SCGP

Leading the Way in ESG and Sustainable Growth

SUSTAINABILITY REPORT 2021

SCG PACKAGING PUBLIC COMPANY LIMITED

Contents

Message from Chief Executive Officer

SCG Packaging Public Company Limited is committed to conducting business with high importance attention to the Environment, Society and Corporate Governance, strictly complying with the ESG principles and integrating the business philosophy under the SCG ESG Pathway scheme. We adhere to creating innovative packaging for consumers and a sustainable World by following circular economy principles for reducing the probable impacts. Regarding the environmental dimension, we focused on Resource Recovery, Innovative Packaging Development that retains the shelf life of vegetables and fruits. In terms of the social dimension, we collaborated with 183 communities to recycle resources and built garbage-free communities through the Ban Pong Model Project at Ban Pong District, Ratchaburi Province. Also, we designed social innovations in collaboration with the SCG Foundation to support society by handing over 100,000 SCGP paper field hospital beds. Ultimately, the governance dimension, we designated the company directors from external experts for ensuring transparency, fairness and accountability. Under our professional management in the past year resulted in being selected in the list of "Thailand Sustainability Investment (THSI)", and achieved a Rising Star Sustainability Excellence from the SET Awards 2021, hosted by the Stock Exchange of Thailand, achieved a Gold Medal in 2021 by the EcoVadis Sustainability Ratings and achieved a Silver Class rating in the category of Containers and Packaging by S&P Global.

To comply with the SCG ESG Pathway scheme, SCGP will expand the implementation of the ESG 4 plus which bases on 1. Aim for Net Zero, 2. Go Green, 3. Lean Inequality and 4. Emphasize Collaboration plus fairness and transparency, corresponding to company's vision as "a leading multinational consumer packaging solutions provider through innovative and sustainable offerings" and to meet the packaging needs and be a part of the daily life of consumers, including continuous business expansion, both Organic Expansion and Merger and Partnership (M&P).

With our commitment, SCGP will operate the business following the SCG ESG Pathway scheme that aims to reduce environmental and social impacts with good corporate governance through collaborations with all parties to meet the needs of stakeholders and remain to create innovations and products that are valuable to consumers and society.

(Mr. Wichan Jitpukdee)
Chief Executive Officer

Our Ambition

SCG conducts business responsibly, with transparency and fairness according to the Corporate Governance principle, Sustainable Development guidelines, strictly follows the SCG's 4 Core values and Safety Culture Care for Self as an important fundamental.

SCG 's 4 Core Values

01 Adherence to Fairness

02 Dedication to Excellence

03 Belief in the value of the Individual

04 Concern for social responsibility.

Care for Self

01 We have commitment in work and life of customer through Innovation for Product and Service Recycling

02 Have knowledge, understanding, and self-improvement.

03 Love our lives, aware of personal value. Love and care for our lives.

04 Care and Concern by ourselves.

05 Proud and recognize individual.

Aiming to achieve the vision,

"A Leading multinational consumer packaging solutions provider through innovative and sustainable offerings."

as the following missions:

Mission

01 Enhancing customers' brand and their supply chain efficiency through innovating renewable products and services.

02 Continuing its expansion both in Thailand and overseas as well as enhancing diversify of its product offerings and customer base to capture macroeconomic growth and the increase in consumer expenditures in the region; and

03 Committing to undertake proactive actions in respect of Sustainable Development and being the pioneer of the Circular Economy in ASEAN.

Business Strategy

1. Quality growth through Merger and Partnership (M&P) and Organic Expansion.
2. Packaging solution, Innovation, and E-Commerce
3. Operational Excellence.
4. ESG and Sustainability.

SCGP Corporate Culture

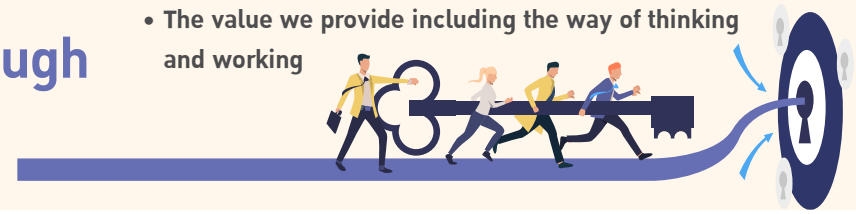
SCGP aims to be the leading thrustworthy multinational company for our customers and the stakeholders by provide professional work reflected from quality products and services, creation of solutions, and innovations for comprehensively meeting customers' needs.

All leaders
are the driver of results
through their acts as exemplars.

All employees
are the driver of results
through their thinking and working.

Wherever we are, we can connect through

- **Our shared goal and direction.**
- **The value we provide including the way of thinking and working**



Focus on building employee's behavior and mindset

01
Customer & Consumer Centricity
- Always start with customers' value
- Integrate customer experience and needs into own plan

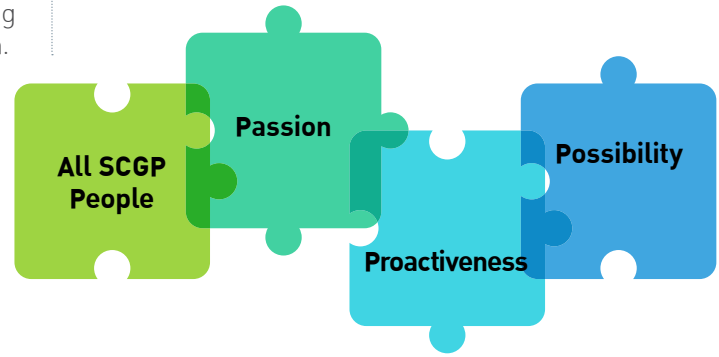
02
Seamless Collaboration; Add on various abilities for the success of the team.
- Start working collaboration with respecting each person in the team, accepting each other's capabilities (Earn respect), and respecting the individual value (Own respect)
- Trust others, add on good ideas, always join in positive activities, build the various abilities of the team for achieving the same goal.
- Always acknowledge, admire and encourage cooperativeness among the people in the team.

03
Proactive and Agile for execution
- Think more steps ahead with various approaches, methods, and formats with immediate response.

04
Inspired to create Innovations and good things for society
- Take ownership of your work.
- Eager to accept new ideas, open your mind for trying a new thing or valuable Innovation for business
- Concern and pass on good things to others and society.

Our corporate culture is our ACT.

The daily activities and the behavior of the executives, the management, and workers in the workplace form the rituals, passed on from generation to generation.



Business Overview

SCGP is a leading comprehensive Packaging Solutions Provider. The Company's operations are organized into two main operating Segments: the Integrated Packaging Business and Fibrous Business.

1. INTEGRATED PACKAGING BUSINESS

Fiber-based Packaging

can be divided into two main categories:

- Corrugated containers-Comprises a wide range of functions, protecting goods from being damaged during transportation, and identifying details of products to communicate with customers for counterfeit protection such as Regular Slotted Containers and Logistics Packaging.
- Retail Display Packaging-the Packaging for product display at the Point-of-Purchase, Shelf-ready, and Retail-Ready features and can be used for product protection during transportation such as Folding Carton Box and Pop-Tech Display, etc.



Packaging Paper

Packaging Paper can be divided into two main categories:

- Packaging paper: Containerboard, Sack Kraft etc.
- Non-Packaging paper includes laminated rolls, reem cut paper, split Paper, slit rolls, high-pressure laminate, honeycomb panels for cooling etc.

Performance and Polymer Packaging (PPP)

PPP products are applicable for goods that Fiber-based packaging offerings may not already appropriately address, as it requires special properties and are divided into 3 main categories:

- Flexible Packaging to extend the product shelf life with low lightweight during transportation such as Flexible Packaging for consumers.
- Rigid Packaging-enhances products displayed on the shelf with easy handling and carry-on, also incorporate circular economy princibles in the product design such as blow molding packaging and extrusion tubes.
- Medical Supplies and Labware-collect or contain laboratory specimens and other supplies used in laboratory processes.



2. FIBROUS BUSINESS

Foodservice Packaging

Foodservice Packaging comprises food packaging under the brand Fest®, Foodservice packaging for Fastfood business, and takeaway.

Pulp and Paper Products

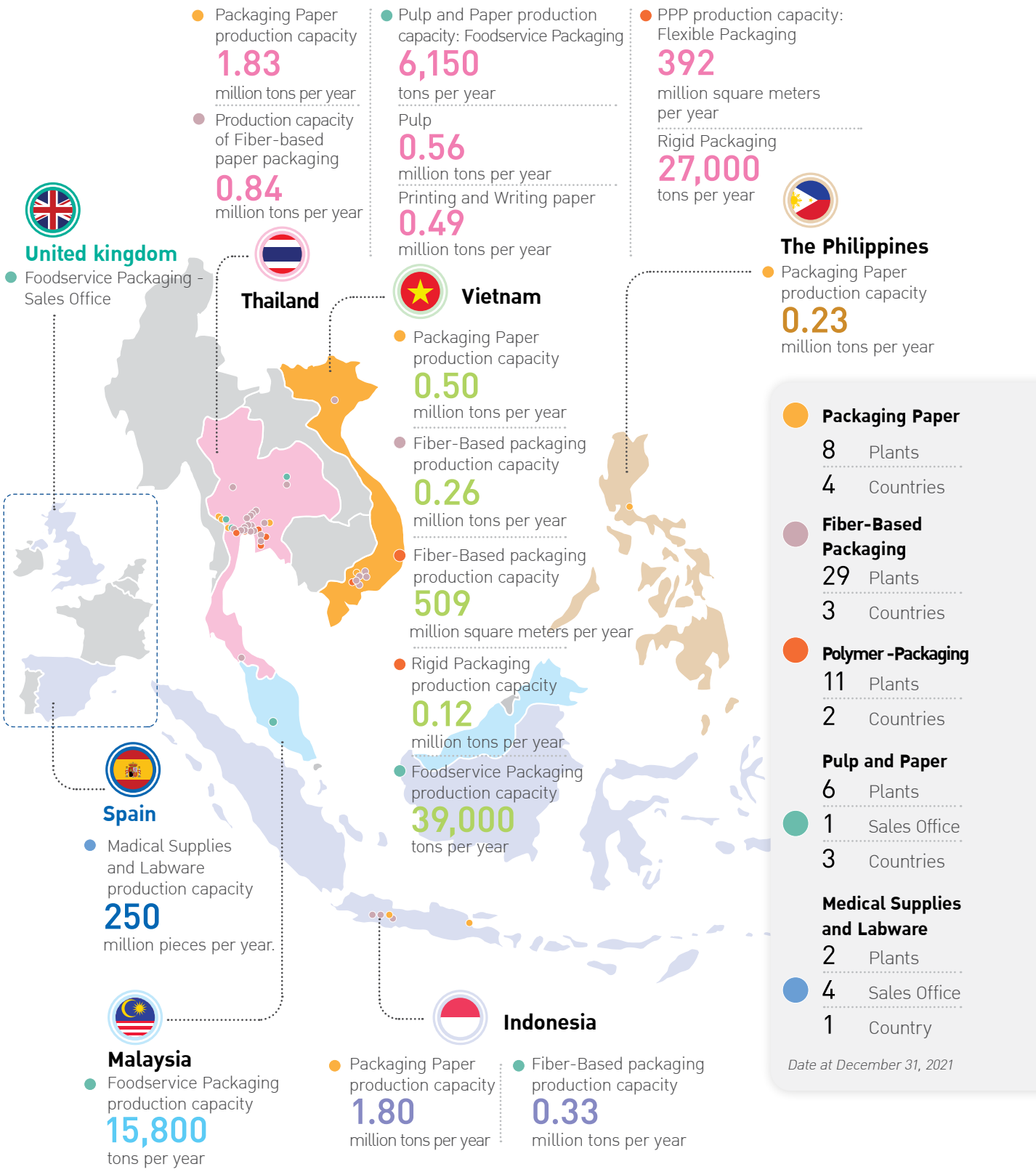
Pulp and Paper Products comprise 3 main categories:

- Printing and Writing Paper
  It is a wide range of printing and writing papers for various business purposes such as graphic and copier papers.
- Pulp
  Eucalyptus Pulp and Dissolving Pulp
- Plantation Products: Wood Chip for biomass

Business Operations according to Geographical Area.

In 2021, SCGP has a total 56 production facilities and 5 sales offices in 7 countries: Thailand, Vietnam, Indonesia, the Philippines, Malaysia, United Kingdom and Spain.

The Company's geographical presence strengthens our vertically integrated business model, as it allows for more intra-group synergy among subsidiaries and increases our capability to gain access to markets with growth potential in ASEAN, Europe, and North America.

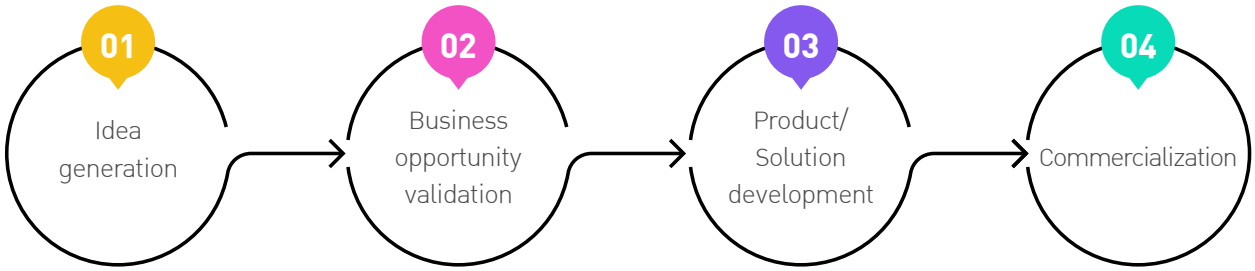


Innovations for Sustainability

SCGP has highly emphasized research and development for innovation to offer comprehensive packaging solutions to customers. Innovation and Product Development Center (IPDC) has collaborations across SCGP's subsidiaries and external networks such as research institutes and leading universities domestically and internationally to create Innovation for sustainability. Therefore, innovation is crucial for business success and growth for the following reasons.

- Increase competitiveness by continually introducing new products or services that meet customers' ever-changing needs. Thus, it can raise sales revenue for the business.
- Increase the efficiency of business operations by managing resources for maximum sustainable benefits.
- Promote the outstanding corporate image well recognized internationally.
- Create a corporate culture of an innovative organization and attract competent employees to be loyal and develop the organization simultaneously.

By following the process of Innovation Management



Research and Development
943 million baht
accounted for
0.8 percent of total revenue.

Researchers	Professional Designers	Sales and Customer Service Team	Skilled Engineers
90+ people	35 people	500+ people	120+ people

The company is committed to creating Innovation by partnering with external organizations, both public, and private sectors, including supporting and driving SCGP to be an innovative organization. The operations in 2021 can be summarized as follows:

Building partnerships with external organizations

1. A network of cooperation in sustainable development through circular economy principles with CEFLEX
2. Recycling technology for Aluminum-containing packaging and film
3. Torrefaction technology for production and alternative fuels. Optimization and application of SO_X absorbent in the plant.
4. Detect Odor Monitoring (DOM)
   - The collaboration goal was a total solution for eliminating air pollution in industrial plants.
   - Enhance the efficiency of odor monitoring system and prepare guidelines and standards of odor monitoring with academic and goverment.

Government-University-Industry Collaboration (GUI) for raising innovation for solving industrial air pollution at the national level

The project development of detect industrial odor pollutant and management system includes an electronic nose and an AI system for processing and displaying simulation results to detect the odor source in real-time. It was the cooperation of the Department of Industrial Works of the Ministry of Industry, Thammasat University (TU), and King Mongkut's Institute of Technology Ladkrabang (KMITL).

Collaboration with King Mongkut's University of Technology North Bangkok

The Project's objective is to develop the positioning system of available finished products in the warehouses and on the shelves of raw material supply stores. The system comprises a camera-equipped transmitter mounted on a forklift with a processor connected to an onboard tablet that can transmit a QR code detection signal attached on top of the raw material shelves to indicate the locations. This system improves the efficiency of feeding raw materials into the production process faster with more accuracy.

THE INSPIRING INNOVATION 2020 - 2021

Innovation Everyone, Everywhere

SCGP emphasizes investing in research and development, including focusing on employee development to adhere to innovation creation under "The Inspiring Innovation Project," where employees have opportunities to exchange ideas, expand, develop potential, and learn. In 2021, 30 selected innovation projects entered the Incubation program for further development to commercialization.

The outstanding innovations from the Inspiring Innovation Project in 2020 were natural pulp packaging coated with easy-peel plastic film for the food delivery customer segment, Modified atmosphere packaging for agricultural produces. In adidition, innovations from startup projects within the organization from Dezpax and LocoPack.

DEZPAX

Loco Pack

Innovation and Sustainability

Regarding research and development to create innovations:- new products, services, or processes that meet customers' needs, SCGP has integrated the concept and concern in social and environmental dimensions into the innovation management process to achieve Sustainability according to ESG concept for creating value to the business.

Innovation for Environment - Fly ash brick, "ProBlock."

Challenge

Fly ash is the residual leftover from the energy production process, classified as industrial waste that affects the environment with high disposal costs. Therefore, SCGP has done many studies and technology development to reuse fly ash appropriately to produce innovative products that are safe for users and the environment.

SCGP continuously developed the fly ash brick "ProBlock" until granted the patent under the design category and has been on Thai Innovation list. ProBlock has been widely used for construction work in household and government sectors.

Results

The use of fly ash from the energy production process following the circular economy principles, including the encouraging of the zero landfill policy, can reduce the disposal cost by approximately 1 million Baht per year with a sales revenue of 1.6 million Baht per year. Moreover, with the continued efforts in research and development, the company can produce quality bricks with a higher load-bearing capacity, increasing the robustness of the building structure with lighter weight while maintaining the strength to meet the convenience of users and construction workers. The development of this innovation enhances SCGP to reduce the disposal cost of 2 million Baht per year and create value from the sale of reinforced bricks by 4.5 million Baht per year.

Innovations to reduce the environmental and health Impacts - Watersoluble bag

Water-soluble bag helps to prevent the infection from contacting the clothing used by patients and healthcare personnel. Because of its pure polyvinyl alcohol (PVOH) composition with watersoluble properties, the watersoluble bags can be completely dissolved in water above 65 ˚C, within only 3 – 15 minutes after the washing process without harming the fabric and the environment according to the standard of infection management.

Results

Innovative water-soluble laundry bag can be soluble and discarded in the water during the clothes-washing process without causing toxic wastewater and affecting aquatic organisms. Thus, they help reduce plastic bag usages that generate more infectious waste. Thus, they help reduce plastic bag usages that generate more infectious waste from burnt the leftover, possibly causing air pollution.

In addition, there were some products with environmentally friendly packaging designs granted awards in line with the circular economy principles, for example;

BRING BOX BACK

The waste paper drop point helps bring back the receiving box and all waste paper to the recycling process for producing the new paper, which will be delivered to customers for use again. It can increase the better efficiency of the waste paper recycling to be recycled in the system.

SCGP New Year Hamper

The paper baskets are 100% recyclable and lightweight, an alternative designed to replace conventional baskets. Besides, the used packages can transform into a storage device in the office as a CompactWork Station to encourage the current work from home trend.

OptiBreath®: Fresh Coconut Life Extension Bag

The thai fragrant coconut bag helps extend the coconut's freshness for a longer time with the film technology for controlling the passage of gas and water vapor, making coconut breath and dehydrate at the right amount to increase the shelf life.

Total Packaging Solutions

SCGP is committed to developing solutions by competent designers, researchers, and developers to offer products and services to all customer groups with cost-effective use of resources consumption and environmentally friendly production processes.

Circular Economy Solutions

Emphasize product and service design following the circular economy principles by making the best use of resources from the design process to minimize the resources while ensuring that the product remains strong and durable. Also, offer the collecting service of used goods returned to the recycling process.

- Green Carton – the lightweigh of Green Carton packaging with technology to decrease paper consumption in the manufacturing process while maintaining and strengthening the protection of products.
  - Reduce paper consumption by at least 25 grams per square meter.
  - Require fewer raw materials and less energy to produce.
  - Save the environment from deforestation.
  - Maintain and strengthen the stacking and protection properties of the products.
- FybroZeal™ The paper packaging bag is made from natural fiber with a special coating. It is recyclable and biodegradable, best serves products that do not spoil quickly and do not need moisture or oxygen protection.
- Green Offset Paper 100% Ecofiber It is uncoated paper for offset printing made from high-quality 100% EcoFiber*, with the same functional properties as paper made from virgin pulp.
- Post-Consumer Recycled Resin (PCR) It is the use of plastic resins after consumers use, as supplementary raw material in the production of polymer packaging. It helps reduce the use of new plastic pellets.

- Foodservice Packaging under brand FEST® made from clean, safe paper, with direct food contact property, under International Production Process Standards and GMP-EU Standard Certification. It responds to the increasing packaging consumption according to the continual growth of the food business and delivery service.

* EcoFiber is an environmentally friendly pulp that uses reused materials to be selected, managed, and controlled production efficiently to achieve high-quality pulp.

- SCGP Recycle Waste management solutions enhance knowledge and create consumer- experiences according to the circular economy principles. They know to separate waste materials at sources, such as paper, plastic, and aluminum, to be recycled into new products, and to use resources wisely, with the cooperation of partners to expand their reach to increase recycled materials back to the production process accurately and efficiently.

Small Lot Solutions

Design and manufacturing services for the small lots and on-demand packaging to fulfill SMEs' needs.

Digital Printing solutions are especially for fast-moving businesses because of digital printing qualities with high-resolution and vibrant colors with direct printing of digital-based files without preparing a traditional mold. Thus, it can save production time and restriction of minimum order until becoming a competitive advantage.

Convenience Solutions

Packaging design services development to maximize customers' and users' conveniences responding to their increasingly fast-paced lifestyles and facilitate them to meet the convenience at every step of shopping and engagement of brands and products and services.

- EzySteam™ A flexible packaging product with a relief mechanism of steam pressure inside the bag enables consumers to heat packaged food in the microwave oven without first cutting, puncturing, or opening the packaging. It is suitable for foods that need to be heated or reheated in the microwave, such as steamed stuff buns, Chinese dumplings, rice dumplings, and desserts.

- OptiBreath® A flexible packaging bag keeps the freshness of fruits and vegetables and extends their shelf life longer than ordinary bags.

Smart and Functional Solutions

It is the Integration of designing, printing, and manufacturing technologies to deliver unique packaging benefits beyond carrying or protecting the contents inside the package.

- OdorLock™ is a food odor-locking packaging made of a particular type of plastic that helps resist the penetration of undesirable odors of goods out of the package. Thus, the smell goods can be transported with other goods without odor interference.

Marketing Event Solutions

SCGP offers comprehensive solutions from design, printing, manufacturing, installation, and complete recycling of used items. All exhibition booths are paper to be assembled, disassembled, dismantled, and easily recycled.

- Booth & Exhibition
  The service includes manufacturing and installing booths for exhibitions, events, or presentations, including design services for specific customer needs.

- Counter Display
  A small shelf on a counter can be placed immediately to create a difference by making the product's display stand out, look beautiful, and more attractive.
- Merchandising Display
  A decorative point-of-sale packaging made from a corrugated board with a unique design suitable for products or any particular occasion can promote the point of sale with a beautiful and eye-catching.
- Dump Bin
  The eye-catching display packaging is designed in a dump bin that puts the products shown together and offers visibility rather than placing them on a general shelf.

- Doozy Lifestyle
  Products that reflect the uniqueness of customers by combining beautiful designs and perfect functionality using high-performance flexible paper as the primary material.

- Carbon Black Because of the excellent particles structure of the carbon black regarding electrical conductivity, it is used in the printing and coating ink industry to produce pigments for printing ink and coatings as an anti-static material.

E-Commerce Solutions

Total Packaging Solutions offer e-commerce services, from designing to manufacturing, for e-commerce businesses, couriers, SME online retailers, and other online retailers by selling standard post boxes and other products required for transportation

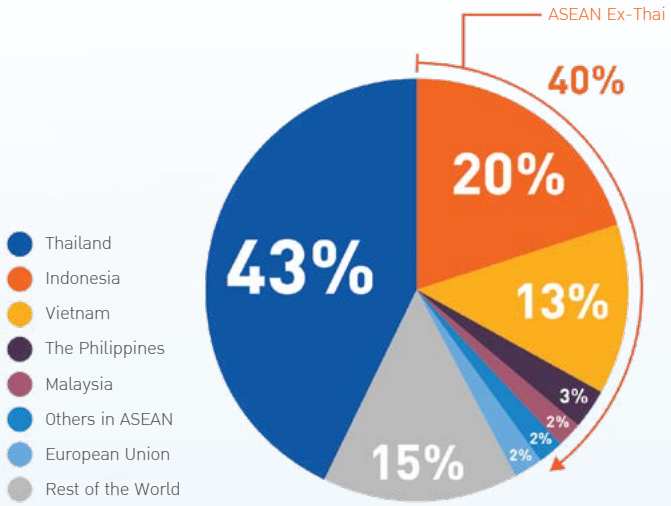
- Dezpax offers a one-stop food packaging service
- LocoPack offers customized packaging design with bright colors at desirable quantity fit for usage.
- Doozy Shop a complete packaging online market place

ESG Highlight Performance Year 2021

Sales Revenue

Baht billion **124**

Consolidated sales by end destinations



EBITDA
Baht billion
21

Production Facilities
56 sites

5 Sales Office

No.of Employees (Thai / Aboard)
8,845/14,496 employees

Green Procurement Purchased
Baht million
5,421

11 % of total procurement purchased

16 products

Supplier in procurement spend passed Environmental, Social, and Governance (ESG) risk assessment

100 % of supplier with procurement spending over million Baht

Environment-related investments and expenses
Baht million
1,251

Research Development and Innovation Investment
Baht million
958

Environmentally friendly Products and Services under "SCG Green Choice"
44 products

Waste from production process in Thailand to landfill

0 Ton

Reduction of waste disposal by incineration without energy recovery in Thailand

99.99 % compared with the base year of 2014

GHG Emission Reduction

0.1 million tons carbon dioxide equivalent,

2.4 % compared with the base year of 2020 both Thailand and abroad

Energy Saved

4.0 petajoules

5.8 % compared with Business As Usual [BAU] at the base year of 2007

Proportion of Renewable Energy

20.7 %

Water Withdrawal Reduction

28.1 million cubic meters

26.3 % compared with Business As Usual [BAU] at the base year of 2014

Proportion of Recycled Water

14.2 %

Lost Time Injury Frequency Rate of Employees and Contractors

0.608 cases per 1,000,000 Hours Worked

Number of Fatalities as a result of Work-Related injury of Employees and Contractors

2 cases

Occupational Illness and Disease Frequency Rate of Employees

0 case per 1,000,000 Hours Worked

Human Rights violations

0 case

Employee passed Ethics e-Testing a test on Ethics and Human Rights

100 %

NCS Plantation

55,315 trees

Scholarship Program

1,140 scholarships in 62 schools

Check Dams Program

570 projects

Water Supply for Agriculture Project

3,807,853 cubic meters

Support Community Products

Baht 1,817,694

Career Development Center in Communities

28 centers

Social Enterprise Development – income from handicraft product from Industrial waste

Baht 580,000

Zero Waste Communities Development "Like (No) Garbage"

30 communities

Corporate Volunteers

429 people

Pride of SCGP in 2021

SCG Packaging Public Company Limited was selected to be in the list of "Thailand Sustainability Investment (THSI)" for the year 2021 and received the two SET awards;

Business Excellence
in the category of Best Deal of the Year Award for outstanding and excellent initial public offering (IPO) and

Sustainability Excellence
in the category of Rising Star Sustainability Award for conducting business following Sustainable Development guidelines from the Stock Exchange of Thailand

SCG Packaging Public Company Limited achieved a Gold medal in 2021 by the Ecovadis Sustainability Ratings

Sustainability Award
Silver Class 2022
S&P Global

SCG Packaging Public Company Limited achieved a Silver Class rating in the category of Containers and Packaging by s&P Global

SCG Packaging Public Company Limited received a Corporate Sustainability Assessment (CSA) of S&P Global in 2021 at the Silver Class level in the Containers and Packaging industry category

National Award

ThaiStar Packaging Awards 2021 from the Department of Industrial Promotion Ministry of Industry, 8 awards

- Consumer Package category, 6 prizes
- Eco Package category, 2 prizes

SCG Packaging Public Co.Ltd. and Thai Containers Group Co. Ltd. received 2 Design Excellence Awards (DEmark) 2021 in packaging design category from **Wealthy Orange Box and Coco Bucket**
1 Award in industrial and digital products from the **Cure AIR SURE** Organized by the Department of International Trade Promotion. Ministry of Commerce

SCG Packaging Public Company Limited received the **G-mark Award 2021** in the category of Accessories and Personal items from CUre AIR SURE organized by the Japan Institute of Design Promotion.

Thai Container Group Co., Ltd., and Tawana Packaging Co., Ltd. received the **Best Material Innovation Awards 2021** from the World Corrugated Awards 2021.

SCG Packaging Public Company Limited and Siam Kraft Industry Company Limited

- **received the first prize of ASEAN Energy Awards 2021** in ASEAN Coal Awards: Transportation, Management and Coal Storage,
- **1st runner-up award** in the category of Best Practice in Clean Coal Use and Technology from The ASEAN Center for Energy (ACE)

SCGP's subsidiaries received the Outstanding Workplace Model Award for Safety Model Occupational Health and Working Environment 2021 from the Ministry of Labor.

Platinum Award Plaque
- Thai Container Group Co., Ltd. (Pathum Thani)

Diamond Award Plaque
- Thai Container Rayong Co., Ltd.

Platinum Awards
- Thai Container Group Co., Ltd. (Navanakorn)
- Thai Container Group Co., Ltd. (Samut Prakan)
- Thai Container Group Co., Ltd. (Songkhla)
- Prepack Thailand Co., Ltd.

Diamond Award
- Thai Container Khon Kaen Company Limited
- Tawanna Packaging Co., Ltd.
- Thai Cane Paper Public Company Limited (Kanchanaburi)

Gold Medal Award
- Thai Container Group Co., Ltd. (Kamphaeng Phet)
- Thai Container Group Co., Ltd. (Prachinburi)
- Siam Kraft Industry Co., Ltd. (Wang Sala)
- Thai Cane Paper Public Company Limited (Prachinburi)

SCGP's subsidiaries received an award for Outstanding Establishment in Labor Relations and Welfare Year 2021 from the Ministry of Labor.

Highest Honor Award
- Thai Container Group Co., Ltd. (Ratchaburi)
- Thai Container Group Co., Ltd. (Pathum Thani)
- Thai Cane Paper Public Company Limited. (Kanchanaburi)
- Siam Forestry Company Limited

Honorary Award
- Thai Container Group Co., Ltd. (Navanakorn)

National Award
- Thai Container Group Co., Ltd. (Samut Prakan)
- Tawanna Packaging Co., Ltd.
- Siam Kraft Industry Co., Ltd.

- Siam Kraft Industry Co., Ltd. (Wang Sala), Thai Cane Paper Public Company Limited, (Kanchanaburi) and (Prachinburi) and Thai Paper Co., Ltd. (Wang Sala) **received Green Industry Certificate (Green Industry) Level 5** from the Ministry of Industry
- Vina Kraft Paper Co., Ltd. **was selected as one of the top five organizations with gender equality management** and **one of the top 100 organizations** in Vietnam with **sustainability management** from the Vietnam Chamber of Commerce and Industry (VCCI)
- PT Fajar Surya Wisesa Tbk received **Green Industry Award 2021** from the Ministry of Industry of the Republic of Indonesia.
- Duy Tan Plastics Manufacturing Corporation Joint Stock Company was selected as the **Top 100 Best Places to Work in Vietnam** organized by VnEconomy, and Vietnam Economic Times.
- Duy Tan Plastics Manufacturing Corporation Joint Stock Company received the **Ho Chi Minh City Golden Brand Award** in building and developing excellent products and services brands in the Industry Category from the Ho Chi Minh City People's Committee.

Sustainability
in Focus

Achieving the business goals amid COVID 19

crisis enhances true organizational value.

It had been more than two years since the coronavirus outbreak - COVID-19 that caused damages to all sectors of Thailand, the region, and worldwide. Even amid the crisis, SCGP kept moving toward the most crucial goal to be "A leading multinational consumer packaging solutions provider through innovative and sustainable offenings" With a solid determination, SCGP led employees, customers, and business partners to pass through this crisis together

SCGP regularly assesses and monitors business risks, ready to prepare preventive measures to accommodate various situations that may affect the business. Following SDG No. 3, Health and Wellbeing of Sustainable Development Framework, the standards of the World Health Organization (WHO), the United Nations Office for Disaster Risk Reduction (UNDRR) Guidelines, and the Sendai Framework 2015-2030 to create a balance of the three dimensions; Economy, Environment, and Society according to Corporate Governance (ESG) guidelines by operating under the 4C principles comprising

CARE

Care for the excellent health and safety of our employees, customers, business partners, society, and communities that live together, including building trust in safe products and services.

CONTROL

Determine clear measures and guidelines formulated to reduce risks and strictly follow government measures.

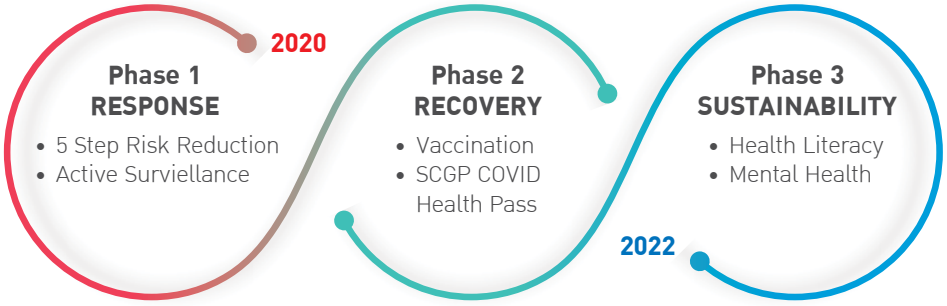
CONTINGENCY

Assess the situation in advance, prepare to prevent an outbreak in the workplace or expected incidents to happen, and manage the business to be continued.

COMMUNICATION

Communicate up-to-date information for understanding without panic and raising awareness of self and family protection.

The three phases of Risk Management during the COVID-19 pandemic



The first phase: Response Phase

After the World Health Organization (WHO) warning, SCGP immediately announced the appointment of a Working Group on the COVID-19 Emergency Situation, consisting of representatives, executives, and all involved employees both domestically and internationally. They had attentively continual meetings every week for defining measures and guidelines to reduce the likelihood of death and the number of people affected in the factory, community, or impact on the environment and society that could lead to business interruption for building confidence to customers and stakeholders. " All affected person must be treated immediately without discrimination of gender, race, religion, and creating social inequality," strictly complying with WHO guidelines and the Disease Control Measures of the Ministry of Public Health.

Elimination of the likelihood of infection focused on the DMHTTA system that eliminated the chance of infection. The Company implemented the measures of risk closure such as closing the risky places, refraining or prohibiting dangerous activities under the Hierarchy of Controls During COVID - 19, or checking the ventilation system with HEPA filters- ASHRAE standards.

Detect and Control focused on the separation of Risk groups or suspects with Self-Declaration before entering the area and monitoring the local epidemic (Sentinel Surveillance) to assess and detect the linkers, then continuously test for infection with RT-PCR and ATK systems.

Prevention focused on working through digital contactless through Gate control with face recognition technology at the entry and exit points, with Mask detection, Screening for vaccination through Health Pass, and adjusting work processes such as the Drive-thru system

Mitigation focused on reducing the impact by arranging the emergency drills from the initial level to the critical (Full-scale Exercise) to test the work process crisis communication under the business continuity management plan and applied the After-Action-Review implementations to develop for more efficiency.

There were Emergency Response with five levels of severity as follows:

S1 Screening

S2 Zoning

S3 Bubble and Seal

S4 Factory Isolation

S5 Shutdown Plant

The severity of outbreak responses was set in order under the direction of the Local Management Team (LMT) to manage the balance of care for employees and the business to respond to customers continuously under the supervision of government officials complying with the laws and the highest security.

The second phase: Recovery Phase

Step 1 Control Measure:
Test, Treat, Track, Take care.

Step 2 Active Finding:
Searched for an infected person with speed accuracy and respect for human rights aiming to control the outbreak so that it does not have a broad impact

Step 3 Vaccination:
Encouraged everyone to get vaccinated for the safety of life and property of oneself, family, a community without forcing and social inequality.

The third phase: Sustainability Phase

It was the preparatory phase for the year 2022 to overcome this COVID- 19 crisis by building pillars for the foundation of health security to be "a Health Literacy Organization" moving towards business stability and sustainability. Such as providing health education according to Thai and international standards, with the test score not below 80 percent as the base year in 2021.

As a result of this COVID-19 crisis, SCGP did not shut down the business. The infection testing results of employees across the country were lower than the standards set by the Ministry of Public Health (status as of November 25, 2021) and continuously produced products delivered to the customers plus the safe use for them.

Other documents can be read at this link
https://www.scg.com/ebook-control-and-living/

SCAN ME

Sustainability Phase

Smart living control with COVID-19

For Sustainable Development

Build Trust

1. Thai Stop COVID & COVID free setting non affect to community & environment

Health Security

2. Full Vaccinated Active
3. Zero Cluster 2/3 < 5% or 10 people or longer than 14 days
4. Zero Mortality

Business Continuity

5. Stakeholder / Supply Chain / Delivered product to customer SLA (BCM)

Social & Culture

6. Promote Health Literacy (HL)

Smart Reopening

1. COVID Free setting
   - Screening
   - Self-Declare
2. Hybrid workplace
3. Compliance Local regulation

Smart Control

1. Active finding
2. Sentinel Surveillance
3. Bubble & Seal
4. Health Pass
5. Gate control
6. Drive-thru
7. Online Self Declaration

Smart Health Preparedness

1. Herd Immunity
2. Upgrade Medical center
3. Develop Medical team competency
4. Infections waste management

Smart Information & Communication

1. Internal communication
2. Health survey
3. Early Warning System (EWS)

Smart Mechanism & Participation

1. Green response
2. Governance & Community

Circular Economy

Target

The Volume of Recyclable, Reusable, or Compostable packaging

100 % from the volume of total packaging by **2025**

Performance 2021

The volume of Recyclable, Reusable, or Compostable packaging

99.7 % from the volume of total packaging

SCGP has applied the Circular Economy principles into all business operations for ensuring sustainable consumption and production pattern towards the SD Goal no.12 of the United Nations. SCGP has shared the world goal with people worldwide because we are racing against time to solve environmental problems due to climate change and resource shortage. Thus, It is crucial to manage limited resources efficiently, whether water, energy, or raw materials, and maximize the resource value starting from planning, designing, selecting materials, using environmentally friendly production, managing waste, and recycling them as new raw materials. Effectively implementing the Circular Economy requires cooperation with organizations, associations, and business partners throughout the supply chain and raising consumer awareness of safety and good quality of life. These implications are to preserve nature and a good environment based on Circular Economy principles for sustainable resource use in the future.

Strategy

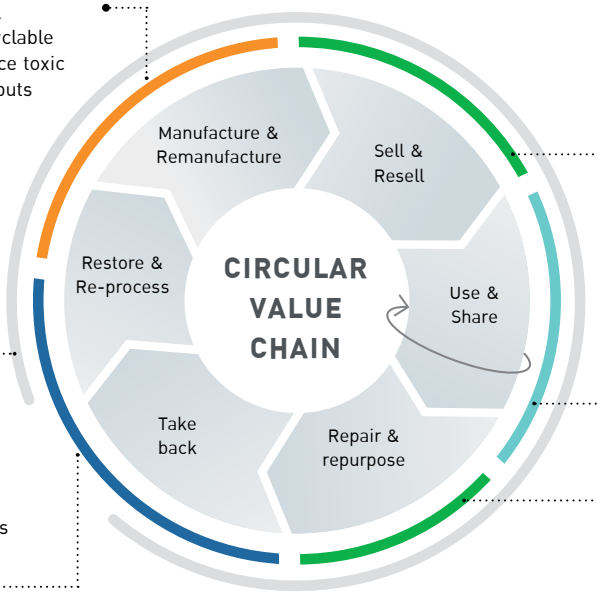
1. Incorporate the Circular Economy principles in developing products and services to generate and retain their maximum material core values.
2. Promote the use of bio-based or renewable materials with recyclability with certification
3. Research and develop innovations to extend the life of products and components.
4. Use the Sharing Platform to make the most of our resources.
5. Collaborate with customers and business partners throughout the value chain to efficiently manage the resources.
6. Collect and manage waste for reuse and recycling.
7. Transform the business model according to the concept of making Products as a Service.
8. Become a member of national and international associations to drive implementations towards the mutual goal following the Circular Economy principles.

Circular Value chain

Circular supplies
Use renewable energy. Bio-based or fully recyclable input material to replace toxic and single-lifecycle inputs

Product as a service
Offer product access and retain ownership to internalize benefits of circular resource productivity

Resource recovery
Recover materials, resources and energy from disposed products or by-products



Product life-extension
Extend working lifecycle of products and components by reselling, repairing, remanufacturing and upgrading

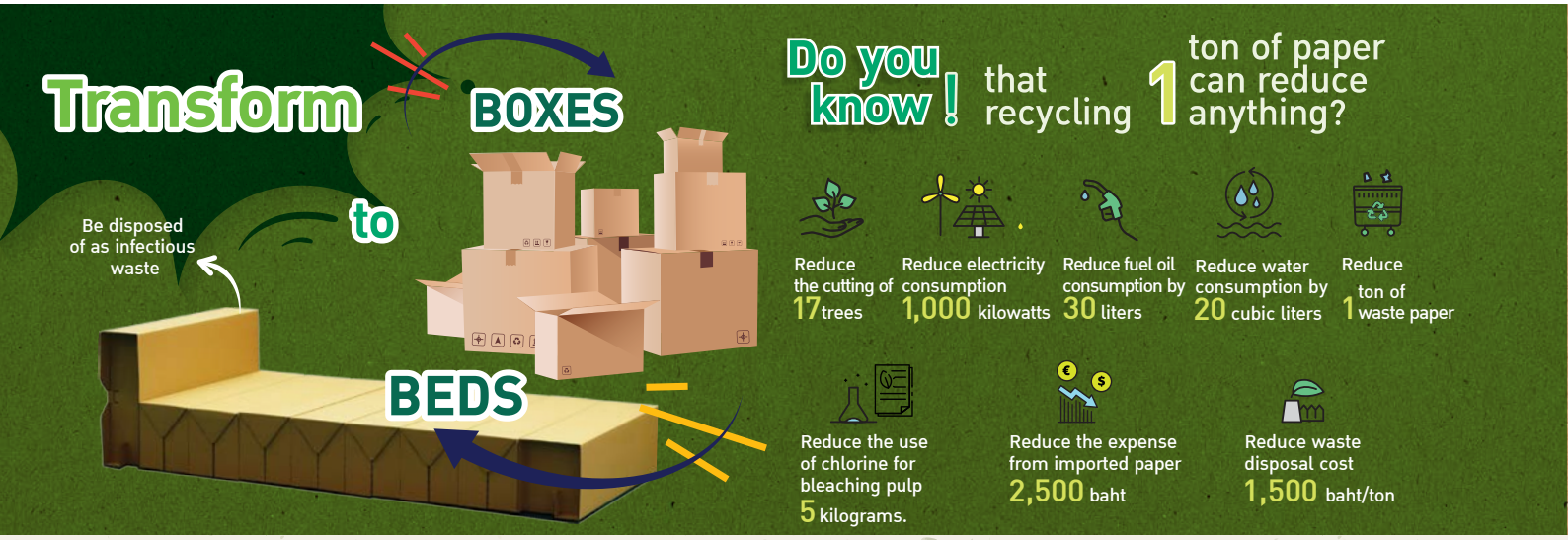
Sharing platform
Enable increased utilization rate of products by making possible shared use/ access/ownership

Ref. CEO GUIDE TO THE CIRCULAR ECONOMY, WBCSD

Resource Recovery SCGP Joined forces with business partners and the general public.

The project "United to Fight Against COVID: Transform Used Paper into SCGP Paper Field Hospital Bed."

Due to the COVID-19 pandemic crisis, the number of infected patients increased daily; the Ministry of Health Thailand needed to organize field hospitals for patients in various areas throughout Thailand. SCG created a circular economy innovation; field beds to help establish field hospitals to accommodate patients promptly. "SCGP Paper Field Bed" is made solely of 100% recycled paper; each bed weighs only 14 kg. It is convenient for transportation and assembly in just 8 minutes without glue." The Project "United to Fight Against COVID: Transform Used Paper into SCGP Paper Field Hospital Bed" provided opportunities for organizations and the general public to take part in helping society. Also, the Project instilled the consciousness of saving the world, protecting the environment by providing knowledge and correct understanding of the use and handling of waste paper materials to be recycled and reused as valuable material resources. In conclusion, the 150 organizations participated in the Project, including over 1,800 drop-points in public, with the collection of 450 tons of waste paper delivered by general people during the project implementation period (28 April - May 2021).



Resource Recovery

Plastic Recycling Plant Project at Fajar Surya Wisesa Paper, Indonesia

According to SCGP's policy of encouraging all business operations to follow the Circular Economy principles, Fajar Surya Wisesa Paper Plant in Indonesia implemented the "Project of transforming plastic waste from the paper production process into a new product" Instead of being burned as fuel in an Incinerator or at a boiler. This Project has enabled the reduction of ash sent to landfills, the disposal costs, and alleviated greenhouse gases emissions to the atmosphere. Thanks to FAJAR's expertise and potential for developing and manufacturing, the Company successfully installed the Plastic Recycling Plant, the first machine of SCGP for handling plastic waste with 250 tons/day capacity.

With additional economic benefits of creating new markets as raw materials for other products,

customers and consumers can minimize costs by using them as raw materials in production processes while enhancing a good image of the environmental conservator.

Circular Supplies

Maximize Resources Recovery and Product lifetime Extension

"Project B. PiPPER Bottles to be Recycled" was a collaborative project between PiPPER Co.Ltd. and Conimex Co.Ltd. - the plastic container producer in Thailand to encourage consumers to return the Piper bottles recycled after use as raw material (Post–Consumer Recycled Resin (PCR)) in the Conimex production process. The Project's main objective was to conserve the environment and reduce the amount of single-use plastic waste by recycling the plastic pellets obtained from the B.PiPPER Bottle Project to from the new standard PiPPER Packaging. The project participant who sent 5 bottles then received a cloth bag from PiPPER as a reward. This Project is an excellent example of cooperation between producers and consumers to create awareness of the value of leftovers by turning Waste to Value.

Steps of return the PiPPER Bottles

1. Completely peel off the sticker on the side of the PiPPER bottle;

2. Thoroughly wash the stains inside and collect the bottles in the bag;

3. Clearly specify the sender's name, address, and telephone number.

4. Mail to Conimex Co.Ltd., or drop the bottles at the drop point @UM Tower

The Step of Packaging - Recycling Process

Service Solutions

SCGP Recycle is the Service Solutions provided to SCGP partners as a communication channel for accessing the services and information on the proper sorting of waste materials for complete recycling according to the Circular Economy principles. The wastes include paper waste, plastic waste, and other waste materials that can create value if properly managed. SCGP Recycle also provides advice, guidance for development, and improvement to understand handling waste materials correctly and efficiently.

SCGP Recycle has coordinated and cooperated with partners to develop the Ecosystem by providing more servicing channels to consumers, the "Drop Points" in various areas that increase consumers' convenience to bring waste materials back for recycling through the Circular Campaign - exchanging waste materials with new products such as A4 copy paper or paper furniture sets given to project participants to pass on to society or communities. In 2021 SCGP Recycle cooperated with governmental and business partners by joining the following activities -The reBOX postal Project of the Thai Post Co., Ltd. for the second time to transform unused boxes/sachets into medical supplies masks, setting up drop points at the 5 PT gas stations to receive waste paper and recycled water bottles, handling waste materials after the events at the BITEC Exhibition and Convention Center, joining Paper recycling Project of Phayathai Hospital Group, Paper Merci Project, Yak, Lak, Rak" of RS Public Company Limited, Recycled Waste Room Project of CW Tower, and Industrial Carton Recycling Project of Delta Electronics (Thailand) Public Company Limited, etc. In 2021, waste paper materials totaling 561 tons were brought back to the recycling process. And In 2022, SCGP Recycle continues the ongoing projects with partners. In addition, SCGP Recycle also provides recycling waste material (paper and plastic) handling as a storage and delivery service provider by collecting and transporting waste material directly to the recycling plant for business partners such as CP ALL, Lotus, Home Pro, Central JD, Tops, Thai Watsadu, Villa Market, Lazada and Shopee, etc.

Besides, the SCGP Recycle project helped to continue the ambition of green consumers; it could promote the Corporate images of Sustainable Development. The Project could be used as a reference in various standard reports to reflect the intention to improve the residents, employees, and communities quality of life through cooperation to create sustainability for society.

The Expansion of the Banpong Community Model Project A District of Like (No Garbage) "Ban Pong Model"

"Ban Pong Model" is a collaborative project of the three sectors, the government, the public, and the private; SCGP, with the first packaging paper factory in Thailand located in Ban Pong District. Rajaburi Province. The factory has consistently supported the Corporate Social Responsibility projects for the factory's communities, including waste management at Ban Rang Plub Community, successfully winning a national award from entering the Zero Waste Community Project contest of the Department of Environmental Quality Promotion in 2019. The highlight of this project is waste management with efficient use of resources and the potential to transfer knowledge to other communities in Ban Pong District aligned with the Ban Pong District's plan of driving waste management throughout the district. SCGP has joined forces with Ban Pong District and the 17 local administrative organizations to expand the success of the waste management project to other communities within Ban Pong District. By specifying "The project of driving the Municipal Waste Management Community Model in Ban Pong District." to promote waste management knowledge and to study the practical examples from the Ban Rang Plub Community Model covering all 183 communities in the Bang Pong District within the year 2023. In 2021 though, amid the COVID -19 pandemic, SCGP still successfully developed "the Project A District of Like (No Garbage) "Ban Pong Model" with an additional 17 communities of a total 58 communities since the starting project. SCGP also leveraged the model to other provinces where the SCGP's factories operate in Prachinburi, Kanchanaburi, and Khon Kaen Provinces, totaling 13 communities in 2021.

DuyTan-Rigid Plastics Manufacturing Corporation in Vietnam (Packaging Recycling Organisation Vietnam: PRO VIETNAM)

PRO VIETNAM is a coalition of leading foreign and Vietnamese companies having high prestige from consumer goods, packaging, retail, and import industries totaling 19 members with common responsibilities; – to make Vietnam Green, Clean, and Beautiful by promoting a Circular Economy model through more accessible and sustainable packaging collection and recycling process in the scope of law enforcement on Extended Producer Responsibility.

PRO VIETNAM was established in Ho Chi Minh City in 2019. Duy Tan joined PRO VIETNAM in 2020 with the shared ambition that "by 2030 all packaging materials that put into the market by PRO VIETNAM members shall be collected for recycling."

In 2021, Duy Tan arranged a Recycling Plastic factory Visit for PRO VIETNAM members, Including Mr. Jahanzeb Khan, PRO VIETNAM Vice Chairman and CEO - Suntory Pepsico, and sponsored gifts to PRO VIETNAM for supporting the prevention of Covid-19 disease for workers in difficulties during Tet festival.

Collaborative Research Project on Environmental labeling System for Circular Economy products of University, Public and Private Sectors

The Center of Expertise in Environmentally friendly Business strategy (V Green) of the Faculty of Environment Kasetsart University was the research project leader, in collaboration with the Thai Environment Institute, the Ministry of Industry, the Federation of Thai Industries together with the Public-Private Partnership for Sustainable Plastics and Waste Management (PPP Plastic). They joined to conduct the research project entitled "Development of an Environmental Labeling System for Circular Economy Products, to promote the circularity of materials for driving Thailand's Circular Economy Policy. This Project is funded by the Capital Management and Capital Management Unit to enhance Thailand's Competitiveness in the Circular Economy (DEPC), and the duration is between June 2021 and May 2022.

There was an evaluation of pilot products in 5 industries, namely Agri-Food, Building Material, Plastic, Packaging, Fashion and Lifestyle, for receiving an Environmental Label for Circular Economy Products as qualified companies.

SCGP submitted 5 products to participate in the labeling system project as the followings:

1. **Paper products Type**
   - 1.1 Copy Paper (IDEA Green)
2. **Packaging Type**
   - 2.1 Consumer Paper Bag
   - 2.2 Food Container Made from Natural Pulp (Fest Bio)
   - 2.3 Polymer Packaging – (Mono Material: R1)
   - 2.4 Plastic Bottle from Recycled Plastic (PCR Rigid Packaging)

CE Standard Certification ISCC PLUS

Visy Packaging Thailand - SCGP was granted the ISCC PLUS certification by International Sustainability and Carbon Certification (ISCC), applicable worldwide to certify organizations with superior carbon and sustainability management throughout the supply chain. Visy Packaging got certified as Converter: manufacturing of rigid plastic food packaging operating under the Circular Economy principles, using recycled plastic pellets as raw material with a clear and transparent system to control every step of production covering processes from acquisition, accepting, storing of raw materials, quantity control, to sales and delivery. The certification ensures that the Company's products contain recycled raw materials, meet high production standards and traceability, control mass balance, achieve high quality that meets customers' expectations for food packaging. And respond to a group of customers keen to adopt the Circular Economy principles for their supply chain.

Strong ESG value proposition
creates an opportunity for business growth

Sustainability Linked Loan (SLL)

Aim to facilitate and support environmentally and socially sustainable economic activity and growth.

This project is a successful case that enhances the firm determination of SCGP and its subsidiaries, including associates based locally and internationally, to pursue doing the business operation within the ESG framework in line with Circular Economy principles toward sustainable development. According to the outstanding performance, SCGP has built confidence in all stakeholders to strengthen the business to grow continuously and sustainably.

In 2021, for the first time, SCGP signed credit support linked to long-term sustainability operations (Sustainability Linked Loan: SLL) totaling 5,000 million baht for four years from the Bank of Ayudhya, appointed as the Sustainability Coordinator and Sole Lender. The interest rate structure for the four-year- loan is linked to SCGP's Sustainability Performance Targets – SPTs). It can be adjusted lower down annually if SCGP achieves the three specified set targets. The three SPTs are: reducing greenhouse gas emissions, reducing water withdrawal and increasing the sales portion of eco-friendly goods and services with SCG Green Choice Label, Thailand's first self-declared eco brand.

SCGP is the first packaging company in the ASEAN region to receive support for this SLL because of its financial stability, ability to manage the business strictly following the principles of good governance continuously, and as the leading regional packaging company offering total products and services solutions with sustainable business practice.

SCGP's strong ESG value proposition has created an opportunity for business growth and confidence in responsible investing, building economic prosperity for Thailand, and moving further to the region and the rest of the world.

Pride
in 2021

Sustainability Approaches

SCGP, along with all subsidiaries and associates domestic and overseas, has the policy to operate and follow Sustainability principles by assessing risks and opportunities for improvements at all organizational levels to balance economic, social, and environmental dimensions

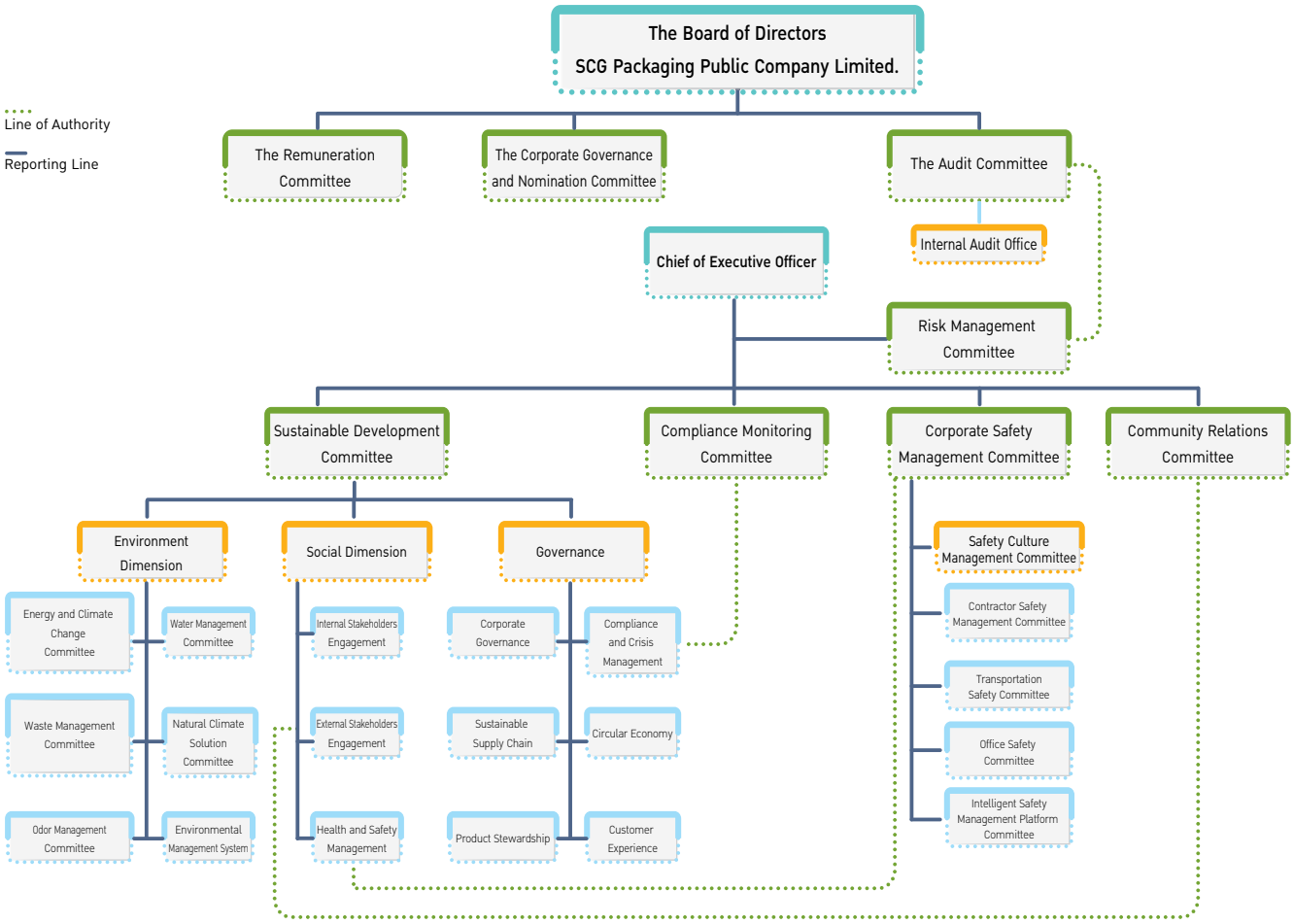
Economic
Create value not exclusively for maximizing profit but also respond to the needs and expectations of all stakeholders. Increase the organizational effectiveness to keep up with the changing situations and support all sectors to operate their businesses regarding sustainability

Environment
Commit to preserving the environment and conserving natural resources. Reduce resource and energy consumption and use them wisely. Reduce the pollution from the manufacturing processes, and maintain a sustainable ecosystem balance.

Society
Conduct business with ethics and concern for social responsibility. Treat employees with fairness and equality. Committed to the highest level of safety at work and contribute to improving the better quality of life where SCGP operates.

Sustainability Structure

SCGP considers risks and opportunities, needs, and expectations of all stakeholders to obtain data for formulating sustainable business strategies, with a view to the balance of the three dimensions; economic, social, and environment. The Company focuses on developing solutions to meet customers diverse and different needs under the Circular Economy principles and sustainably preserve the environment and ecosystem, promote maximum safety in the workplace, contribute to improving the quality of life and community development, and society where SCGP operates.



Responsibilities of Sustainable Development Committee - Environment, Social and Good Governance: ESG as follows:

1. Establish policies and governance practices in business operation following the UN Sustainable Development Goals (UN-SDGs) guidelines. Including environmental, social, and corporate governance (ESG) guidelines that align with key stakeholders' expectations for being a good role model for Sustainable Development both regionally and internationally.
2. Promote, communicate and create ESG awareness to all employees and business partners for achieving the ESG goal
3. Encourage the linkage and implementation of crucial sustainability issues (Materiality) to be a part of the business strategy to create value and sustainability for the organization and society.
4. Follow up implementing the Action Plan and the Annual Plan, including Indicators of sustainability performances to achieve the specified goals.
5. Be Empowered to appoint a working group to achieve the set objectives.
6. Quarterly Report the operating results and advice on improvement to the SCG Sustainable Development Management Committee.

Risk Management

Risk Management Policy

SCGP has implemented a risk management system in accordance with international standards and integrated into the organization's business operations. The Company's Risk Management Policy is published on the website (www.scgpackaging.com)

Risk Management Framework

SCGP has an Enterprise Risk Management Framework based on the COSO and ISO 31000 to effectively reduce potential risks' likelihood and impact. The Enterprise Risk Management Framework comprises

Strategy Establishment

SCG defines explicit risk management objectives and risks appetite to ensure consistent risk management practice enterprise-wide by considering short-term (Immediate risks) and medium-term (Intermediate risks) for the Company. Including Strategic risks, investment projects risk, and risks specific to the current situation, such as information technology risks (IT risks).

Risk Management Process

SCGP has adopted the risk management framework in primary strategic areas; strategic risk management, investment project risk management, and operational risk management. The risk management process attached in The "Risk Management Manual" comprises the 4 steps as follows:

01
Risks/Opportunities Identification

02
Risk Assessment

03
Risk Response includes defining the Key Risk Indicators and Key Performance Indicators, which are the Leading Indicators and Lagging Indicators anticipate risk events and manage risk levels to align with the targets.

04
Risk Reporting to the Risk Management Committee before presenting a report to the Audit Committee on a quarterly basis for considering short-term (Immediate risks), medium-term (Intermediate risks) for the Company, and Strategic risks - specific risks to the current situation, such as information technology risks (IT risks).

Building a Corporate Risk Culture

SCGP recognizes that Corporate Risk Culture is an essential component to risk management success. Therefore, the Company has encouraged a corporate culture in risk management through the following activities:

- Assign top executives to communicate the significance of risk management and be role models in risk management, which includes establishing practical guidelines on the common risk language, risk appetite, and common risk assessment systems
- Assign and accountability of each risk owner
- Encourage each company to include risk management as part of the agenda in major meetings
- Designate risk management as a component of training and development programs for employees
- Encourage experience-sharing across departments and companies to continually communicate risk management benefits.

Risk Factors Related to Business Operations and Mitigation

In 2021, SCGP assessed risk event and mitigation plan to manage the risks that probably occur as the followings:

- Business interruption from COVID-19 pandemic
- Flood and Drought
- Safety
- Human rights
- Rules and regulatory compliance
- M&P integration risk
- RCP supply tightness
- Global freight disruption
- Higher energy prices
- Foreign exchange risk

(Please read the Annual Report 2021 on pages 67-73 for a description of impact and mitigation)

Emerging Risk

Climate Change issue from Greenhouse Gas emissions

The Company realizes the critical climate change issue due to greenhouse gas emissions; therefore, it is determined to reduce emissions Greenhouse from the production process. In addition, stakeholders in the chain Supply are also essential in driving the transformation into Low Carbon Business.

Mitigation

- Target Net-Zero mitigation by 2050.
- Reduce dependence on fossil fuels and increase the proportion of renewable energy usages such as Biomass Fuel and Clean Energy.
- Plant and restore terrestrial forest areas.
- Study the Carbon Dioxide Capture and Sequestration Technology
- Conduct research, develop technology and create energy management innovation to improve or modify production processes and equipment for greater energy efficiency.
- Develop products, services, and solutions by adding properties for packaging to be recycled, reused, or recyclable to reduce greenhouse gas emissions throughout the value chain.
- Adjust investment criteria (M&P) in consideration of Greenhouse gas emissions aligning with the Company's goals

Environmental pollution and Risk of Transitioning to the Circular Economy

Today's consumers tend to be more aware of the environmental impacts with the more sustainable concepts. Also, Governments in many countries have more stringent waste management controls. Suppose any company has no recycling technology or environmentally friendly products that can be efficiently recyclable; it may be affected by declining consumer demand or strict government regulations that significantly affect the business and operating results.

Mitigation

- Set the target to increase the proportion of recyclable, recyclable or compostable polymer packaging sales revenue to approximately 100 percent of the total polymer packaging sales revenue by 2025
- Develop innovative products and solutions that reduce resource consumption or promote recycling following the Circular Economy principles.
- Conduct a plastic storage process through the SCGP Recycle Drop Point Project to complete the cycle.

Cyber Security

The Company applies information technology to achieve business operations efficiency, including employees working in the Hybrid Workplace. Thus, the Company faces increasing security risks associated with Cyber Security in the Information technology system in various forms that may cause data leakage, loss, or further disruption, resulting in the company's operational and reputational risks.

Mitigation

- Implemented and complied with the SCGP e – Policy.
- Installed additional cyber security equipment.
- Conducted the Disaster Recovery system Plan (DRP) - Drills
- Prepared a Cyber Incident Response Plan.

Sensitivity Analysis

Simulation of the case the amount of Carbon - offset compared to the 2050 target

The Company set a target of Net-Zero by 2050 and simulated Carbon Costs that might occur in the future with the ability to reduce greenhouse gas emissions in 2 scenarios as follows:

Scenario	Effects on Carbon Cost	Effects on additional cost due to Risk Measures
1. Business operation as the base year without Risk Measures	approximately 30 billion baht	approximately 0 baht
2. Business operation as the base year with Risk Measures	approximately 0 baht	approximately 15 billion baht

Simulation Cases of the Effects on Drought Crisis

The Company has Pulp and Paper facilities in the Northeastern region, which is more likely affected by severe drought than other regions in Thailand. Therefore, there might be a risk that the Company's production process could be interrupted if the water reservoir in the Ubol Ratana Dam in 2021 decreased under the 3 simulation scenarios as follows:

Scenario	Effect
1. Amount of water reservoir decreased by 10% from the target	No effect on business operation
2. Amount of water reservoir decreased by 30% from the target	No effect on business operation
3. Amount of water reservoir decreased by 50% from the target	Affect on business operation without production stoppage.

Simulation of the Case of the Effects from the Exchange rate

As of December 31, 2021, SCGP had loans in US Dollar currency of around 130 million USD*. The Company simulated the effects of exchange rate fluctuations that might affect gain or loss from the exchange rate under the 2 simulation scenarios as follows

Scenario	Effect
1. Thai Baht strengthened by 1 baht against the US dollar.	• Baht appreciation: Gain from the foreign exchange 130 million baht
2. Thai Baht weakened by 1 baht against the US dollar.	• Baht deprecation: Loss on the foreign exchange 130 million baht

* Indicate only the effect of the exchange rate of the loan in the US Dollar from the external currency institutions as of December 31, 2021, excluding internal foreign currency loans within the business group.

Stakeholders
Products and Services
Ecosystems
Resources
Waste

Suppliers/Contractors

Manufacturer | Service Provider | Carrier | Distributor

Supplier Code of Conduct
Safety
Human Rights
Sustainable Suppliers
Green Procurement

Upstream

Alternative Energy

Research & Development

Increase Usage

Waste to Energy Management

Fossil Fuel

Energy Management

Water

Water Management

Raw Materials

Raw Materials Management

Resources Used

Reduction / Consumption Efficiency

SCGP

Innovation and Technology

SCGP Packaging Solutions | SCG Circular Way

Employee

Caring and Development | Human Rights

Occupational Health and Safety

Conservation and Restoration / Carbon Capture and Storage

Social and Community Care / Local Labor

Biodiversity and Ecosystems

Care and Utilization

Community

CSR Giving Back to Community

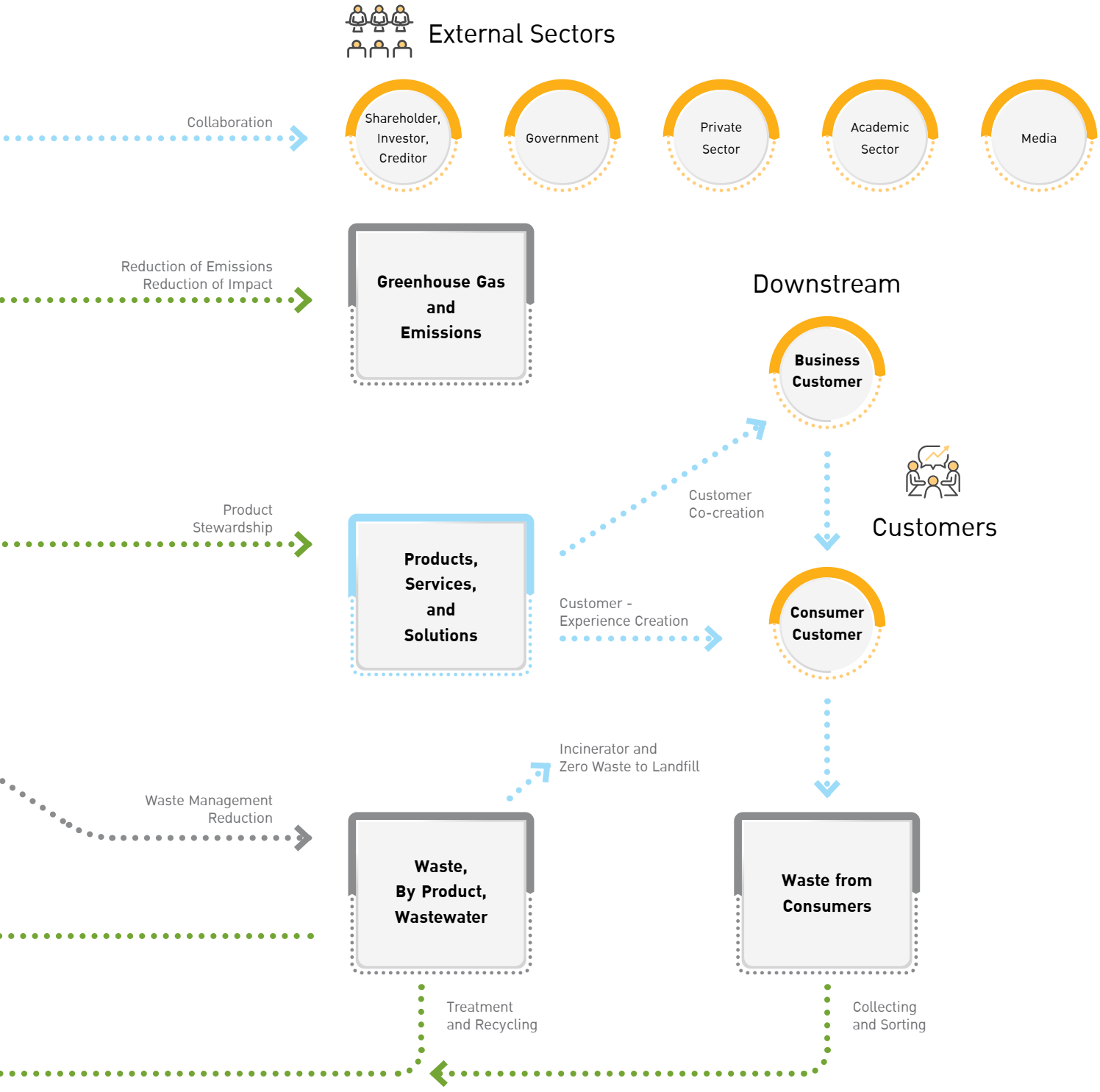
Waste to Alternative Resources Management

Circular Economy

Sustainable Value Chain

SCGP incorporates Circular Economy principles throughout the Company's value chain, from product design, procurement, manufacturing, sales and distribution, usage up to resource recovery. We maximize the unitization of limited energy and resources such as reducing the use, reuse, and recycling to the production process as new raw materials and renewable energy fuel with the least residual disposal.

SCGP offers products, services, and solutions to reduce greenhouse gas emissions, energy consumption, and waste with a longer product lifetime. We also take care of our factory's communities and all stakeholders, creating various social projects, including campaigning activities to raise environmental conservation awareness and coordinating with all sectors, including the public, private, and public sectors, for sustainable social development.



Stakeholders Analysis and Engagement in the Business value chain

SCGP categorizes stakeholders into 12 groups, namely shareholder, investor, creditor, employee, customer, supplier, contractor, community, government sector, mass media, civil society/ academic/ thought leader and competitor. The combined interests of each group may affect or be affected by SCGP's operations at different levels. Therefore, each stakeholders' needs and expectations are analyzed before communication through the various channel consistently, including examples of ongoing actions of stakeholders.

The Analysis of stakeholder expectations in 2021

Stakeholder Group	Key concerns & Expectations	Participation Approach	Example of outcomes	Action	Page
1. Shareholders, investors, creditors	• SCGP's plan/ strategies to achieve both long-term, and short-term goals • Operating results and business growth • Corporate Governance Practice and transparency of management • Disclosure of information on business performances • An optimum value of the dividend • Receive opinions/suggestions to improve operations	• Annual General Meeting of shareholders (AGM) • Announcement of quarterly business performance • Annual Report and Annual Sustainability Report • Analyst conference (quarterly) • Investor Relations (IR) communicate business results/action plans with Investors around the world • Hotline phone and e-mail, managed by IR. • website • Annual Plant visits and CSR activities	• Disclosure of essential and necessary information on SCGP's Operating performances • Conduct business with transparency and accountability • Listen to opinions and suggestions for business operation development	• Annual Report 2021 • Sustainable Development Report 2021	
2. Employees	• Reskill - Upskill and Potential Development in line with business changes • Business Directions and Guidelines for adaptation • Employee Caring	• Ensure regular communications through internal news • Hold annual meeting between employees and executives • Prepare Employee Engagement Plan of each department to encourage employee's commitment to the organization • Conduct yearly employee satisfaction survey • Conduct formal and informal employee engagement surveys • Provide relevant information business movements through various internal communication channels, including e-mail, Line Group, Employee Connect Application • Provide information to realize and be aware of healthcare during the COVID-19 pandemic through multiple internal communication channels, including e-mail, Line Group, Employee Connect Application	• Recognize employees' problems and expectations • Understand employees' needs and facilitate them to work happily and efficiently • Disclosure of operational Information in various activities for employees to acknowledge the SCGP's business movement • Promote a collaborative culture with other stakeholders	• Achieving the business goals amid COVID 19 crisis • Corporate Governance • Health and Safety • Employee Caring and Haman Capital Development • Human Rights	17-18 39-42 48-51 63-64 65-68
3. Customers	• Provide Integrated services and solutions that meet the needs of customers in a complete cycle • Supply Quality products and services that meet customer needs and are environmentally friendly • Provide online channels to customers during the COVID-19 pandemic to respond to customer behavior	• Develop sustainable products, services, and solutions and consider environmental, health, and safety impacts at every step of the process • Provide channels for customers to give feedback about products and services, request solutions, and file complaints through various channels 24 hours a day • Co-develop products with customers and create collaborative projects that enhance social responsibility • Conduct a Customer satisfaction survey every year • Conduct Brand reputation Survey • Listen to customer needs to develop products/services through Facebook, website, and customer visit	• Recognize and understand customer needs to deliver products and services that meet their specific needs • Co-develop products with business customers, including promoting cooperation among B2B customers to develop more sustainable products and services • Create channels for customers to give feedback on the products, request the advice for solving their problems, and receive complaints	• Innovations for Sustainability • Total Packaging solution • Achieving the business goals amid COVID 19 crisis • Circular Economy • Corporate Governance • Product Stewardship • Customer Relation Management	8-9 10-11 17-18 19-22 39-42 43-45 46-47
4. Suppliers, contractors	• Provide knowledge be a mentor to raise transportation capability with safety for growing along with SCGP • Support operational knowledge with concerns on the Environmental, Social and Gouernance (ESG) to enhance the business partners' capability to reduce operational and reputational risks	• Visit suppliers/contractors' places for exchanging ideas and listening to their suggestions or recommendations for improvement • Cultivate consciousness, raise awareness and promote working behavior to build a culture of safety • Organize the seminars to share knowledge and new trends that may affect contractors' operations • Enhance the level of transportation contractors with assessment and development under the project Sustainability Program every year • Establish measures for contractors, including digital and online technology applications, to ensure safety during COVID-19 pandemic	• Promote and take care of the safety and working environment of contractors in production and transportation • Create values for suppliers and contractors' operations • Enhance and Enrich supplier and contractor's operations with new knowledge for maximizing operational efficiency • Develop collaborative projects for business growth and expansion • Promote and support suppliers and Contractors to comply with the requirement relevant environmental, health and safety laws	• Corporate Governance • Health and Safety • Supply Chain Stewardship • Human Rights	39-42 48-51 61-62 65-68

Stakeholder Group	Key concerns & Expectations	Participation Approach	Example of outcomes	Action	Page
5. Communities	• Ensure that the business operations do not affect the community and environment • Use SCGP's expertise to develop and improve the quality of life of the community • Have a chance to learn and self- development for building career and income stability • Enhance income generation by increasing sales channels, developing the marketing plan, and providing packaging • Care for communities during the COVID-19 pandemic	• Visit the community to listen to villagers' opinions, suggestions, and needs through Community - Relations activities • Conduct Community Satisfaction Survey annually • Act as a mentor to give advice and help develop communities in various dimensions, using the expertise of the organization • Collaborate with communities, experts, government, and related sectors to create a positive social impact • Use Social media tools; Line, Facebook, and Twitter • Create Open house activities for the community visit to obtain their opinions	• Be a part of the community with respect to community's rights in parallel with caring for the the environment around the community • Improve the quality of life and enhance the community's benefits and society where SCGP operates both in Thailand and ASEAN • Listen to the community's opinions and co-develop the projects that enhance the community's competence for society's benefit	• Circular Economy • Water Stewardship • Forestry and Biodiversity • Human Rights • Community Engagement and Development • Environmental Management	19-22 56-58 59-60 65-68 69-72 73-76
6. Government	• Be a role model of corporate governance for other organizations in terms of operational transparency and excellence • Collaborate with public sectors and present guidelines for sustainable development • Disclosure of business operation information with transparency and accountability • Operate business with considerations of the impact on the environment and community • Participate in a collaborative project to achieve the Sustainable Development Goals (SDGs)	• Receive opinions and suggestions from the public sectors • Participate in proposing opinions and suggestions on public regulations and practices • Participate with the public sectors and share the best practices to disseminate to the public • Join as a committee or working group with the public sectors in proposing regulatory rules • Visit various public sectors to obtain opinions and suggestions • Disseminate information on the business operations through articles, media, academic forums, exhibitions, and seminars	• Conduct business operations appropriately and adequately with strict compliant to applicable laws and regulations • Cooperate and support activities that promote operations and policies of the public sectors	• Achieving the business goals amid COVID 19 crisis • Circular Economy • Water Stewardship • Community Engagement and Development • Sustainable Development Report 2021	17-18 19-22 56-58 69-72
7. Mass Media	• Become a large corporation model that focuses on conducting business according to sustainable development framework in three aspects, economic, social, and environment. And do it thoughtfully and continuously, achieving clearly tangible and intangible outcomes	• Disseminate business information in various aspects regularly, such as business performance and business press conference • Organize activities to explore operations or social activities occasionally • Support the media activities that are beneficial to society, aligning with SCGP's business principle, appropriately • Have media dialogue to receive suggestions, opinions, or improvements to develop and design communication activities to match the needs and benefits of people who receive information	• Communicate corporate news through in-depth media interviews and an Online survey (empathize media) to provide news content - preparation responding to different media needs • Create an online communication channel to disseminate correct, complete, and up-to-date information, including facilitating the media • Build engagement and good relationships with the mass media	• Sustainable Development Report 2021	
8. Civil Society/ Academics/ Thought Leaders	• Become a model and mentor of other small and medium enterprises for sharing lesson learned and best practices on sustainable development • Join forces with large corporations to make significant changes for sustainability • Cooperate with government agencies and present practical guidelines for Sustainable Development	• Listen to opinions and suggestions from civil society, academics, and thoughts to develop business operations • Cooperate in projects promoting social sustainability • Build engagement and share good practices for civil society/academic/ thoughts leaders to apply, such as road safety, health management, etc. • Provide information on the business operations through articles, media, meetings, exhibitions, academic work, and seminars	• Disclosure of complete and transparent information • Listen to comments and suggestions from civil society • Seek opportunities to build partnerships to drive and drive issues related to sustainability • Raise awareness and understand the community on important sustainable development issues and utilize knowledge from experts to support collaborative projects	• Community Engagement and Development	69-72
9. Competitor	• Conduct Business under the framework of fair competition, with business ethics and transparency • Do not take advantage of competitors by unlawful means • Do not damage the reputation of competitors by making malicious accusations • Do not seek any trade secret information through dishonest or inappropriate means • Do not conduct any action that fringes the intellectual property of competitors. • Support and promote free trade	• Join as a committee or work with associations such as the Federation of Thai Industries or other associations. • Provide seminar for knowledge sharing on new trends that may affect business operations • Pay a visit to build relationships for exchanging ideas and listening to suggestions or improvements	• Conduct the business under the framework of fair competition and related laws • Disclosure of significant and necessary information about SCGP's operation • Have Corporate Governance with transparency, fairness, and verifiability • Listen to comments /suggestions to develop the business operation • Identify opportunities to build cooperation for encouraging and driving business-related issues to the consideration of the Government sector	• Sustainable Development Report 2021	

Materiality

SCGP manages its sustainability by collecting and prioritizing issues in accordance with the Global Reporting Initiative (GRI) standards. At the same time, the Company employs stakeholder engagement to prioritize the materiality of the issues to be implemented.

01 Collect and Identify Sustainability Issues

- Collect information on sustainability issues from peers, thought leader organizations, and corporate business strategies.
- Conduct stakeholders' internal and external engagement to formulate sustainability issues.

03 Review and Validate

Organize workshops for Executives to review and validate the prioritized materiality issues with the participation of the Chief Executive Officer and high-ranking executives to mutually agree and approve.

02 Materiality Assessment for Prioritization

Organize workshops for prioritizing sustainability Issues

04 Communicate Materiality Issues to All Stakeholders

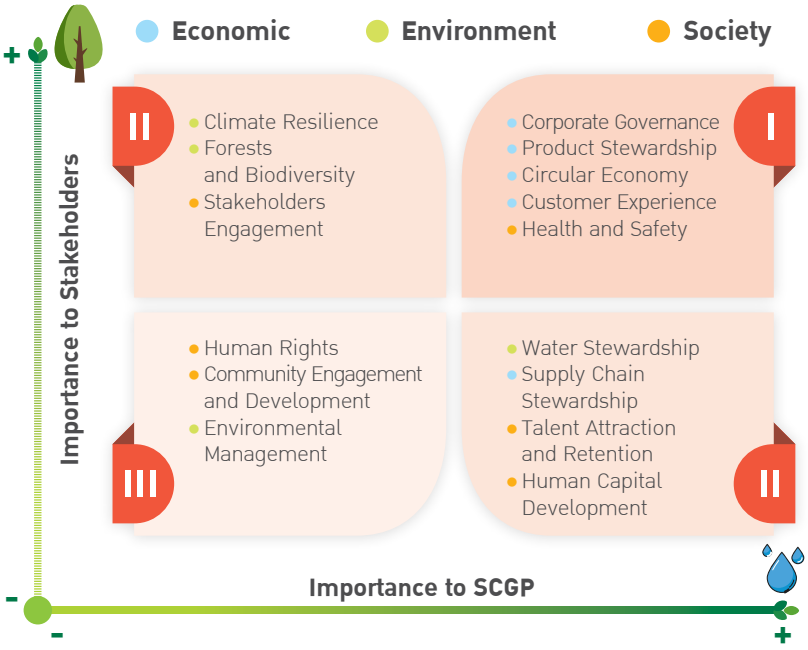
Communicate the results of prioritized materiality issues to executives and employees of all functions to realize the importance and the approach to manage each materiality issue.

In 2021 SCGP still prioritized the Materiality issues into 3 levels as follows:

I. Key Risk and Capturing Future Value Issues

II. Issues that drive sustainable development (Enabler)

III. Issues that are fundamental to sustainable business operation (Business Fundamental)
Without any Changement in the Key Risk and Capturing Future Value Issues



Materiality Issues Management

Key Risk and Capturing Future Value

- Corporate Governance
- Product Stewardship
- Circular Economy
- Customer Experience
- Health and Safety

Enabler

- Climate Resilience
- Water Stewardship
- Forests and Biodiversity
- Supply Chain Stewardship
- Human Capital Development

Business Fundamental

- Human Rights
- Community Engagement and Development
- Environmental Management

Sustainable Development goals

SCGP operates the business following the Sustainable Development principle and establishes a business policy within the sustainability framework with clear policies, practices, and guidelines for achieving the Sustainable Development Goals (SDGs). The Company also strives to balance triple bottom lines; economic, environmental, and social aspects. The ultimate goal is to enable businesses and stakeholders to achieve their expectations both in the short-term and long-term goals. These are encouraged by Improving efficiency throughout the supply chain, using energy efficiently, reducing waste emissions to create a better quality of life, in line with the Circular Economy principles.

SCGP business operations are committed to achieving 14 Sustainable Development Goals-SDGs

No Poverty
End poverty in all its forms everywhere.

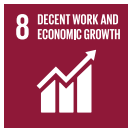
Good Health and Well-being
Ensure healthy lives and promote well-being for all at all ages.

Quality Education
Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

Gender Equality
Achieve gender equality and empower all women and girls.

Clean water Management and Sanitation
Ensure the availability and Sustainable Management of water and sanitation for all.

Affordable and clean energy
Ensure access to affordable, reliable, sustainable and modern energy for all.



Decent Work and Economic Growth
Promote sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.

Industry, Innovation, and Infrastructure
Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation.

Sustainable Cities and Communities
Make cities and human settlements inclusive, safe, resilient, and sustainable.

Responsible Consumption and Production
Ensure sustainable consumption and production patterns.

Climate Action
Take urgent action to combat climate change and its impacts.

Life on Land
Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation, and halt biodiversity loss.

Peace, justice, and strong institutions
Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable, and inclusive institutions at all levels.

Partnerships for the Goals
Strengthen the means of implementation and revitalize the global partnership for sustainable development

Source: http://www.un.or.th/globalgoals/th/the-goals

ESG Materiality Issues and Stakeholders

SCGP has 15 ESG materiality issues that involve 9 groups of Stakeholders which can be responded to the 17 United Nations Sustainable Development Goals, (SDGs)

ESG Materiality	GRI Aspect	Impact Boundary										SDGs
		Internal Sectors		External Sectors								
		SCGP	Employee	Shareholder/ Investor/ Creditor	Supplier/ Contractor	Customer	Community	Government	Media	Civil Society/ Academic/ Opinion Leader	Competitor	
Corporate Governance Scope of ESG Sustainability risks and opportunities • Good Ethics • Anti - Corruption • Complainants/Whistle Blower • Risk and Crisis Management Capital Value • Ethics and Integrity Transparency	• GRI 102 General Disclose (3 Ethic and Integrity, 4 Governance)	●	●	●		●	●	●			●	
Health & Safety Scope of ESG Sustainability risks and opportunities • Employee Health - care during the COVID-19 Pandemic • Adjust the way of working • Caring for Business Partners, Customers, and Communities Capital Value • Health and Well-being of Employees, Business Partners,Customers, and Communities	• GRI 403: Occupational Health and Safety*	●	●		●	●	●					
Product and Service Stewardship Scope of ESG Sustainability risks and opportunities • Sustainable Product Development according to Sustainable Development guidelines • Product Development following Life Cycle Assessment guidelines. • Product Quality and Safety Capital Value • Products with an ease of use, durable, safe and environmentally friendly. • Respond to the customers' and consumers' needs.	-	●	●			●						
Customer Experience Scope of ESG Sustainability risks and opportunities • Develop technologies and solutions to meet customer needs • Comprehensive services • Communication with customers Capital Value • Respond to customer and consumer needs	• GRI 102 (5. Stakeholder Engagement)	●	●	●	●							
Stakeholders Engagement Scope of ESG Sustainability risks and opportunities • Conduct and develop business under ESG guidelines • Stakeholder expectations and concerns • Communication with stakeholders Capital Value • Confidence from stakeholders	• GRI 102 (5. Stakeholder Engagement)	●	●	●	●	●	●	●	●	●	●	
Circular Economy Scope of ESG Sustainability risks and opportunities • Co-operations with the supply chains • Product development following to the Circular Economy principles • Apply innovations following to the Circular Economy principles Capital Values • Sustainable business operations following the Circular Economy principles	• GRI 201: Economic Performance	●		●		●	●			●		
Environmental Management Scope of ESG Sustainability risks and opportunities • Pollution management from business operations • Prevention of complaints from communities Capital Value • Good environmental quality within the plants and surrounding communities • Sustainable coexistence with communities	• GRI 305: Emission (305-7 Nitrogen Oxides (NO_x), Sulfur Oxides (SO_x), and other significant air emissions) • GRI 306: Effluents and Waste	●	●	●		●	●			●		

ESG Materiality	GRI Aspect	Impact Boundary										SDGs
		Internal Sectors		External Sectors								
		SCGP	Employee	Shareholder/ Investor/ Creditor	Supplier/ Contractor	Customer	Community	Government	Media	Civil Society/ Academic/ Opinion Leader	Competitor	
Supply Chain Stewardship Scope of ESG Sustainability risks and opportunities • Sustainable sourcing operations • Developing employees and business partners to operate together in a sustainable manner Capital Value • Actions with sustainable business partners	• GRI 102-9 Supply Chain	●			●	●						
Human Capital Development Scope of ESG Sustainability risks and opportunities • Employee development for knowledge and capabilities Capital values • Employees are knowledgeable, versatile, and work efficiently.	• GRI 102 General Disclose (102-8 Information on employees and other workers) • GRI 404 Training and Education	●	●		●	●						
Community Engagement and Development Scope of ESG Sustainability risks and opportunities • Community satisfaction • Community support for sustainability Capital Value • Sustainable coexistence with communities	• GRI 413: Local Communities	●					●			●		
Water Stewardship Scope of ESG Sustainability risks and opportunities • Manage water efficiently and sustainably • Manage risks with global tools Capital Value • Water efficiency	• GRI 303: Water*	●	●				●	●				
Climate Resilience Scope of ESG Sustainability risks and opportunities • Increase the share of alternative energy and renewable energy • Improve machinery efficiency • Develop products that emit less greenhouse gas • Create opportunities for trade competition • Use economic tools to reduce greenhouse gas emissions • Planting forests to absorb greenhouse gases Capital Value • Use energy efficiently • Reduce greenhouse gas emissions from business operations	• GRI 305: Emissions • GRI 302: Energy	●		●		●	●	●		●		
Human Rights Scope of ESG Sustainability risks and opportunities • Implementing international laws and practices • Comprehensive management of human rights risks Capital Value • Improving the quality of life by creating sustainable shared values for Stake holders and Society	• GRI 412: Human Rights Assessment	●	●		●	●	●					
Talent Attraction and Retention Scope of ESG Sustainability risks and opportunities • Build employee engagement • Human Resource Management - Adjustment Capital Value • Be an organization of values and caring for employees • Employees are committed to the organization.	• GRI 404: Training and Education	●	●	●		●						
Forestry and Biodiversity Scope of ESG Sustainability risks and opportunities • Sustainable biodiversity management • Sustainable forest management Capital Value • Biodiversity and ecosystem conservation areas • Economic forest plantations certified to the Sustainable Forest Management Standard (FSC).	• GRI 304: Biodiversity	●		●		●	●			●		

*GRI Standards 2018

Materiality Issue **Management**

Corporate Governance

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Target

01
Disseminate and communicate the understanding of the SCG Packaging's Code of Conduct within all SCGP's companies.

02
No corruption.

03
Receive an excellent rating (5 stars) from the Corporate Governance Survey of Listed Companies (CGR Checklist) for the year 2021.

Performance 2021

01
Disseminated and communicated the understanding of the SCG Packaging Code of Conduct to all SCGP's companies through the Company's website.

02
Zero - Violation of the Anti-Corruption Policy

03
Received an excellent rating (5 stars) from the assessment of the Corporate Governance Survey of Listed Companies for the year 2021 (CGR Checklist) by the Thai Institute of Directors Association (IOD),

received SET Awards 2021 in
1) Sustainability Excellence Award in the Rising Star Sustainability Awards category
2) Business Excellence Award in the Best Deal of the Year Awards category by the Stock Exchange of Thailand

and received an evaluation score of 100 total points from the assessment of the Quality of the Annual General Meeting of Shareholders for the year 2021 (AGM Checklist) by the Thai Investors Association.

SCGP by the Board of Directors has determined the Corporate Governance Policy as a part of the business policy and appointed the Corporate Governance and Nomination Committee to oversee the Company's Corporate Governance. The Company has adopted the Corporate Governance Code (GC Code) of the Securities and Exchange Commission for Listed Companies in 2017 for sustainable benefits and value creation. The Board of Directors sets an agenda for reviewing the SCGP's Charter and Corporate Governance Policy at least once a year.

Strategy

01
Establish Corporate Governance Policy and Practices to be consistent in the same direction throughout the organization.

02
Regularly review Corporate Governance Policies and Practices aligning with business strategies and adjust them at least once a year.

03
Communicate and encourage Employees and Business Partners to gain awareness and seriously comply with the Corporate Governance Policy and Practices, SCGP Packaging Code of Conduct, and Supplier Code of Conduct.

04
Supervise and monitor the implementation of Corporate Governance Policy and Practices throughout the organization.

Significant Changes and Developments in Corporate Governance Policies, Practices, and Systems in 2021

01

The Board of Directors reviewed the application of the CG Code to SCGP and assessed the Board's performance in accordance with the CG Code. The results of the Board's performance evaluation following the CG Code in all 8 areas scored more than 90 percent of the Company's designated as a benchmark, ensuring that the Board of directors understood the CG Code and Practices to create sustainable value for the business.

02

The Board of Directors approved additional Corporate Governance Policy and Practices to align with the increasingly complex and diversified business operations and the broader presence of the overseas business as follows:

- Intellectual Property Policy
- Tax Policy
- Diversity and Inclusion Policy
- Guidelines in case Directors of the Company may have conflicts of interest; and
- Guidelines for developing the performance of the Board of Directors

03

The Board of Directors reviewed and approved the Corporate Governance Policy amendment as proposed by the Governance and Nomination Committee as follows:

- SCG Packaging's Code of Conduct
- SCG Packaging's Corporate Governance Structure
- Charter of The Board of Directors and 3 sub-committees
- Charter of Audit Office
- Policy on the determination of qualifications and nomination of Company's Directors
- Anti-Corruption Policy
- Conflict of Interest Prevention Policy
- Human Rights policy; and
- Performance evaluation form of the Board of Directors and sub-committees

04

The Company promoted granting other rights to shareholders other than voting rights, such as giving shareholders the right to submit questions in advance of the 2021 AGM and facilitating shareholders, including institutional investors attending the Meeting both in person and by proxy, Including giving shareholders the right to propose meeting agendas and nominate suitable persons to be directors in advance for the 2022 Annual General Meeting of Shareholders.

05

The Company provided communication channels for the Company's information greater than last year by disclosing the Annual Report on the Company website and the Stock Exchange of Thailand's website. Including communication with Institutional investors, Retail/Individual investors, shareholders, analysts, and relevant government agencies in equal and fair conduct by telephone, e-mail, and both online and offline meetings,

06

SCGP's business growth made transactions complex and diverse with more business abroad; therefore, the Company conducted the Corporate Governance Survey on knowledge and understanding about its subsidiaries' policies, practices, and current Corporate Governance system. The survey was to explore the knowledge and understanding of each Company about the current Corporate Governance System and planned to increase such knowledge and understanding for ensuring that the subsidiaries understood SCGP's Corporate Governance Principles.

07

The Company had oversight on information technology, information security, and communication network systems by the following actions:

- Appointed the representatives to join the Parent Company's IT Governance Working - Group to set policies and regulations on the use of information technology and communication the e-Policy with reference to ISO/IEC27001.
- Prepared documented guidelines for internal control audit/security of information systems and developed IT audits in taking cyber security risks into account.
- Assessed the internal control points of Information Security with reference to ISO27001 for Merger & Partnership (M&P) companies.
- Set the requirement of employees' testing knowledge on e-Policy and passing with 100% correct.
- Reviewed and adjusted audit strategies aligning with the COVID -19 crisis and risks under the New Normal situation by using Machine Learning (ML), Robotics Process Automation (RPA), and Data Analytics (DA)

Follow-up for ensuring compliance with Corporate Governance Policies and Practices

The Company strictly followed the SCG Packaging's Corporate Governance Manual to be applied in actual actions. Especially the matters that the Board of Directors had resolved to the amendments or additions in 2021, and followed up for ensuring the compliance with Corporate Governance in the following 4 issues:

- Prevention of conflicts of interest
- Using Inside Information for Exploitation
- Anti-Corruption
- Whistleblowing

Anti Corruption

After SCGP announced the intention to join Thailand's Private Sector Collective Action Against Corruption (CAC) on December 1, 2020, the Company applied for a CAC - certification in 2021, with the outcomes as follows:

Reviewed and improved Anti-corruption Policy and the SCG Packaging's Code of Conduct

The Chief Executive Officer communicated to the management team and all employees to comply with and understand the Anti-Corruption Policy, SCG Packaging's Code of Conduct, relevant Rules, and Regulations.

Organized training in various courses and arranged the knowledge testing on Understanding of SCG Packaging Code of Conduct and Anti-Corruption Policy so-called the "Ethics e-Testing" conducted consecutively for the 7th year. All Thai employees are required to pass the test by 100%.

Prepared Anti-Corruption Compliance Checklist, Manual on Corruption Investigation, and organized seminars and workshops for high-risk sections

Disseminate anti-corruption concepts to suppliers, and

Set up a system for receiving complaints and reporting clues. (Whistleblowing)

"Whistleblowing"

The Company has a mechanism for receiving complaints and taking action in the issues with clues about illegal activities, violations of Rules, Code of Conduct, or behavior that may imply corruption of the Company's personnel for employees and outsiders with appropriate measures whistleblowers protected. According to the policy for receiving complaints of corruption and wrongdoing by providing various channels for receiving complaints at any time and through multiple channels; websites in both Thai and English, verbal, e-mail, and letters, still maintaining the confidentiality and protecting complainants.

Reporting a violation	Number of complaints (subject)	
	2020	2021
Total number of complaints	10	8
The number of investigated complaints.	11 (including one complaint of the year 2019)	7
Investigated Complaints by types		
1. Violation of Unethical Conducts.		
1.1 Conflict of Interest	0	1
1.2 Corruption	0	0
1.3 Human Rights - Violation	0	0
1.4 Antitrust - Violation	0	0
1.5 Use of Insider Information	0	0
1.6 Other	0	0
2. Failure to comply with company rules/ lack of good management	1	2
3. Not in accordance with the complaint	10	4

Corporate Tax Management

SCGP is well aware of transparency in tax processing for ensuring fair business conduct adhering to social responsibility and all stakeholders by complying with the laws in each country. Therefore, the Company has the Board of Directors supervise and approve tax policy before issuing an organization-wide enforcement measure covering all countries where SCGP has business to ensure that the Company's tax process fully complies with applicable laws and regulations.

SCAN ME

For more information
on SCGP - Tax Policy

Product Stewardship

Target

Sales Revenue of products, services and solutions with the SCG Green Choice Label is

66.7% of total sales revenue by **2030**

Sales Revenue of products, services and solutions, provide divectly value fo customers with the SCG Green Choice Label is

33.3% of total sales revenue by **2030**

Performance 2021

Sales Revenue of products, services and solutions with the SCG Green Choice Label was

45% of total sales revenue.

Sales Revenue of products, services and solutions, provide divectly value fo customers with the SCG Green Choice was

13% of total sales revenue.

SCGP integrates the Product and Service Safety Policy as part of the Quality Management System, following its responsibility for damage caused by the unsafe product (Product Liability). The effectiveness of the implementation through the quality management system reviewed by the Committee of each company which covers from Product Hazard Analysis (PHA) at every stage from product manufacturing, transportation, storage, use, and end-of-use, leading to deficiencies prevention planning from the design, manufacture, and preparation of warning labels according to international standards to be more effective. As well as provide response measures in analyzing management, Investigating complaints and emergencies to rehearse the readiness to deal with actual complaints and emergencies. It also includes knowledge and training to related parties regularly and assessing operation effectiveness through continuous internal and external audits of the ISO 9001 system. As a result, in the year 2021, there were no significant complaints of health and safety violations both from the use of consumer products, product, and service information on product labels or advertising materials from consumers, also no fines cases from non-compliance with laws related to the use of SCGP products and services.

Challenges in 2021

Risk

- Consumers were increasingly aware of the sustainability concept. They tended to use environmentally friendly packaging, including reducing packaging materials and production methods harmful to the environment.
- Consumers turned to brands that offered more value and direct purpose.
- Online shopping and food delivery raised concerns among consumers about their environmental impact.

Opportunity

- Developed and designed quality products, safe, easy to use, durable, reusable, easy to recycle, environmentally friendly, including enhanced the organization's capability to become a leader in the expertise of the packaging industry with creativity and continually developing innovations.
- Created new business opportunities in an increasingly competitive market situation.

Management Approach

- Used innovation and digital technology to product development operations and reduce costs.
- Adopted the Circular Economy principles for maximizing resource utilization for reducing energy, water, and waste.
- Reviewed the Capital Expenditures in developing products, services, and solutions to create rapid change.
- Implemented the Eco-Design concept from the design stage, production process, packing, safe use until waste minimization or recycling.

Strategy

01

Adopted the innovation-oriented approach in developing products, services, and solutions that meet consumers' needs, enhance well-being, take the impact of climate change, the Circular Economy principles, and generate new business opportunities into account.

02

Developed business processes throughout the value chain compliant with international standards.

03

Considered the impact of products, services, and solutions on the environment and product safety throughout its life cycle.

04

Focused on products, services and solutions which directly benefit to customer.

SCG Green Choice

"Environmental label" is a mechanism for communicating and indicating the environmental friendliness of products to consumers. It is a label given to a quality product with a lower environmental impact than a product that performs the same function. The information enhances consumers to know the product's environmentally friendly value. And they can choose to buy goods and services that reduce the environmental impact caused by their own resources consumption.
(refer to https://www.thaitextile.org/th/insign/detail.270.1.0.html).

Environmental labeling is a "voluntary" and "Caring" of entrepreneurs themselves due to no law enforcement. Still, the product must pass the criteria for assessing whether it is environmentally friendly or not and how.

SCG Green Choice is a type 2- Environmental Label that the manufacturer, distributor, or exporter indicates its environmental friendliness or shows the ecological value of the product by Self-declared Environmental Claims according to ISO 14021.

Receiving the SCG Green Choice Label, the products, services, and solutions must have better environmental properties than conventional products. And meet at least one of 15 criteria of SCG Green Choice as follows:- Reduce Resource Use, Renewable Energy, Reduce Water Consumption, Friendly to Health or Hygiene, Extended Life Product, Greenhouse Gas Reduction, Reusable or Refillable, decomposition of organic matter (Compostable), etc.

SCGP is committed to developing products, services, and solutions certified with the SCG Green Choice Label for higher revenues from sales with the target: "By 2030, the Proportion of sales Revenue from Products, Services, and Solutions received the SCG Green Choice Label must be two-thirds equivalent to 66.7% of total sales revenue." The example o products certified with the SCG Green Choice Label are as follows:

01

Bleached Eucalyptus Pulp and Dissolving Pulp
"Bleached Eucalyptus Pulp production reduces the use of water withdrawal at least 7%" received the SCG Green Choice Label, Indirect Type - "Reduce water consumption."

02

Offset BM Plus Paper and White Card PRO Paper
"Offset BM Plus Paper production reduces the use of water withdrawal at least 20%, and" White Card PRO Paper products at least 20%" received the SCG Green Choice Label, Indirect Type - "Reduce Water Consumption."

03

TS box surface paper (TS – Kraft Liner)
"TS box surface packaging paper is made from 100 percent recycled waste paper; thus, it can reduce the natural resource consumption by at least 5 percent, resulting in lighter paperweight but retaining the usual strength. It got both the SCG Green Choice Label, Direct Type - "Reduce the resource use and Indirect Type - "Recyclable or Recycled Content."

04

G - Corrugated Cardboard Packaging
"Extra small corrugated packaging can reduce paper usage by at least 135 grams per square meter at the same strength, compared to Folding carton 500 GSM"., received the SCG Green Choice Label, Indirect Type, - "Reduce Resource Use."







05

Honeycomb Paper

"Its function is for backing products or an additional sheet to reduce the vacant space in the package. It can reduce paper use per volume by at least 30%"., received the SCG Green Choice Label, Direct Type, - "Reduce Resource Use."

06

Green Carton Packaging

"The Green Carton packaging is made from corrugated cardboard that uses less than 25 grams of reduced resources per square meter while maintaining the same strength". It received the SCG Green Choice Label, Indirect Type, - "Reduce Resource Use."

07

Retort Food preservation Packaging

Visy Packaging (Thailand) Ltd., SCGP's subsidiary, has manufactured " the Retort food preservation packaging that can maintain food quality at room temperature* for at least one year and also helps prevent the penetration of external chemicals into food - Health-friendly." It received the SCG Green Choice Label, Direct Type – "Health or Hygiene" and "Extended Life Product."

** Room temperature ranges 20 to 250 C*

Products, Services, Solutions certified the "Environmental friendliness."

SCG Green Choice - Environmental Label Type 2

44 items

Green label -Environmental label Type 1

30 items

Customer Relation Management

Target

100 %
of Total Customer Satisfaction

Performance 2021

80 %
of Total Customer Satisfaction*

Customer Relation Management

SCGP proactively works and quickly manages customer relations by implementing a Customer-centric strategy by working closely with customers, clearly understanding their problems, increasing capability to develop innovations to offer solutions that meet each customer's unique needs. In addition, to the ever-changing consumer behavior with diverse requirements, SCGP provides the total solutions for their convenience and creates good customer- experiences with creativity.

Strategy

01 Foster B2B collaboration, leading to stronger (B2B2C).

02 Engage with the Consumer Group (B2C).

Risk and Opportunity in 2021

SCGP had consistently provided customer services throughout the COVID-19 pandemic by increasing the hygienic measures to ensure safety for customers, employees, and business partners, such as spraying alcohol on products, 100% of employees and transportation contractors taking ATK tests, Bubble and Seal measure in the factory for ensuring SCGP products delivery to customers continuously.

In the view of responding to customers' requirements due to the rising demand for hygienic products and online purchases, SCGP had made adjustments through product development, such as packaging in medical products, food packaging (Food Contacted grade - paper), and offering food packaging for serving the groups with increased demand such as the group of Taking - away, Delivery, and Hospitel.

In addition, SCGP upgraded customer service by delivering thermometers and alcohol spray to customers and supported SCGP paper field bed – a social innovation made from 100% recycled paper to help COVID-19 patients and medical personnel. As well as supported photocopying paper to 22 vaccination service points, delivering Fest Food Safety Packaging to hospitals, field hospitals, and 16 COVID - patient care agencies across the country.

Due to the shipping crisis, SCGP continually increased the flexibility in shipping products to export customers.

In the case of the container and shipping crisis, the Company closely coordinated with customers to adjust the INCOTERM according to the situation and limitations of shipping lines in each country.

SCGP uses digital technology to create convenient services for customers, increase work efficiency, service speed, and reduce human error. The highlight works in 2021 are the followings:

Domestic customer service Highlights:

- Used a CRM (Customer Relationship Management) system to record the essential customer information that is up-to-date and connected to customers' needs in many dimensions to offer products and services beyond customer expectations.
- Developed automation in prompt informing of customers-order-status when needed to increase the convenience and speed of data transmission and reduce repetitive work processes and time.

Transportation Highlights:

- Developed an application platform for real-time tracking customer delivery status using GPS technology through mobile devices. Also, extend the management of electronic documents in goods delivery (e-POD) to reduce various transaction processes for customers processing faster and more conveniently. It is expectingly completed by early 2022.
- Organized the screening process of COVID-19 every 14 days for 100% of all truck drivers following the Control and Disease Prevention Measures to increase customer confidence of SCGP's truck drivers that have no risk of infection spreading to customers.

Retail Highlights:

- Invenik Co., Ltd. has started selling Almind, Hollis products on Facebook, e-marketplace including Shopee, Lazada, NocNoc, SCGHome, and distributed to modern trade retailers such as Office Mate so that consumers can access products more conveniently.
- Thai Paper Products Co., Ltd. has adjusted the inventory management in the part of e-marketplace, Shopee Idea official shop, using experienced 3PL to provide professional product arrangement and retail delivery service.
- Thai Paper Products Co., Ltd. has developed a Dealer management system to co-work with dealers for better efficiency.

Export Customer Service Highlights:

Used Robotic Process Automation (RPA) technology in Export Ordering to reduce unnecessary repetitive work processes and customer-order processing time.

Credit Highlights:

Siam Kraft Industry Co., Ltd. developed a payment system so-called the Payment Gateway - a website that enabled customers to pay for goods and services from their bank accounts, which helped reduce banking transaction - time and view invoice details from the website.

Developing solutions for Food Industry Customers

SCGP has collaborated with customers to develop complete solutions for food packaging, starting from Flexible packaging for products packaging, Carton packaging for product display, Corrugated box packaging for shipping, and Product labels. With a suitable material selection, beautiful design, high-quality printing, and manufacturing processes, SCGP enhances customers' brand image. Also, it reduces the redundancy and time in usual processes required for communication with many affiliates of SCGP. The collaboration strengthens the relationship and revenue for both businesses.

Customer Satisfaction Survey

SCGP conducted a customer satisfaction survey by sampling customers covering all industry groups, both domestically and overseas. The Company allocated the number of sampling customers according to the proportion of their purchasing volumes, divided into three levels, Platinum, Gold, and Silver, to obtain information from all customers' levels.

SCGP specified the sample size at an acceptable standard deviation, not greater than 5%. The Company's overall satisfaction in 2017 was 80%, 2019 was 80%. The survey in 2021 will be conducted in 2022.*

SCGP - Customer Service Center

In 2022, there will be an SCGP- Customer Service Center for customers to access with only one telephone number for every product easily. Adding the Function Privilege for customer convenience to direct contact with customer service personnel without passing through the IVR System helps avoid missing calls from customers. There is also a management system to distribute all customer calls to responsible customer service personnel simultaneously with the clearly defined service standards of answering calls and calling back. In this regard, each product group is also managed with the Dashboard Reporting system to create customers' confidence in receiving consistent, prompt service. In addition to answering phone calls with audio, a LINE Officiel SCGP Contact is another channel for customers to contact customer service personnel by messaging each other directly. It is an additional channel for customers with much quicker access.

Health and Safety

The target of Occupational Health and Safety

Every year **0** case Work-Related Fatality of Employees and Contractors in the workplace.

Every year **0** Occupational Illness and Disease Frequency Rate (cases /1,000,000 Hours Worked)

2021 **0.08** Lost Time Injury Frequency Rate of Employees and Contractors (cases/1,000,000 Hours Worked)

2022 **0** Lost Time Injury Frequency Rate of Employees and Contractors (cases/1,000,000 Hours Worked)

Performance 2021 of Occupational Health and Safety

2 cases Work-Related Fatalities of Employees and Contractors

0 Occupational Illness and Disease Frequency Rate (cases/ 1,000,000 Hours Worked)

0.608 Lost Time Injury Frequency Rate of Employees and Contractors (cases /1,000,000 Hours Worked)

Health and Safety Strategy

01 Encourage employees at all levels and contractors to be safety leaders, raise safety awareness, and promote behavior change towards a safety culture

02 Commit to upgrading the Occupational Health and Safety Management system compliance to the local and international standards towards excellence in Occupational Health and Safety.

03 Develop digital technology to support Occupational Health and Safety operations to be easier for implementation and higher efficiency.

Just one case is too many.

For SCGP, just one accident case is unacceptable (Uncompromising Safety Standard). Suppose any work-related accident or occupational illness occurs; it is such a great tragedy due to physical and mental effects. Thus, SCGP pays high importance to workplace safety because it is critical in business operations.

SCGP adheres to one of the four Core Values, **"Belief in the value of the Individual,"** realizing that **"employees are the most valuable resource, that can be developed and need protected"** to drive organizational growth towards sustainability.

SCGP has a solid determination to be **"an Injury and Illness Free Organization"** with proactive actions managed by the Occupational Health and Safety Committee, including an actionable safety system, qualified safety personnel in charge of occupational health and safety both in the workplace (Workplace Safety) and during transportation and vehicle use (Transportation Safety).

In addition, SCGP has digital technologies adoption to enhance management efficiency. And build a safe culture where everyone in the organization must be conscious of safety both at work and in personal life, and be a good role model in keeping and protecting oneself and others safe from incidents.

Workplace Health and Safety

SCGP has continually implemented the Occupational Health and Safety management in line with the "SCG Safety Framework." In 2021, SCGP developed and enhanced the management system, focusing on participatory engagement with the learning and understanding of employees and business partners at all levels.

Also, the assessment adjustment by allowing SCGP's Companies to conduct Self-Declaration. It helps build the company's safety awareness from regular reviews of occupational health and safety competencies according to the "SCG Safety Framework" to demonstrate commitment to higher operational efficiency enhancement.

In addition, there was the revision of the SCG Safety Framework's requirements to cover the Corporate Risk Management in 3 main areas as follows:

1

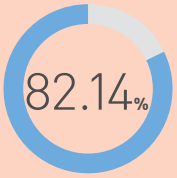
Health management

SCGP is committed to achieving the **"Zero - Occupational illnesses and Diseases Goal"** by implementing the health risk assessment to be defined as a risk measure management and planning the measurements in industrial hygiene. Also, a Health Surveillance Program corresponding to the exposed risk factors and analyzing the obtained data to determine the abnormal tendency causes illness and occupational disease to enhance employees' quality of life. During the COVID – 19 pandemic, SCGP issued health care measures for employees and related persons in both factories and offices to control and prevent the spread of infection and build safety and confidence in the organization using innovative equipment with touchless technology.

2

Contractor Safety Management

"No employees, No business partners, No company exists." Therefore, taking care of business partners and employees is equally essential for their safe work and good health.



of Contractor - Companies Certified by CSM

SCGP has The Contractor Safety Management Committee (CSM) to oversee all procedural steps; the selection process, operational control, and contractors' performance evaluation, including continued development and upgrading the safety operations.

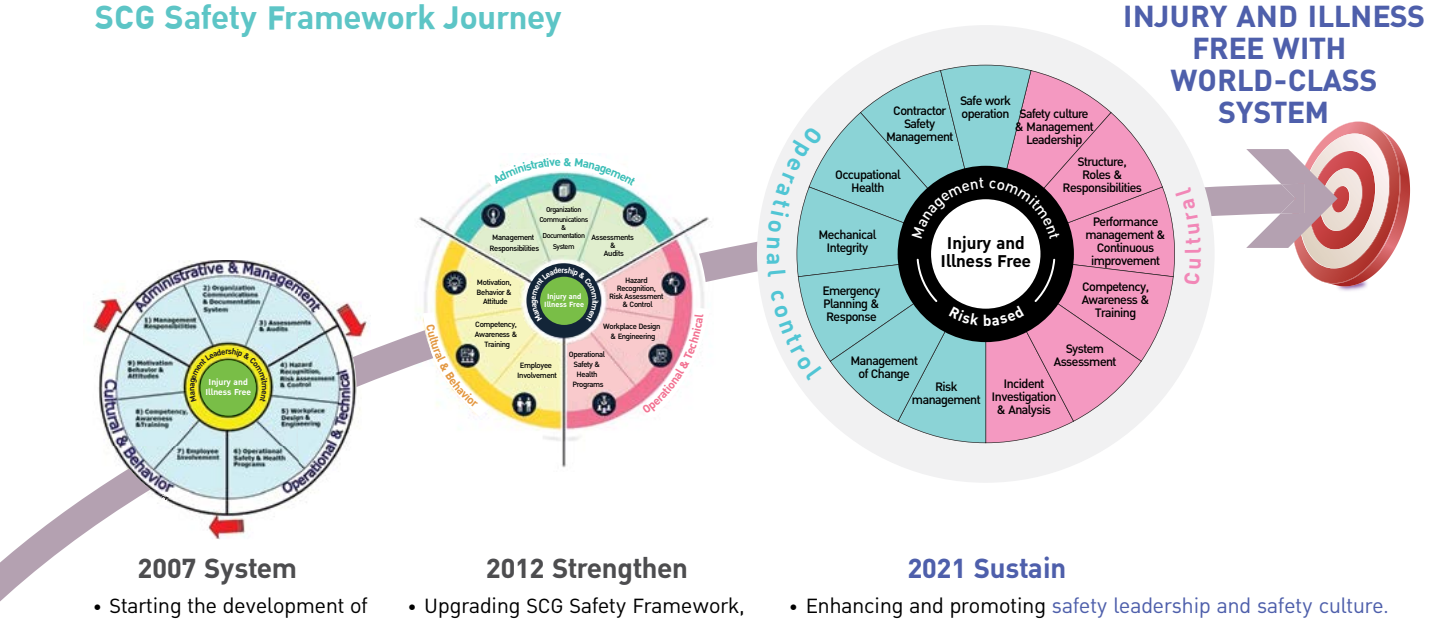
3

Process Safety Management

SCGP has studied risk management in the process to adopt and set up standards for process hazard analysis, including machinery and equipment maintenance to ensure consistent efficiency throughout the service life (Process Hazard Analysis & Mechanical Integrity).

SCG Safety Framework Journey

INJURY AND ILLNESS FREE WITH WORLD-CLASS SYSTEM



2007 System

- Starting the development of the Occupational Health and Safety Management System (SCG Safety Framework).

2012 Strengthen

- Upgrading SCG Safety Framework, the Assessment, and Audits.
- Raising capability of Auditees and auditors.

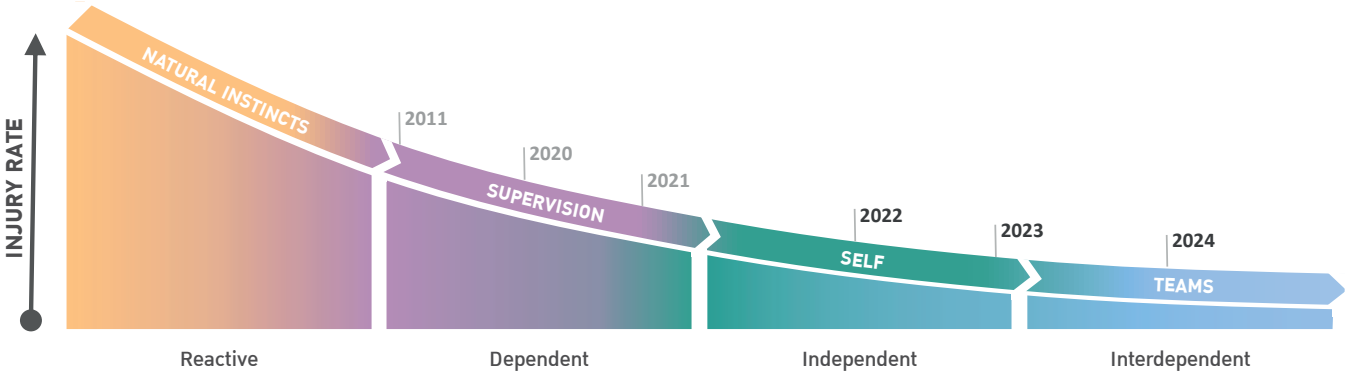
2021 Sustain

- Enhancing and promoting safety leadership and safety culture.
- Emphasizing to drive the system efficiently.
- Raising company's awareness to have self-review of Occupational Health and Safety competency.

> Building safety culture **"Every life has value. Everyone must get home safe and sound, free from Occupational ILLness and Disease."**

SCGP has driven safe operating behaviors according to the Bradley Curve Model to promote Proactive Action for raising employees' awareness of safe conduct. Presently, SCGP employees are at the independent stage. It means they behave with care and careful-mindedness, including maintaining a safe working environment themselves, not just following the supervisor's rules or orders. SCGP aims towards the "Interdependent stage" of behavior that employees can safely help others on the teamwork. Promotional activities comprise :

- Activities to encourage the discovery of risk points and self-improvement (Site Inspection).
- The reporting of near-miss incidents to find the cause and lead to the prevention of recurrence incidents.



- Safety by natural instinct
- Compliance is the goal
- Delegate to safety manager
- Lack of management involvement

- Management commitment
- Condition of employment
- Fear/Discipline
- Rules/Procedure
- Supervisor control, emphasis, goals
- Value all people
- Training

- Personal Knowledge, Commitment & Standards
- Internalization
- Personal Value
- Care for Self
- Practice & Habits
- Individual Recognition

- Help others conform
- Being other's keeper
- Network contributor
- Care for others
- Organization Pride
- Use resources efficiently
- Appreciate the team's success
- Trust among the team

Source: DUPONT Bradley Curve

Transportation Safety

SCGP is committed to managing Transportation Safety and vehicle use to achieve the

> "Zero Road Accidents"

goal by raising and proceeding through "Safety standards in transport and use of vehicles" to ensure the highest safety to all company transportation-contractors and general road users.

Transportation Safety Management System

MANAGEMENT SYSTEM

- Select transportation businesses and monitor the activities.
- Evaluate and report the performance results.
- Create management commitment and involvement.

MAN - DRIVER MANAGEMENT

- Specify the driver's qualifications
- Provide driver training for developing skills, knowledge, and capability
- Define driving times and a rest break
- Check the readiness before driving

VEHICLE -TRUCK MANAGEMENT

- Specify trucks and carriers' specifications for company services.
- Conduct vehicle checkups and maintenance.
- Provide safety equipment or emergency tools necessary for safe driving.

ROAD - JOURNEY MANAGEMENT

- Assess Route Hazard.
- Monitor the driver's behavior during the transport via GPS.

EMERGENCY RESPONSE

- Prepare procedural steps and communication channel
- Provide emergency response drills for the drivers.

Product Safety Control

In addition, SCGP has the Product and Service Safety Control for customers and stakeholders' safe use by assessing the product safety risk impacts on safety, health, and environment throughout the product life cycle, including providing Product Safety Information for informing the stakeholders.

SAFE save

SAFEsave is SCGP's innovative Safety Management – Digital platform for conveniently supporting occupational health and safety operation and easily implemented to reduce complex workflows, data error from operators, and the lack of a centralized database for tracing back. The Engineering Division first conducted the trial and upscaled it to the SCGP Safety Digital Platform. In 2021, there is the development of SAFEsave by incorporating E-work permit and E-Safety audit function on this digital platform to improve the occupational health and safety operation with more ease of use and better efficiency.

Climate Resilience

Target

Net Zero
by
2050

GHG Emission Reduction
% by
20 **2030**
Comparde with base geaw 2020 both Thailand and abroad

Energy Consumption Reduction
% by
13 **2025**
compared with Business as usual (BAU) at the base year of 2007

Performance 2021

GHG Emission Reduction
%
2.4
Comparde with base geaw 2020 both Thailand and abroad

Energy Consumption Reduction
%
5.8
compared with Business as uaual (BAU) at the base year of 2007

Climate Change Resilience

The emerging COVID-19 pandemic during 2020-2021 has given a glimpse of the future as a new normal of energy consumption. Everyone is aware of global warming's severe climate change. The world is calling for tighter air pollution controls and international cooperation to help reduce greenhouse gas emissions by reducing fossil fuels, creating innovations in greenhouse gas absorption, and increasing more use of renewable energy. In 2021, SCGP announced its intention to achieve the Net Zero GHG by 2050, to control global temperature rise not to exceed 1.5 degrees Celsius under the Paris Agreement by consistent actively supervision and actions, according to international guidelines in all business units, to achieve the specified goals.

Strategy towards Net Zero (Net Zero)

01
Increase energy efficiency by utilizing the best available technology to improve and upgrade equipment for achieving higher energy efficiency.

02
Increase the share of renewable energy and clean energy sources such as biomass fuel, biogas, solar energy to replace fossil fuels.

03
Produce low-carbon products according to the Circular Economy principles with low-carbon production methods throughout the supply chain.

04
Study "the Carbon Capture, Utilization, and Storage: CCUS technologies" in cooperation with national and international organizations to enhance specific future technology into concrete actions with a higher level of use.

05
Promote Natural Climate Solutions by supporting and cooperating with communities, organizations, and governments involved in forest protection and terrestrial forest ecosystem restoration to preserve biodiversity by continually planting trees to increase their capacity to absorb carbon dioxide and release oxygen into the atmosphere.

06
Apply economic tools to enhance greenhouse gas emissions reduction within the organization.

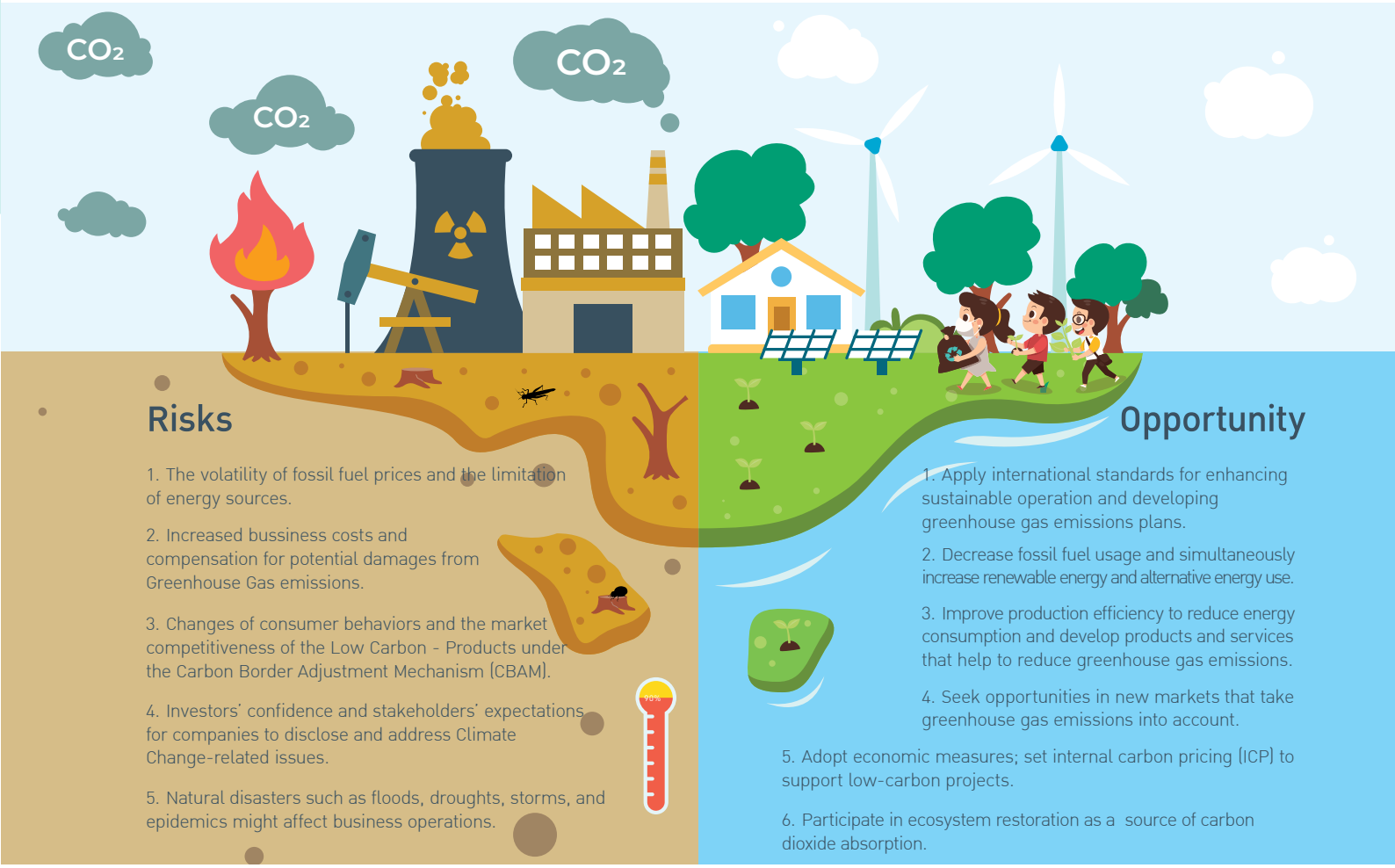
Kitti Wiwatbawornwong
Director - Energy Division, Siam Kraft Industries Co. Ltd,
Chairman of Energy and Climate Change Committee – SCGP

described how to respond and deal with climate change issues with crucial strategies such as increasing the use of renewable energy and clean energy, improving and upgrading machine efficiency, and studying the best available carbon sequestration technology and reduce GHG emissions.

"Though operation to produce products is important, the operation to cope with Global Warming issues is also critical. We must allow both actions to perform simultaneously to achieve High Efficient Production with the Least Impact on Climate Change."

"We have clear policies and strategies to reduce energy consumption and greenhouse gases emission throughout the supply chain, including environmentally friendly - production processes and utilizing best available technology to reduce energy consumption and waste generation. We need cooperation from all function starting from the excutive level to the operational level that must clearly understand and be aware of the Climate crisis for driving and cooperating to solve the Global Warming issues."

Challenges and Opportunities of Climate Change Resilience



Risks

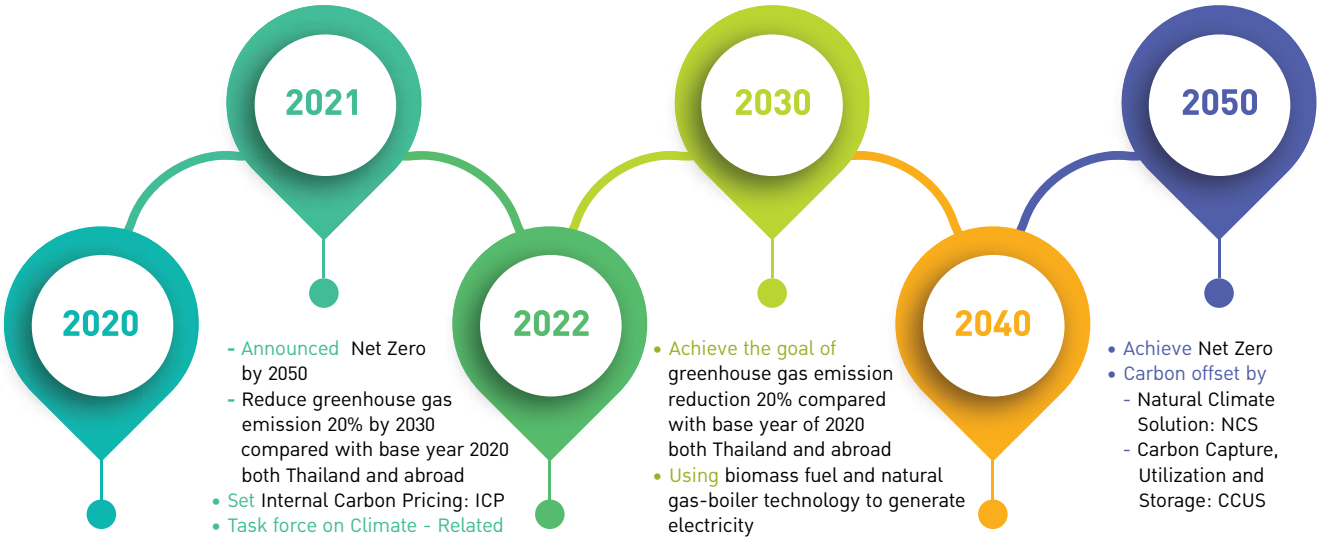
1. The volatility of fossil fuel prices and the limitation of energy sources.
2. Increased bussiness costs and compensation for potential damages from Greenhouse Gas emissions.
3. Changes of consumer behaviors and the market competitiveness of the Low Carbon - Products under the Carbon Border Adjustment Mechanism (CBAM).
4. Investors' confidence and stakeholders' expectations for companies to disclose and address Climate Change-related issues.
5. Natural disasters such as floods, droughts, storms, and epidemics might affect business operations.

Opportunity

1. Apply international standards for enhancing sustainable operation and developing greenhouse gas emissions plans.
2. Decrease fossil fuel usage and simultaneously increase renewable energy and alternative energy use.
3. Improve production efficiency to reduce energy consumption and develop products and services that help to reduce greenhouse gas emissions.
4. Seek opportunities in new markets that take greenhouse gas emissions into account.
5. Adopt economic measures; set internal carbon pricing (ICP) to support low-carbon projects.
6. Participate in ecosystem restoration as a source of carbon dioxide absorption.

Energy management and Greenhouse gas reduction towards Net Zero.

SCGP recognizes that climate change affecting the increased world temperature issue is critical. It is challenging, impacts business operations, and needs cooperation with all sectors. The Board of Directors and the top management pay attention to supervise and follow up the performance for achieving the specified targets through the Climate Change and Energy Committee comprising representatives from every business to drive the policy into actual actions, follow up and evaluate performance together in the quarterly meetings. The Actual Performances and Strategic Plans for reducing greenhouse gas emissions and energy management are as follows:



- Announced Sustainability Goals.
- Achieved the goal of GHG Emission Reduction 12.8% from the reduction target of 10% compared with Business as usual (BAU) at the base year of 2007

- Announced Net Zero by 2050
- Reduce greenhouse gas emission 20% by 2030 compared with base year 2020 both Thailand and abroad
- Set Internal Carbon Pricing: ICP
- Task force on Climate - Related Financial Disclosure (TCFD)

- Expand the use of biogas fuel, and solar power
- Report on greenhouse gas emissions. scope 3

- Achieve the goal of greenhouse gas emission reduction 20% compared with base year of 2020 both Thailand and abroad
- Using biomass fuel and natural gas-boiler technology to generate electricity
- Improving biomass quality by adopting Torrefaction Technology

- Increase the proportion of renewable energy use by 80%

- Achieve Net Zero
- Carbon offset by
  - Natural Climate Solution: NCS
  - Carbon Capture, Utilization and Storage: CCUS

SCGP'S GHG ROADMAP

Performance and Greenhouse Gas Emissions - Reduction

Renewable Energy Use

• SCGP attaches great importance to solar power because It is clean energy. In 2021, SCGP kept expanding the solar rooftop project at the factories of Thai Containers Group Co.,Ltd. (Nava Nakorn and Kamphaeng Phet). Thus, SCGP has a total solar power generation capacity of 11.78 MWp reducing greenhouse gas emissions of 8,757 tons CO_2 equivalent per year.

• SCGP has used biomass energy by transforming agricultural leftovers into alternative fuel for power plants and purchasing sugarcane leaves from farmers in Kanchanaburi, Ratchaburi, Suphan Buri, and Phetchaburi Provinces as alternative fuels. In 2021, SCGP Increased the biomass consumption ratio to 6.7% per year (327,720 tons/year) and reduced greenhouse gas emissions even more to 277,440 tons CO_2 equivalent per year. These outcomes were from purchasing sugarcane leaves from farmers and improving machinery for continuously using biomass fuel.

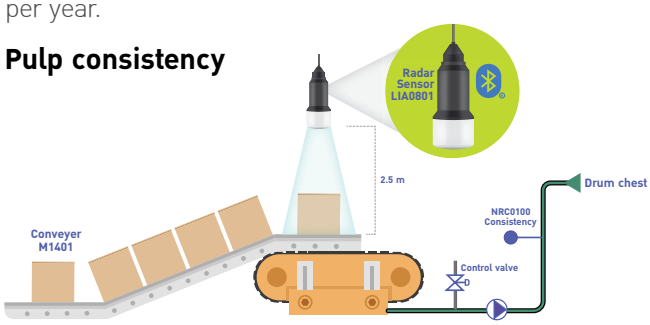
Digital technology to improve energy efficiency.

• In 2021, Siam Kraft Industry Co., Ltd. (Ban Pong and Wang Sala) developed an Online - Airflow measurement through Data Analytics at the Dryer Part. It has helped replace the operator's work to measure the airflow by themselves, usually taking up to 4 hours. The benefits gained were adjusting and optimizing the system more quickly, reducing thermal energy consumption by 37,344 gigajoules per year and reduced greenhouse gas emissions by 4,061 tons CO_2 equivalent per year.

Hood air & Ventilation Balance Controlling system at Paper Machines no. 17, 5, 7, 8, 9

- Siam Kraft Factory (Wangsala Waste) developed a Radar Sensor with a program to control the speed of the belt conveyor before releasing wastepaper- bales into the pulper. It helps maintain the Pulp Consistency more stable, reduced electricity consumption by 3,500,000 kilowatt-hours/year, and reduced greenhouse gas emissions by 2,882 tons CO_2 equivalent per year.

Pulp consistency



Automatic on-off program for Aerated Effluent treatment system for energy saving

Siam Kraft Industry Co., Ltd.(Wang Sala) developed a program to automatically on-off control the Aerated Effluent treatment system based on real-time effluent quality measurement. It could enhance effective energy use while reducing the electricity consumption of turning on and off the system by 963,600 kilowatt-hours/year and reducing greenhouse gas emissions by 819 tons of carbon dioxide equivalent per year.

A Project study on technology to increase the appropriate usage of biomass fuel

SCGP: Innovation and Product Development Center (IPDC) has studied the Torrefaction Technology for various types of biomass such as wood chips, sugarcane leaves, rice straws, rice husks, veneers, pulp sludge, paper sludge, and palm kernel shell, aiming to increase biomass usage without fouling and corrosion problems in the boilers. The work done in laboratory in 2021 showed promising results revealing the similarity of the torrefied biomass to coal. In the following year, IPDC will pursue pilot-scale torrefaction and combustion in order to maximize torresfied biomass usage without boiler modifications. The ultimate target of this project is to reduce fossil fuel usage leading to the SCGP's Net zero goal.

Restoring forest areas as a source of Carbon Dioxide absorption

In 2021, SCGP organized forestation activities with government agencies and communities to have forestry as a source of Carbon Dioxide absorption, which is the cause of global warming, and also to conserve the biodiversity under the "Plant the tree to save the world" Project Including other planting tree projects, both internal and external of factory's proximity totaling 55,315 planted trees. Siam Forestry Company Limited has piloted Sustainable Forest Restoration in the conservation area of Kampaengphet Plantation project requesting the registration of the T-VER Project, totaling 684.4 rai, with a base-case CO_2 sequestration amount of 14,315 tons CO_2 equivalent.

Collaborate with related businesses, communities, organizations, and governments to create awareness of Energy Conservation and Climate Resilience Response

SCGP, collaborate with The Creagy Company Limited and Thailand Greenhouse Gas Management Organization (Public Organization), studied and developed an economic mechanism for determining Internal Carbon Pricing: ICP. SCGP has applied the principles to get the most reasonable price to support the Company's environmentally friendly projects. The Project has created sustainable investment opportunities and benefits to organizations in managing climate change risks, including reducing greenhouse gas emissions - the significant cause of global warming.


Certificate of Appreciation

Presented to

SCG Packaging Public Company Limited

SCGP

SCGP received a Certificate of Appreciation for joining the Thailand Voluntary Emission Reduction Program: T-VER

Water Stewardship

6 CLEAN WATER AND SANITATION
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
17 PARTNERSHIPS FOR THE GOALS

Target

Reduce water withdrawal

35 %

within

2025

compared with business as usual (BAU) at the base year of 2014

Performance 2021

Reduce water withdrawal

26.3 %

in

2021

compared with business as usual (BAU) at the base year of 2014

The proportion of recycled water

14.2 %

The proportion of recycled water

Surface water	Underground water	Tap water
51 %	43 %	6 %

Water withdrawal usage

0.64 million cubic meters per sales revenue at billion baht

Water Management

Water is an essential resource for SCGP's business operations. Regarding the use of water resources with the most value and most significant benefit, SCGP has applied the 3R principle to improve the production process to reduce the amount of water, reuse, and recycle the water used in the production process, including the restoration of the natural water resources. To discharge water to public sources, SCGP strictly complies with laws & regulations to prevent any impact on the envrionment or communities. Especially in today's climate change conditions, which has a significant effect on water management, such as unseasonal and erratic rainfall patterns, no rains at the headwater area, depletetion of water volume in the dams. Coupled with the demand of water consumption due to the increasing trend of the world's population creates a water shortage in the manufacturing process and nearby communities. SCGP is committed to leveraging the capability to manage the water through the Integrated Water Management Working Team comprising of representatives from every business to formulate a strategy to address water-related risks and water usage efficiency. There is a function unit for water-related risks – monitoring, working with the government and industry sectors, with digital technology adoption, and creating innovation to increase water usage efficiency in the production process and reuse the treated water.

Strategy

01 Water-related risk mitigation through integrated water resources management.

02 Increase water usage efficiency in production processes and products.

03 Treat the effluent to meet quality standards, monitor, measure the effluent and its quality, report on the effluent issues, incident investigation, corrective action, and reduce effluent.

04 Bring the recycled water after treatment to be used.

05 Capability building of the person who is involved in water management.

06 Rehabilitate the water sources' ecosystems and support water to communities and agriculture.

Integrated Water Withdrawal Reduction

SCGP has reviewed the selection of water quality and quantity suitable for production process in consideration of water withdrawal and the proportion of water consumption from external sources such as groundwater, surface water, and tap water. Also, the economic factor that affects the cost of production is taken into account.

SCGP has invested in technology to reduce the amount of water used in the production process and circulate water used in the production process to be reused and recycled. There are such technologies as installing and improving water filtration systems (SAVEALL/PETEX), installing high-efficiency machine cleaning equipment to replace the old system, to reduce the use of cleaning water. Including the selection of machinery that uses the minimum water technology.

REDUCE
reduce water utilization in production process

REUSE, RECYCLE
reuse ond recycle water in production process

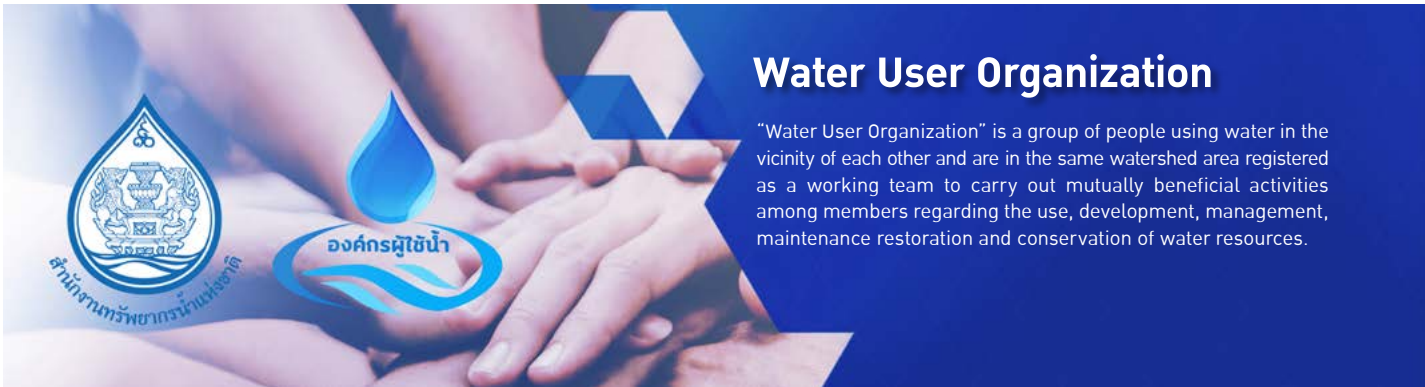
Water-Related Risks Assessment by Digital Technology

SCGP has a Business Continuity Management (BCM) function with a critical task to assess all water-related risk situations, either flooding or drought conditions, in all areas where SCGP operates. The BCM 's missions are to determine the preventive measures and set timely mitigation actions to avoid problems in the production process and with stakeholders, including using a digital system – the Early Wardning System (EWS) connecting Application Programming Interface (API) with the Power BI to monitor, assess and create water situaltion dashboard. The Power BI monitors water usage situation in business, connected with essential information from various country sources, such as the Royal Irrigation Department, the Meteorological Department, Pollution Control Department, etc.

In 2021, SCGP introduced disaster reduction measures of the United Nations Office for Disaster Risk Reduction: UNISDR, with SENDAI Target Champion Goal no.7 on implementing the Early Warning Systems (Disaster risk information and assessment to people by 2030). The BCM aims to turn all measures into actual actions to warn against various disasters, including water-related risks. The BCM's goal is to expand the scope of the Early Warning Systems from the business to the communities both nationally and internationally to create disasters awareness.

Establishment of Water User Organization and River Basin Committee according to the Water Resources Act B.E. 2561

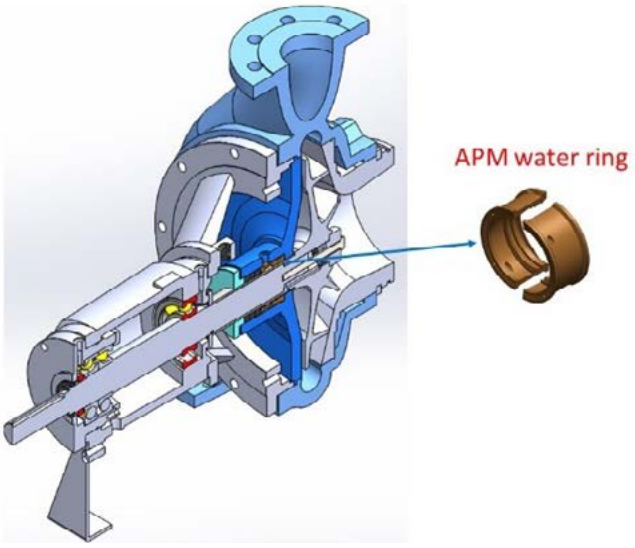
The Water Resources Act B.E. 2561, effective from January 27, 2019, encourages all governmental, private, and public sectors to integrate their work to drive the water missions. The mission comprises the usage, development, management, maintenance, restoration, and conservation of water resources in the same direction, covering all dimensions to balance, sustain, and genuinely reflect all sectors' participation processes. SCGP executives selected by the Federation of Thai Industries have joined this water-user organization to help achieve the set objectives of water resource management and people's livelihoods under the supervision of the National Water Resources Board. SCGP and business partners are involved in the five major river basins, namely the Mae Klong River Basin, East Coast Basin, Bang Pakong River Basin, Chi River Basin, and Tha Chin River Basin.



Strive to develop innovation

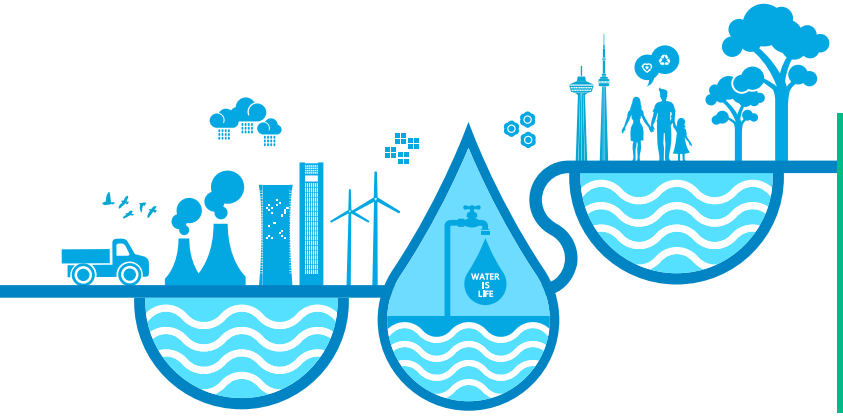
to preserve water resources by reducing sealing water from Machines or equipment using packing seals such as pumps and agitators.

SCGP provides knowledge and understanding to employees, always puts high importance on the water to business, and sets water KPI target so that employees are committed to creating innovation continually.
The example of continuous and innovative improvement is the maintenance operators often encountered the problem of sealing water leakage at the water pump using the original packing seal system that caused the water to leak out due to its corrosion. Therefore, an APM Water Ring was developed and used in couple with a packing seal. This could reduce the water loss by 80% and improve water pump efficiency. Therefore, the successful results have expanded to various factories in SCGP, which can save a total of 1.4 million cubic meters of water per year. Currently, this innovation is in the process of applying for a petty patent.



Water Circulation for Community

SCGP managed the agricultural project's water circulation by supplying treated water with the quality as specified standards from the mill to the farming areas of communities nearby. In 2021, SCGP distributed 3.8 million cubic meters of treated water to the farming area, vegetable farm, cornfields, and sugar cane in Ratchaburi and Kanchanaburi Provinces totaling 3,850 rai (1522.17 acres). This project helped reduce the water shortage problem in cultivation, increase the productivity of growing rice fields from 1 cycle to 2 cycles per year, and consistently increase farmers' income.



Forestry and Biodiversity

Target

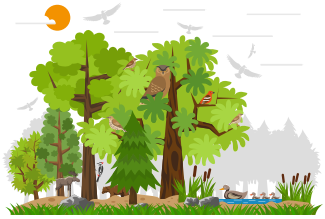
Having biodiversity conservation area certified by FSC™ standard at least
10 % of agroforestry area.

Having biodiversity conservation area certified by FSC™ standard
3,000 rai.

Performance 2021

Having biodiversity conservation area certified by FSC™ standard at least
12.9 % of agroforestry area.

Having biodiversity conservation area certified by FSC™ standard
3,542 rai.



Forestry and Biodiversity

SCGP has a strong determination to maintain the balance of the ecosystem by managing biodiversity and ecosystems according to the community's use and conservation. SCGP has applied international indicators to benchmark the operations, intending to be an organizational role model in biodiversity conservation under the concept of business, community, environment, sustainable coexistence, including creating a positive ecological balance in all involved processes.

Strategy

01
Sustainable management of biodiversity benchmarked to international indicators.

02
Be a role model of biodiversity conservation and extend the effort to other areas.

03
Engage communities and stakeholders on the cause of biodiversity conservation.

04
Manage the use of community forest areas with participation under the principles of the Community Forest Areas.

Opportunities and Challenges

Regarding Forestry and Biodiversity Management, there are two challenges in agricultural and forest ecosystems:

- The severity of diseases and insects in agricultural pests increases, including emerging diseases. When ecosystem conditions change, plants without adaptation cannot survive.
- The ecosystems of some forest societies may be lost and replaced with the increasing invasion of agriculture.

However, if agricultural and forest ecosystem services are well-managed, the opportunity and benefits gained are the diverse ecosystems and more sources of Carbon dioxide absorber.

Biodiversity Management

SCGP has a Sustainable Forestry Management Committee responsible for formulating policies, setting objectives, and goals of sustainable Forestry operations, by overseeing and monitoring afforestation under the Forest Stewardship Council: FSC standards. The Committee aims to create "Positive Ecological Balance" in all involved processes and cooperate with government agencies and the Royal Forest Department to support community forest activities. The activities were public relations and knowledge to the community on compliance and international standards and SCGP's ecosystem and biodiversity conservation operations.

In 2020, the Biodiversity Research Center assessed SCGP's conservation forest in Kamphaeng Phet plantation totaling 934 rai. They were rated as high conservation value area: HCV level 5 the Basic needs or Community needs, referring to an accessible area to utilize wild and non-timber forest products (NTFPs) for villagers in 12 communities nearby with more than 1,500 houses. So It has been a vital resource that provides ecology service to the communities. In 2021, the Company set up a Management and Follow-up activity Plan, such as creating permanent plot data to monitor long-term ecosystems with continuous monitoring and evaluating with the cooperation between employees of Siam Forestry and villagers in the community.

SCAN ME

For more information on
High Conservation Value Area: HCV

Eucalyptus Plantation

In 2021, SCGP had an agroforestry area for Eucalyptus cultivation used in the pulping process of 27,938 rai, according to Forest Management: FSC-FM; the area utilized for forest cultivation must not be in or adjacent to national forest conservations or biodiversity areas.
In 2020, SCGP declared the intention to join the Forest Stewardship Council (FSC™) network of which objective regarding mixing woods from the sources with categories listed below:

01
No Illegal logging or the trade in illegal wood or forest products;

02
No Violation of traditional and human rights in forestry operations:

03
No Destruction of high conservation values (HCVs) in forestry operations:

04
No Significant conservation of forests converted to plantations or non-forest use;

05
No Introduction of genetically modified organisms in forestry operations.

The proportion of SCGP forestry products certified by the FSC standard;

FSC-COC
License Code FSC™ - C135609 100 %

FSC-FM
License Code FSC™ - C012207 35 %

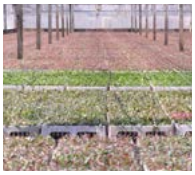
Innovation of Eucalyptus Species Propagation to increase productivity in the agroforestry

SCGP has studied and researched Eucalyptus cultivation suitable for specific planting areas to increase productivity in the economic forest plantation and be used as a fiber raw material in SCGP businesses. Each species of Eucalyptus has different characteristics; for example, Camaldulensis has drought-tolerant, suitable for the weather conditions in Thailand, Urophylla, a high yield of wood and pulp, and Pellita, well resistant to diseases and insects.


Quality stock plant - selection from the hybrid test- plot.


Tree cuttings operation for increasing young shoots.


Inoculate the plantlets for increasing the plant shoots and roots.


Transfer plantlets to be inoculated in the nursery

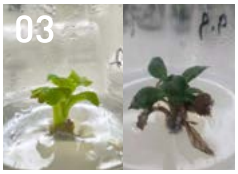

Transfer plantlets to the drying pavement

Innovation for Storing and Expanding the Native Species Genetics

SCGP has successfully applied knowledge and technology regarding the expansion of plant genetics, such as teak with tissue culture - propagation - technology. This project has helped restore the area much greener, including conserved biodiversity and ecosystems in the protected forest areas to be a good source of carbon dioxide absorption.

Plant shoots cutting-operation from quality stock plants

Transfer shoots cuttings inoculated in aseptic units.



Inoculate the plantlets for increasing the plant shoots and roots.

Transfer the tree cuttings to grow in black bags

Transfer the plantlets to grow in the Conservation Forest.

Supply Chain Stewardship

Target

90 % of procurement value from suppliers with a commitment to comply with the SCGP 's Supplier Code of Conduct.

100% of supplier in procurement spend passed the annual Environment, Social, and Governance (ESG) risk assessment.

100% of operation contractors certified under SCG Contractor Certification System: SCS

Performance 2021

The total number of business partners operating in 2021 totaled **2,580**

90 % of procurement value from suppliers with a commitment to comply with the SCGP 's Supplier Code of Conduct.

100 % of suppliers in procurement spend passed the annual Environmental, Social, and Governance (ESG) risk assessment.

0 Suppliers of High Sustainability risk.

7 Critical Supplier were audited, representing **100%** of all critical supplier

100 % of operation contractors certified under SCG Contractor Certification System: SCS.

145 transportation contractors certified as major transportation contractors, representing **100%** of all major transportation contractors.

The ratio of procurement spending on environmentally friendly products accounted for **11 %** of total procurement purchased, **16** products

96 % of employees in the supply and purchasing function had training on the ESG knowledge

Creating Sustainable Value for Business Partners

The business partner is crucial in creating economic value and growing together towards sustainability based on Good Corporate Governance. Throughout SCGP's supply chain, the business partners comprise various manufacturers, service providers, and distributors. Thus, SCGP correctly selects the potential business partners with the set criteria such as ethical business conduct, delivering product and services as agreed in terms of quantity, quality, punctuality, compliance with the laws, environmental friendliness, and prevention of accidents for the safety of life and property. SCGP, therefore, carefully selects business partners and creates partnerships to enhance their potential for mutual sustainability growth in terms of Environmental, Social, and Good Governance: ESG.

Strategy

01 Select and assess suppliers with capability in sustainable business conduct.

02 Conduct risk assessment and supplier segmentation to formulate strategy and supplier development plan corresponding with the risks.

03 Develop and advance supplier's capability towards sustainability.

04 Raise awareness and enhance employee's competency for efficient Procurement.

Management

1. Conduct risk assessment and certify all suppliers annually and continually, applying enterprise risk management framework covering environmental, Social, and Governance issues and spend analysis.
2. Segment supplier into 4 groups: general tier 1 supplier; critical supplier; high - Potential sustainability (ESG) risk supplier, and critical non-tier 1 supplier.
3. Formulate supplier development and capability enhancement plan for consistency and efficiency.
4. Establish a Competency Management Committee to oversee the development of personnel capability in the purchasing, warehousing, and logistic functions, including sharing knowledge, information, and best practices with purchasing organizations in the public and private sectors.

Fairly Treat Business Partners for Keeping Business Growth Based on the Merits of Good Corporate Governance.

Hygienic Dimension

Amid the Coronavirus COVID – 19 crisis in 2021, SCGP and business partners increased their cooperations to maintain continuous production to serve the customers' needs due to the rising demand for packaging. During the crisis-affected by government measures, the limitation of business operations was the surveillance and control of the Coronavirus COVID-19 pandemic in each province, such as the lockdown, curfew, or the necessity to show the results of the infectious disease testing, etc. These measures for accessing factories needed adequate provision for immediate response. SCGP paid great attention to these issues with awareness of the business partner – value in building a business together. Therefore, SCGP provided areas in the factory for work or the isolation zone as accommodation for infected business partners, including the COVID-19 Antigen Test Kit (ATK) for a periodic examination free of charge to ensure safe operations of both parties.

Economic Dimension

The COVID-19 pandemic resulted in an economic recession, causing SME entrepreneurs to have lower sales and lack liquidity and working capital. SCGP realized the situation and wanted to maintain the supply chain as well. Partially, it was the results of their business partners extending or prolonging the trade loan and the credit term repayment period. Therefore, SCGP encouraged SCGP's SME partners to continue their business without any financial liquidity problems by issuing a remediation measure to reduce the credit term to allow business partners to increase the working capital faster.

Environmental Dimension

Concerns and considerations for the environmental impacts caused by the company's operations or business partners are always in SCGP's precautions and has taken environmental issues in setting goals and measures for reducing such impacts with social responsibility awareness.

Promote the Use of B10 Diesel as the Base Diesel Replacing B7

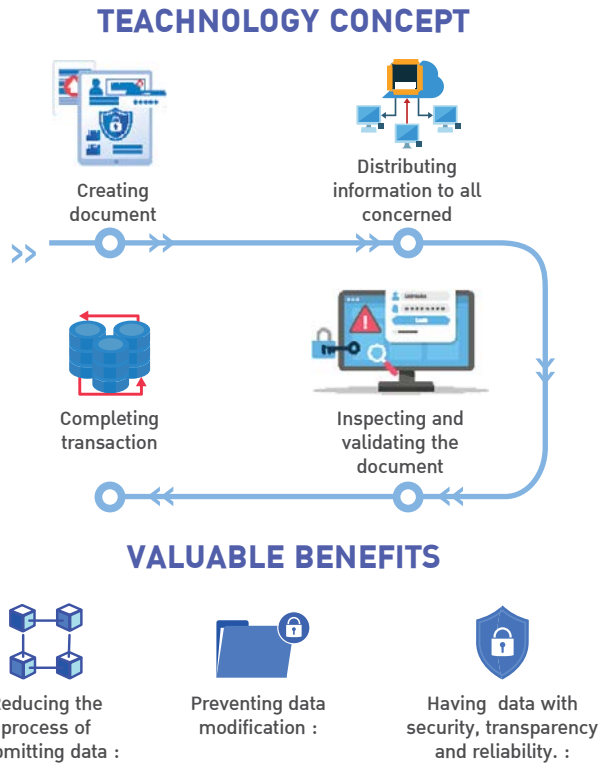
To support the Ministry of Energy's policy on renewable energy for the nation's energy security, SCGP encouraged business partners to replace fleet backhaul - fuel from biodiesel type B7 to B10. Therefore, The company incorporated the fuel replacement as a condition of purchasing and extending agreement time of doing business together to enable transportation contractors to prepare fleet backhauls ready to use B10 diesel. The environmental measures included in these purchasing terms are beneficial to the country and society at large. It helps support crude palm oil prices while assisting local farmers in growing oil palms. Besides, it helps reduce the amount of PM 2.5 dust from truck smoke, resulting in much cleaner air. In conclusion, this better environment improves public health with less imported crude oil to meet the government's biodiesel renewable energy policy.

Rail Transportation

In transporting the baled waste paper typically with large volume and heavyweight, from the starting point, Lad Krabang District in Bangkok directly to the recycling waste plants in Ratchaburi and Kanchanaburi Provinces, SCGP has used the rail transport in parallel with truck transportation. The consideration factors are price, time, reliability, and the least environmentally polluting transport method due to less traffic and minimal waiting time with the assurance of delivery time. In 2021, there were 151,961 tons of baled paper transported in 6,607 train containers.

Innovative Digital Blockchain to Raise the Level of Procurement Process the "B2P."

SCGP has adopted digital Blockchain Technology to raise the level process of Procure-to-Pay ("B2P"). The platform helps the procurement-billing-payment process's efficiency by decreasing the processing time, cost reduction per item, and enabling more streamlined production for employees. SCGP and over a thousand business partners have used the platform for managing purchase orders of raw materials, supplies, spare parts, and services. Not only does Blockchain Technology ensure the procure–to–pay reliability, but it also connects the involved parties in the entire network to develop an efficient ecosystem with high security. After all, each purchase is securely encrypted for security and transparency because the system can automatically and accurately check transactions at various points. In this "B2P" operation, SCGP partners can get money payments immediately when the billings get approved in the B2P system. They can increase working capital by using invoice financing applied at the Banks in the ecosystem to support a lower-interest credit than the overdraft (OD) loan interest.



Business Spend Managent Platform (BSM) :

In 2021, SCGP started implementing the Business Expense Management (BSM) on the Coupa Platform, a global platform with cloud connecting organizations and more than four million manufacturers worldwide. It enabled companies to oversee the controlling of the company spending. Connection of the related work processes helped increase purchasing from Thailand to the ASEAN region. The obtained connecting information enhanced the cost advantage and increased efficiency in procurement benefting to SCGP's business partners to expand their business on the global platform.

Employee Caring and Human Capital Development

Target

- **100**% of employees in Thailand receive the Competency Assessment and have an Individual Development Plan (IDP) on the Blended Learning 70-20-10 approach.
- Extend the competency development system and the blended-learning performance results to employees in Thailand and the countries where SCGP operates to develop employees at critical positions according to their succession planning.
- Create career ownership in the talent group in Thailand by allowing them to design their career path and self-development scheme according to the specified career planning.
- Develop Transformative Leaders and Subject Matter Experts (SMEs) to support SCGP's business expansion in the future, approximately three times the number of the increased workforce.
- The Employee Engagement Rate domestic and overseas is **78**%.

Performance 2021

- The expense of employee - Training and Development in both domestic and overseas totaled **146** million baht.
- Shift the classroom training to online and e-learning during COVID-19 to create continuous learning with an average of **1.77** training days per employee (excluding e-learning).
- The Employee Engagement Rate was **76**% based on the total number of employees in domestic and overseas

SCGP realizes the rapid changes in technology and all business factors. Therefore, the company implements a competency-based system to plan employee - development and employee - growth by defining the critical competencies, knowledge, functional competency, and leadership competency that support business operations for employees in various positions. Also, SCGP implements the Blended Learning 70-20-10 to provide employees with knowledge and skills suitable for working efficiently and effectively, ready to adapt to current and future business changes. Regarding measuring the learning achievement, the proportion of 10% is from theory, 20% from an expert's discussion or advice, and 70% from actual practice or doing the project.

Management

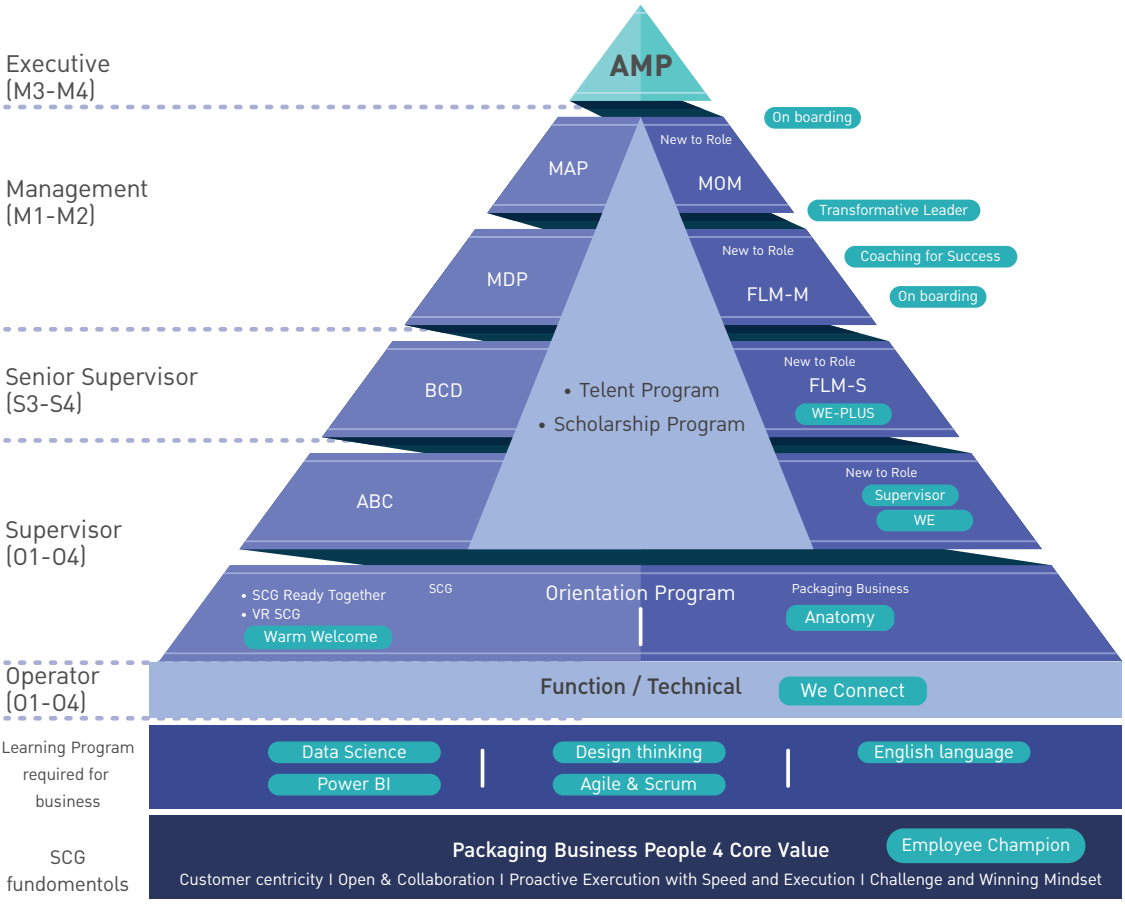
SCGP has appointed a committee and departments responsible for employee - learning, including supervisors at all levels to ensure employee- competency development in line with the business growth.

Strategy 2022

- Implement the competency development system to evaluate employee competencies and develop employee performances, including career planning, to help the business grow and compete.
- Create opportunities for employees' growth and advancement domestically and internationally through the Learning and Development Program, Succession Planning, and Career Development.
- SCGP leadership development includes:
  - Develop SCGP leaders with attitudes, knowledge, and abilities to develop subordinates having more potential according to the approach of 70-20-10:
    - 10 – Classroom training
    - 20 – Coaching, mentoring, performance dialogue, reverse mentor
    - 70 – Assigned projects for development or actual implementation.
  - Assess the knowledge and leadership competency every year to find areas of improvement:
    - Core Value Leadership; the ability to lead and drive the value creation, and the organizational culture (Unbounded Way).
    - Talent Leadership; the potential and ability to be a future leader.
    - Role-Based Leadership; the abilities that leaders must possess based on their roles.
- Ensure the employee-caring thoroughly and equitably for creating the organizational engagement.

Employee Development to Support the Business Expansion

- There was SCGP's employee development framework, an integrated system of the Competency Development Program (CDP), the Performance Management System (PMS), and SCGP Excellence Training Center – (SPEC) to equip employees with the skills and competencies ready for their careers growth.
- Emphasized developing employees' skills to cope with changes, be ready to meet customers' needs, and support business expansion by defining knowledge, Leadership Competency for employees at all levels. They are Customer & Consumer Centricity, Agility, Resilience, Diversity, Global Mindset & Perspective, and Technology & Digital Adaptability.
- Supported master's degree scholarships to employees for further study at leading universities worldwide, enabling employees to develop their potential in their fields of expertise or business administration leading to the highest value organizational creation. In 2021 there were a total of four scholarships awarded.
- Set up a system for employee development to ensure the continuity of business operations (the Succession Planning and Development) by creating a success profile specifying the necessary competency for effective and efficient work performance in a specific role.



Leadership Development

- There was a revision of knowledge, Leadership Competency aligned with SCGP vision, connected to the roles of leaders at each level. Leadership competency used as a criterion for assessing potential employees (talent) had helped identify the talented employees more clearly, resulting in the talent pools that could support and drive SCGP's business success.
- Defined leadership roles following explicit organizational culture and behaviors in responding to the level of work expectations and what the leaders must express in their daily work, including building an understanding of the roles, knowledge, and skills in leadership competency at the managerial level.
  - Engagement - leading the team - building engagement, inspiration, and teamwork
  - Imagination - leading the way – having a vision and building a team with a forward-looking to the big picture.
  - Execution - leading the acts - work development, driving success through activities and changes.

Talent Attraction and Retention in 2021

- Prepared the high-performance human resources (key talent) readiness for current and future SCGP business by expanding talent management to cover employees at the senior supervisor level, which was recognized SCGP's critical positions.
- Reviewed the performance appraisal of managerial levels to reflect their performances more clearly by adding on effort & collaboration factors as elements for consideration to encourage them to set goals and take on challenges, including building cooperation within the organization.
- Improved the job valuation system in the critical position to reflect the work importance in accordance with the organization's business operations, and to be used as basic information for human resource management in various dimensions, such as compensation management, learning development, and career management.

Organizational Commitment Survey in 2021

SCGP has continually surveyed employees' organizational commitments in Thailand and countries where SCGP has business operations in collaboration with Kincentric, a global consulting company specializing in corporate engagement and outstanding employers.

The recent survey results in 2021 show that

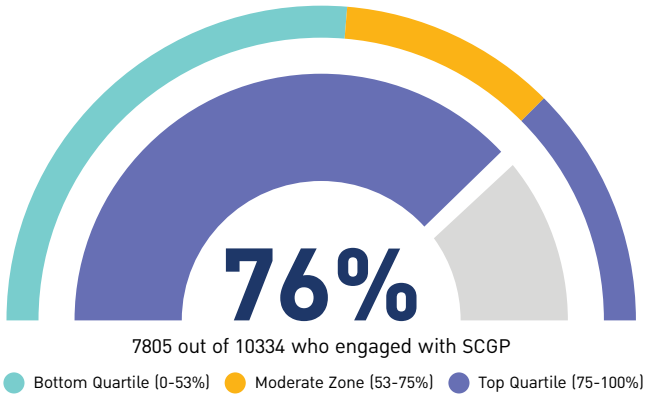
The average percentage of organizational commitment in SCGP is

76% of all respondents in domestic and overseas.

The number of employees with organizational commitment is

7,805 people.

The average percentage of organizational commitment in public companies is 68%.



Human Rights

Target

- Being a role model in human rights, both directly through business activities, and indirectly by providing support and encouraging business partners in the value chain, including joint-ventures to recognize, protect, and respect human rights in their business operations.
- **0** - case of human rights violation.
- **100**% of identified risks are well-managed through mitigation and preventive plans, and remediation actions.

Performance 2021

- **0** case of human rights violation.
- Employees took Ethics and Human Rights e-Testings and the passing rate was at **100**% score.
- **17.9**% of the female share of the total workforce, **21**% of females in all management functions
- Supported people with disabilities by hiring **27** people as permanent employees and promoted **49** people to pursue self-employment in their local communities.

Human Rights

SCGP has a solid core value to conduct business with ethics, adhering to responsibility toward society and all stakeholder-groups based on the SCGP's Good Corporate Governance and Human Rights Policy. SCGP has strictly complied with the laws and international principles, notably supporting and abiding by the United Nations Global Compact: UNGC and the International Labor Organization (ILO) Declaration on Fundamental Principles and Rights at Work. These are to ensure that SCGP's business operations shall not violate human rights in all business activities, including those involved throughout the business value chain for achieving business sustainability with proactive prevention of human rights and their impacts as well as raising the life quality of stakeholders and society from sustainable value creation. In 2021, SCGP joined the SCG - Human Rights and Stakeholder Engagement Working - Group intending to expand business operations domestically and internationally without human rights violations by creating engagement with all groups of stakeholders to build confidence and shared values.

- Forced Labor
- Human Trafficking
- Child Labor
- Freedom of Association
- Collective Bargaining Rights
- Fair Remuneration
- Discrimination

- Company Employee
- Woman
- Child
- Indigenous People
- Migrant Workers
- Third-Party Workers
- Local Community

- Building Stakeholders Engagement

- Whistleblowing System
- Ethics e-Testing
- Organizational Commitment Survey
- Governance Risk and Compliance

Human Rights

Identifying Human Rights - Risk Issues

Conducting risk assessment following Enterprise Risk Management covers industrial risk in relevant countries in all stakeholders and vulnerable groups;

- Forced Labor
- Human Trafficking
- Child Labor
- Freedom of Opinion and Association
- Equitable and Fair Remuneration
- Discrimination

Formulating Preventive and Mitigation Plans, And Remediation Actions

Building Stakeholders Engagement

- Company Employees
- Business Partners/ Suppliers
- Customers
- Local Communities
- Joint Ventures

Monitoring Results

- Whistleblowing System
- Ethics e-Testing
- Engagement Survey
- Governance Risk and Compliance

Communication

- Building Awareness, Providing Knowledge, and Understanding.
- Communicating with Internal and External Stakeholders.

Strategy

01 Integrate Human Rights, diversity and Inclusion into business operations across the value chain both in Thailand and abroad.

02 Faster value and initiate human rights programs for all stakeholders across the value chain.

Management Approach

01 Announce the policies on Human Rights, Diversity and Inclusion aligned with the United Nations Global Covenant: UNGC, International Standards, the International Labor Organization (ILO) Declaration on Fundamental Principles and Rights at Work, and international requirements, and drive policies into actual operations through the SCGP Sustainable Development Committee.

02 Establish a uniform framework of risk management for consistently conducting throughout the organization, and implement a comprehensive Human Rights Due Diligence Process by emphasizing the proactive actions to prevent the violations of Human Rights

Performance 2021

SCGP treats all employees according to SDG No. 5, gender equality by recognizing the value of individual dignity, treating all employees equally and indiscriminately, from the recruiting to retiring - the end of the employee status (Onboard to Offboard). SCGP has a Human Resource Management System taking care of employees in all dimensions, strictly complying with the laws, and continually raising the standard of employee caring beyond the regulations. SCGP's Human Resource Management depends on the employee level (Personal Level: PL) and employee competency without gender discrimination no matter in recruitment, employee development, and career path, including remuneration, benefits & welfare.

For example, in the case of Performance Appraisal and Salary Increase in the senior management group, the performance evaluation criteria, and the evaluation process, including the salary structure in considering salary adjustments, are clearly defined and written. This procedure is uniformly applicable to the same group/level of employees.

SCGP's implication towards Goal (SDG) No.5 Gender Equality is to achieve gender equality and empower women and girls domestically and internationally.

The foundation of SCGP's employee recruitment policy is from the "Belief in the value of the individual," which is one of the four core values that SCGP upholds. Thus, the recruiting process must be fair, transparent, and reflects the genuine capability and potential of the applicants towards SDG No. 5, the equality in recruitment with diversity in religion, age, ethnicity, gender, education to be used as a guideline both domestically and internationally through the committee system, including the emphasizing on knowledge and competency corresponding to the specified position. The recruiting process starts from selecting the application form, contacting the applicant, and conducting the committee's interview until becoming an employee. Such approaches can reduce the discrimination and bias against the applicants, resulting in obtaining a diverse workforce with the knowledge and competency as specified by the Company.

Ethics e-Testing

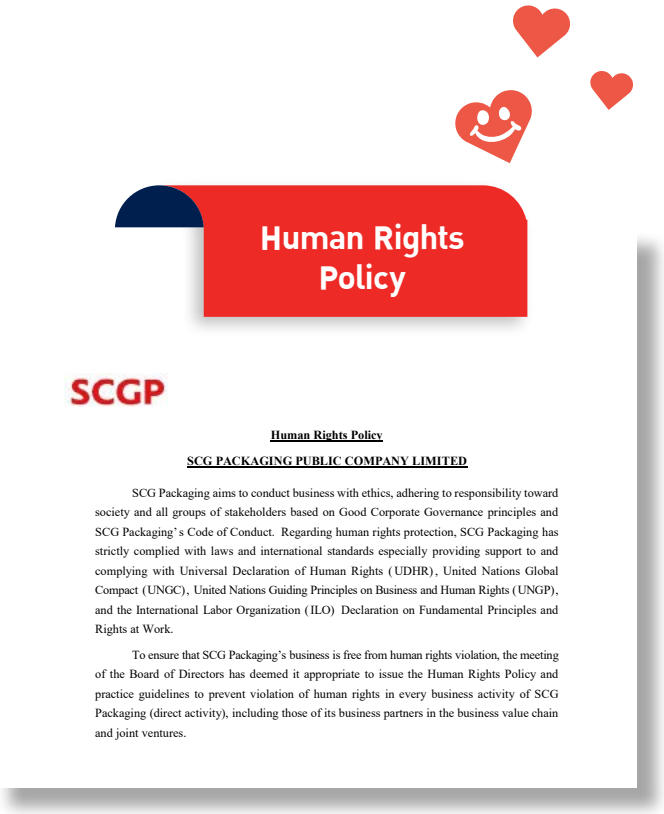
SCGP organized Ethic e-Testing to all Thai employees to test their knowledge and understanding of the various ethics and human rights aspects; human rights and labor, environment, health and safety, anti-corruption, trade competition, anti-money laundering. The testing objective is to raise awareness of these issues among employees and prevent a potential violation. All employees are required to pass the test by 100%.

In **2021** SCGP administered Ethics e- Testing for the seventh consecutive year

and the passing rate was **100** % score.

SDG No. 8 Decent Work and Economic Growth

SCGP's business practices emphasize the respect and acceptance of diversity and inclusion throughout the value chain, including frequently listening to the various perspective views from stakeholders, which is the beginning of a business's creativity and innovations. It is also a vital force driving the organizations to overcome multiple crises and grow together sustainably. According to SDG No. 8, Decent Work and Economic Growth, SCGP has promoted and supported people with disabilities to have a career and income by employing 27 as permanent employees and promoting 49 people to pursue self-employment in their local communities.



SCGP joined the SEDEX

The Sedex Members Ethical Trade Audit (SEDEX) is a global organization whose members are business organizations worldwide. It requires all members to comply with SEDEX standards in the four areas; labor standards, health and safety, business ethics, and environment applicable to the members' operations and business partners. Since 2019, SCGP companies have implemented SEDEX's regulations in treating employees and workers ethically throughout the system, both within the company and the entire value chain.

In **2021** companies in SCGP domestically and internationally wholely implemented SEDES's regulations and were assessed by external auditors;

11 companies of SCGP were accepted and became members of SEDEX.

It clearly indicated the SCGP's dedication to Human Rights implementation consistently.

Community Engagement and Development

Target

Community Satisfaction index

90 %

Performance 2021

Community Satisfaction index

89 %

Community Engagement and Development

SCGP conducts business with concern for social and community responsibility in parallel with the organizational development towards sustainability. As a part of the community development for a sustainable society, SCGP begins with building awareness and fostering people in the community, especially those surrounding SCGP's factories, to increase self-reliance continually. SCGP utilizes knowledge and expertise, including collaboration with other agencies to support the community growing together sustainably.

Strategy

01
Utilize both SCGP expertise and external specialization to care for society

02
Foster employee engagement with all relevant stakeholders to create sustainable value for society

03
Develop innovation that responds to the community's needs and solves social issues.

04
Develop a community model and scale up the model achievement to other community networks.

Community Satisfaction and Engagement Survey 2021

SCGP regularly conducts a community satisfaction survey every year. The objectives are to monitor the community development progress and listen to the community stakeholders' opinions for integrating their views into the company's operations. Also, to assess various collaborative activities and many precautions for analyzing and making an effective activity plan to meet the community's needs. The community development's goals are well-being creation, knowledge raising, and engagement in environmental protection to formulate the implementation plan for effectively responding to the community's needs to raise their satisfaction. This community satisfaction survey was full-scale research conducted by a leading national research company (Third Party) to ensure transparency and credibility of the research results.

In 2021 due to the COVID-19 pandemic in Thailand, conducting the **survey required a telephone** interview with people in the community surrounding the factories within a radius of 3-5 kilometers; they were

- community dwellers
- community leaders
- local government agencies
- nearby business groups

totally of 4,492 cases
within 5 SCGP factory proximity in Ratchaburi, Kanchanaburi, Prachinburi and Khon Kaen Provinces.
The survey period was
between 18 August – 19 September 2021

Community Satisfaction and Engagement Survey in 6 dimensions

Economic
Evaluate and conduct opinion surveys on professional learning and community development activities appropriate for the community in each area.

Environmental
urvey the potential environmental impacts on communities to systematically protect and develop the environment.

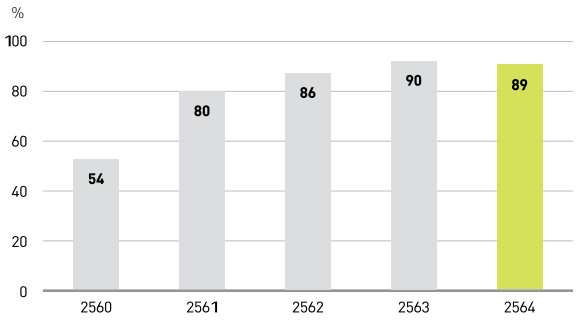
Social
Explore the community needs during the coronavirus COVID – 19 pandemic for personnel and resources preparedness in a timely response.

Physical
Explore the locations to install and repair equipment and public facilities for the community's health, learning, and safety.

Management
Explore channels and results of common opinions from the meetings for clear clarification.

Public Relations
Survey the understanding of the Company's initiatives, such as projects following the Circular Economy principles to create a good life for the community

The survey results are taken into account to determine the appropriate activities, monitored monthly in the Community Relations Committee.



The community satisfaction survey results in 5 areas in 2021 (Business Unusual) accounted for 89 percent from the target of 90 percent (Business Usual). However, the 2021 survey results were higher than the base year value of 2016 at 52 percent satisfaction.

The Corporate Social Responsibility Expense in 2021

alleviated the society suffering during the COVID-19 crisis, both domestically and internationally, and from the flood disaster in Thailand. SCGP donated the social innovations created by experienced SCGP innovators; SCGP could respond to prompt use and directly solve the problem with a design concept from the user's perspective.

SCGP continually donates money to support the "Education for the Future Program" every year. In 2021, there were 1,140 scholarships awarded, totaling 2,284,000 baht.

SCGP Field Hospital Bed
138,500 sets
135,800 sets
2,200 sets
500 sets

U-Space Paper Partition
500 pieces
100 pieces
2,200 pieces

Cure Air Sure mask
10,000 pieces
10,000 pieces

SCGP Paper Toilet
15,000 sets
15,000 sets

Corrugated Packaging for the sharing-boxes
15,000 pieces
5,000 pieces
10,000 pieces

Negative/Positive Pressure Isolation Chamber
14 units
8 units
6 units

Donation
300,000 baht
300,00 baht

Ban Pong Circular Economy Community Project

A District of Like (No) Garbage Project is a collaborative project of the three sectors, the government, the public, and the private, SCGP 's factory located in Ban Pong District. The factory has consistently supported the Corporate Social Responsibility projects for the factory's communities, including waste material management at Ban Rang Plub Community, and successfully received a national award from entering the Zero Waste Community Project contest of the Department of Environmental Quality Promotion in 2019 with efficient use of resources and the potential to transfer knowledge to other communities in Ban Pong District aligned with the Ban Pong District's plan of driving waste material management throughout the district.

SCGP has joined forces with Ban Pong District and the 17 local administrative organizations to expand the success of the waste material management project to other communities within Ban Pong District. By specifying "The project of driving the Municipal Waste Management Community Model in Ban Pong District." to study the practical examples from the Ban Rang Plub Community Model covering all 183 communities in the Bang Pong District within the year 2023.

This year's challenge was the COVID-19 pandemic that halted the learning at actual places as they did. The company had to adjust the communication channels and promote the knowledge through online media, including teaching the community to use VDO call - Zoom and Facebook Live to improve the meeting and presentation skills through online channels to adapt themselves to change and learn continuously.

- During the year 2019-2021, there were 58 model communities successfully developed throughout the project implementation, with an additional 17 communities in 2021. According to the plan, the project continues to expand to create 183 model communities throughout the district in 2023, also leveraging the model to other provinces where the SCGP's factories operate in Prachinburi, Kanchanaburi, and Khon Kaen Provinces, targeting 13 communities.
- The success of Community of Like (no) Garbage "Ban Pong Model" had been extended to Ban Nong Song Hong Community, Krub Yai Subdistrict, Ban Pong District, Rajaburi Province received the first prize from the national contest of Zero Waste Community Project in 2021 organized by the Department of Environmental Quality Promotion.

Bring Back Paper to the Factory

In collaborations with government agencies and educational institutions surrounding factories in Ratchaburi, Kanchanaburi, Prachinburi, and Khon Kaen Provinces, SCGP initiated a program to exchange the paper scraps in their offices with the new copier paper and returned the used paper scraps to the recycling process. It was a joint effort to raise awareness of the value of renewable resource management. In 2021, the company brought 220 tons of paper into the recycling process.


Circular Economy Project: Strengthening Social Enterprise.

The Weaving Handicrafts of Paper Band Project.

Naturally, there are waste materials in the paper-making process, so-called paper tape or paper band, with its significant properties: tough, durable, non-moldy, and natural colored. SCGP has co-studied with teachers, lecturers, and Kanchanaburi Rajabhat University to promote basketry handicrafts by reusing waste materials to the most cost-effective use following the Circular Economy principles. SCGP has helped increase the potential of students and communities around the factory in spending their time more valuable by promoting the basketry handicrafts to be the identity of each province, using paper tapes to weave into a variety of products since 2014. The products range from household items: baskets, trays, coasters, finger – traps, handbags, flower baskets, and gift boxes with further development of dyeing techniques to add value and aesthetic pleasure. SCGP also built a community learning center for knowledge transfer to sustain existing products and jointly developed distribution channels for export to foreign countries.

Delivered
5,100 kilograms of paper tape per year to the community.

Generated income for the community over
580,000 baht per year.

This project helps communities self-reliant from an increased household income by offering outstanding wicker products made of lightweight and durable materials that are by-products of the paper-making process.



In addition, SCGP has continually developed the Community - Promotional Occupations Learning Centers, totaling 28 centers in 2021, to strengthen community enterprises for a better quality of life from handicraft and agricultural work. SCGP has supported the communities with raw materials, seeds, workshops, sales distribution channels, and developing products to meet standards for export.

Total income of the community from SCGP occupation supporting activities

Baht million **16** in 5 significant areas

Environmental and Community Natural Preservation Project

"Conserving Water from Mountain to Mighty River" Project

SCGP has adopted the King Rama IX's initiatives on water management to restore the watershed forest by building check dams. The project's benefits helped preserve soil moisture, return the balance of the forest ecosystem, reduce the severity of wildfire, drought, and flooding, finally create happiness for the community. The project enables cultivating and raising awareness of the resources and forests' values for conserving the natural resources according to the sustainable development principle. SCGP joined forces with the communities and public sector in the vicinity of SCGP's factories. In 2021, SCGP still implemented the check dam project in SCGP's factories in Ratchaburi, Kanchanaburi, and Khon Kaen Provinces, totaling 570 check dams.

"Planting with Conservation Mind for Protecting the World Project."

SCGP realizes the value and contribution of trees as an essential absorber of carbon dioxide that causes global warming. Besides, the trees help restore and maintain the natural ecosystem balance also biodiversity.

In 2021, SCGP continued the reforestation activities under the project, namely "Plant with Rak (Conservation), Phitak (Protect) the Earth, on the auspicious occasion of His Majesty the King's birthday to express loyalty and gratitude and instill awareness of the importance of conservation and restoration of forest resources to all sectors. For planting as many trees as possible to add more green areas, SCGP is ready to campaign and support the transferred knowledge to build a network on environmental conservation by working together to protect the world from the global warming crisis.

Planting with Conservation Mind for Protecting the World Project in 2021

SCGP has reforestation activities all year round, totaling 44,300 trees from the planting target of 33,500 trees, representing the amount of carbon sink absorbing 3,460 tons*. SCGP is ready to transfer the planting knowledge for keeping trees surviving and growing sustainably to reduce Greenhouse gas emissions, aiming at limiting temperature increases to less than 1.5 degrees celcius by carbon sequestration from the atmosphere - under the Paris Agreement, including the Natural Climate Solution (NCS).

Note* *The tree's carbon sequestration values are based on data from Thailand Greenhouse Gas Management Organization (TGO) and Ocean science journal; Assessing Carbon Stock and Sequestration of the Tropical Seagrass Meadows in Indonesia, calculated at a 10-year tree growth period*

Environmental Management

Target

ZERO WASTE

Every Year - Zero waste from the production process in Thailand to landfill

Year **2025** reduction of waste disposal by incineration without energy recovery in Thailand,

100 % compared with the base year of 2014

Performance 2021

waste from the production process in Thailand to landfill.

0 tons

reduction of waste disposal by incineration without energy recovery in Thailand,

99.9 % compared with the base year of 2014

Environmental Management

SCGP recognizes that ensuring sustainable production and consumers' consumption is essential because SCGP's products significantly drive the country's economy and enhance people's well-being. Every SCGP business must strictly manage the resources used appropriately and incorporate environmental management measures, the management concept of 3R (Reduce, Reuse, Recycle), and the Circular Economy principles. From business planning, the decision-making for improving and developing the production process, to the innovation process, SCGP aims to reduce environmental impact throughout the supply chain by minimizing the chance of pollution occurring at the source, monitoring, tracing to prevent problems. Also, bringing raw materials - waste back into the production process for creating value-added products helps reduce the use of raw materials from natural resources, or finally use as alternative fuels. SCGP has various measures for safety and health workers, customers, and nearby communities with a solid mind of "Concern for Social Responsibility."

Strategy

01

Strive to reduce and eliminate waste generation at the source and set as the indicators for continual assessment.

03

Research and develop innovation to reuse, recycle raw material and waste or create value to waste by converting them to value-added products.

02

Manage industrial waste, hazardous and non-hazardous wastes at maximum within SCG and SCGP following the 3R and Circular Economy principles and using measures or standards issued by the government or world-class organizations aiming to perform beyond compliance.

Commitment to Waste Reduction Continually

SCGP - Vina Kraft Paper in Vietnam cooperates with business partners to replace the packaging containing chemicals from Intermediate Bulk Container (IBCs) to Flexi-Bags.

In general, there is a crucial step in the paper-making process to size paper surfaces with the sizing agent, so-called the sizing process, which helps increase the paper property in water-absorption prevention. At Vina Kraft, the turpentine sizing agent is used and delivered in plastic Intermediate Bulk Container (IBC) to the factory. The IBC is usually chemically contaminated after use and needs managing. However, there are problems with its size, inflexibility, and heavyweight. Therefore, the Company aims to reduce 1000 liter IBC that becomes waste after use with high handling costs. By reviewing the chemical delivery system into the production process, such as improving the pipe system and cooperating with business partners to replace the packaging for chemicals from the original IBC to Flexi-Bags. The turpentine in a Flexi-Bag is transported to the factory, taken to the storage tank connecting to the piping system, easily flowing into the production process. The replacement of IBC with Flexi-Bags helps the Company permanently manage the conventional IBC packaging by approximately 200 tanks per year.

> In addition to using a Flexi-bag for the benefits of Flexi-bag recycling, it helps reduce chemical contamination on the ground and increases safety in operation

discontinue using forklifts to move IBC tanks to higher floors for changing the IBC tank. Also, the operators can control the turpentine quantity in the storage tank at the volume of 45 m^3 more evenly and conveniently.

Fly Ash and Bottom Ash Management following Circular Economy Principles

The Automatic Block Machine in The Production Line

Nowadays, Thai Cane Paper Public Company Limited, Prachinburi factory produces steam and electricity using coal as fuel in the paper-making process. After the coal fuel combustion process, the residual leftover is in heavy ash (bottom ash) and light ash (fly ash). In general, the ash is disposed of by landfills. With the strong determination towards the zero-landfill goal of waste from the production process, the Prachin factory puts efforts into ash management in two ways: using it in construction block production and as industrial waste disposal treated in cement kilns.

In 2020, there was a project to install an Automatic Ash Block machine in the production line. The project consisted of the area – and - buildings improvement for installing the machinery, storing ash blocks, and installing other equipment to assemble the ash block production line as Storage Cement Tanks and Heavy Ash-Storage- Barn.

It is an ongoing project; the research studies' results show that heavy ash (Bottom ash) and Light ash (Fly ash) contain unique properties suitable for construction blocks. The outcome of this project; the factory can increase ash block production capacity by having more ash and reducing disposal costs of firing at the Cement Kiln. In addition, it helps reduce the impact on the air environment - the risk of scattering particles during transport. In addition, the use of ash as raw material in the construction block-production maximizes the waste resource benefit according to the Circular Economy concept and as an upcycled product. In 2021, the proportion of ash disposal to the production of brick increased from the year 2020, at 70:30 to 60:40.

BENEFITS FROM THIS PROJECT

In 2021 Bottom ash from the combustion process at the Thai Cane Paper factory (Prachinburi)

was used to make blocks **100** %

and reduced the disposal cost of **0.8** million baht per year.

Improving receiving system of fly ash, the substitution of raw material in Cement Production, for Economic and Environmental benefits

Before Siam Kraft Industry Co., Ltd improved the fly ash receiving system to substitute raw material for Cement Production in the cement factories of SCG Cement Group in Saraburi Province. The traditional fly ash transport depended on a truck. Still, this transportation resulted in higher operating costs due to water spraying to eliminate the dispersion problem while getting fly ash to the truck. The Company developed the new system by transporting fly ash by Bulk Feed Trucks instead of trucks, then storing them in the silo of the cement plant. Though there was no dispersion problem during transportation, the dispersion problem of fly ash dust still occurred while being loaded to use.

In 2020, the Company had jointly studied to solve the dispersion problem at the site with SCI Eco Services Co., Ltd., and The Siam Cement (Kaeng Khoi) Co., Ltd. The Company introduced the technology to use Screw Mixer in spraying water to reduce the dispersion when getting the fly ash from the silo to mix with other raw materials for cement production. At present, The Siam Cement (Kaeng Khoi) Co., Ltd. installed the 2 screw mixers in 2020 at Kiln No.4 and in 2021 at Kiln No. 5.

The Project Outcomes The Company can reduce the fly ash dispersion problem during loading to the Bulk Feed Truck and reduce the disposal cost by approximately 24 million baht per year. And, there is no need to spray water at the starting point, resulting in a cheaper disposal cost.

Solvent Recovery for Reuse in the Production Process

SCGP - Performance and Polymer Packaging Business (PPP) produces flexible packaging. One critical production stage is the printing process that usually uses the solvent to clean the ink stuck on the machine and various equipment. This cleaning causes the solvent waste to mix with impurities; even though the used solvent can be washed away, it cannot be reused because its cleanliness is not enough due to being used solvent. The Company is determined to reduce such waste by continually applying the 3R principles, controlling the amount of solvent per production volume (Reduce), and investing in Solvent Recycling System installation to remove the contaminant solvent (Recycle). It is German technology with more than 9 million baht investment, installed at the two factories, the Prepack Thailand Co., Ltd., and Tin Thanh Packaging Joint Stock Company – BATICO Vietnam. Thus, there is no need to handle the used solvent, but the system helps reduce the amount of external waste disposal up to 300 tons in 2021 and recover the solvent for reuse in the production process.

Total Management to reduce the impact of Air and Odor Emissions

Concern for employees' and communities' health surrounding the factories, SCGP establishes a stringent Air and Odor Emission Management Policy. The process starts from controlling pollution at the source, reducing the amount of air and odors emissions together with regular surveys and measurements of them, and bringing the obtained data to analyze for developing a better environment, including continuously upgrading the reduction and measurement technology.

Target

In 2025
5% Reduction of air emissions per product domestically and internationally compared to the base year 2020

In 2030
10% Reduction of air emissions per product domestically and internationally compared to the base year 2020

Performance 2021

Reduce Specific Dust
6.7 % compared to the base year 2020

Reduce Specific Sulfer Oxide (SO_x)
4.2 % compared to the base year 2020

Reduce Specific Nitrogen Oxide (NO_x)
4.3 % compared to the base year 2020

Strategy

01
Set Air Emissions targets according to the same business group's international guidelines that do not exceed the values specified by law.

02
Apply the best available Air Pollution Management Technology by controlling both pollution sources and release points and continuously monitoring air quality.

03
Encourage regular participation in air pollution management with communities and stakeholders.

Management Approach

01
Follow up the performance through the Energy and Climate Change Committee comprising representatives from each business group that jointly formulate strategies, goals, and plans.

02
Pulp and paper Business groups use the Continuous Stack Air Quality Monitoring System (CEMS), and Packaging Businesses use the Random Stack Air Quality Monitoring System with the reliability and correctness examined by external agencies.

03
Provide training to employees who control the air pollution treatment system according to the Department of Industrial Works requirements.

Continual Air Quality Management with Technology

Industrial plants must burn fuel as a source of energy, causing air-polluting gases emissions, including Carbon Dioxide (CO_2), Sulfur Oxide (SO_X), Nitrogen Oxide (NO_X), and Dust. SCGP is committed to reducing air emissions by increasing the proportion of renewable energy use, improving energy efficiency, and using advanced technologies such as Electrostatic Precipitator: ESP, including SO_X Capture by Lime System. First started using Circulating Fluidized Bed (CFB) boilers in 1993, and in 2021 the Company Installed Burner Technology, the Terminox - GS type for natural gas-fired boilers to increase combustion efficiency and reduce NO_X emissions. Also, the digital production control system is applied to ensure the stability and efficiency of the production process.

Regarding Air quality monitoring, Continuous Emission Monitoring Systems (CEMs) are applied, including the development of the PI Vision applications for real-time monitoring and surveillance of the air quality from stacks to be alerted if there is any risk incident at any time.

In 2021 SCGP started researching on adsorbents for appropriate use in the operation to effectively trap the SO_X by studying the relationship of various adsorbents properties such as surface area, size, pore-volume, and the number of active sites on SO_X capturing capacity to reduce SO_X emissions from stacks and the cost of adsorbents. In addition, there has been a study on adsorbent derived from lime mud, a sludge formed by industrial production processes, for the benefit of waste management and reducing disposal costs following the Circular Economy principles. The study results can confirm the use of the CFB Boiler at the Pilot-scale and find an optimization model as a guideline of each type of adsorbent used on-site conditions in the actual state of the factory with an estimated saving cost of around 1-11 million baht per year.

SCGP aims to develop innovation, particularly the measurement of air pollution and odors caused by industrial plants. In 2021, the Innovation and Technology Development Center and Technology and Digital Platform Department of SCGP co-invented and manufactured the innovative DOM: Detect Odor & Monitoring to measure and monitor air and odor pollution. This innovation was successfully awarded the National Innovation Award 2020 in the Product and Service design category. They worked jointly with the Siam Kraft Paper, Thai paper Factories at Ban Pong District, Ratchaburi Province, and the factory at Wang Sala District, Kanchanaburi Province, to install DOM. It has been effectively used with high efficiency. Thus, SCGP continues replicating this success to other SCGP factories.

Wastewater Treatment

SCGP treats wastewater from the factory's production process before releasing it into the environment. Also, regularly measures the quality of water with the internal control standards that are more stringent than the official standards before releasing it to natural water sources, the wastewater treatment system of Industrial Estate, and the farmer areas for cultivation. The company monitors water quality in natural water sources before and after the factory by measuring various parameters such as the total dissolved solids (TDS) according to the standard method. It is to classify the water intake quality to ensure that the treated effluent does not affect nature and continually enhances the company's efforts to improve wastewater quality.

SCGP has consistently studied new technologies to upgrade wastewater treatment operation efficiency. In addition, the company organizes the annual operational training of wastewater treatment knowledge/technology to the responsible employees and encourages them to attend the training on environment managed by the government sector and private sector so that they obtain new knowledge / technology for improving work be much better.

SCGP selected the high-efficiency water treatment technology by installing an anaerobic treatment system in factories both in thailand and abroad, from Vina Kraft Paper Company in Vietnam, then expanded to other factories, Siam Kraft Industry Co., Ltd. (Ban Pong and wangsala) in Thailand, the Philippines, and Indonesia. The technology has reduced wastewater contamination before entering the aerobic treatment system, so it helps to improve the process efficiency. In addition, it can reduce energy use while producing biogas as an alternative fuel for steam and electricity generation.

ESG
Performance

About This Report

SCGP has published the sustainability report since 2019, with the intention to disseminate business performances in economic, social and environment dimensions to stakeholders. The reporting period is from January 1, 2021, to December 31, 2021

The Significant Changes and Developments in 2021

January 2021

Acquired 100% of shares in Go-Pak

February 2021

Issued debenture for the first time on April 1, 2021, The SCGP debenture No. 1/2564 has the total offering value of not exceeding Baht 5,000 million and the over-allotment not exceeding Baht 500 million under the Medium-Term Note (MTN) program for a two-year term in the amount of not exceeding Baht 40,000 million.

March 2021

Added the 7th thermoform production line and related warehouse, resulting in an increase in its total capacity of 347 million pieces.

May 2021

Invested in pressboard capacity expansion of foodservice packaging by additional 1,615 million pieces per year at Ratchaburi plant in Thailand and Binh Duong plant in Vietnam. Expanded molded pulp packaging production capacity by additional 223 million pieces per year at Kanchanaburi plant in Thailand, with start-up date expected in the 2nd quarter of 2022.

July 2021

Acquired 70% of shares in Duy Tan Plastics Manufacturing Corporation Joint Stock Company (Duy Tan), a leading rigid packaging manufacturer in Vietnam.

August 2021

Acquired 75% of shares in Intan Group, one of Indonesia's corrugated container manufacturers.

August 2021

Acquired an additional 20% of shares in Visy Packaging (Thailand) Limited, resulting in SCGP stake in Visy increased from 80% to 100%.

September 2021

Invested in the new packaging paper production complex in north of Vietnam for Vina Kraft Paper Company Limited (VKPC), which is in the process of environmental impact assessment and expected to be commissioning at the beginning of 2024.

December 2021

Acquired 85% of shares in Deltalab, the medical supplies and labware specialist company registered in Spain.

Reporting Scope

The Information presented in this report includes: Sustainability performances in SCGP's two core businesses comprises the Integrated Packaging Business and Fibrous. The selection of Sustainability performance information included in this report is based on what is determined by SCGP's management to be responsible, relevant, and valuable for its stakeholders when measuring sustainability performance. There are several changes to the Information already reported in the Sustainable Development Report 2019 as follows:

1. Page 65: Economic Performance: Employee compensation, comprising salary, wage, benefit, welfare, and regular contributions in 2020, amended from Baht millian 10,604 to 10,603
2. Page 84: Awards of Pride 2020, Global Awards: WorldStar Packaging Awards 2020, amended from 4 to 3 awards.
3. Page 77: Subsidiaries included in Sustainability Report 2020: Total Direct/Indirect Holding (Percent) of Prepack Thailand Co., Ltd., amended from 38% to 52%.

The Sustainability Report and its data are prepared in accordance with the Global Reporting Initiative ("GRI Standards"), Core Option as shown on page 109 - 110. The Communication on progress-Advanced Level of United Nations Global Compact (UNGC) as shown on page 111., the Implementation of the Task Force on Climate-related Financial Disclosures (TCFD) shown on page 112, and the Actions toward The United Nations Sustainable Development Goals (SDGs) as shown on page 35. Finally the implemention at Sustainability Accounting Standards Board (SASB) shown on page 113

Economic Data The reporting scope covers the performance of subsidiaries, joint ventures, associates, and other companies, both domestic and abroad, Except for the circular economy information that is excluded new companies (less than 3 years) and merged companies (less than 4 years).

Environment, Health, and Safety the reporting scope covers subsidiaries and associates performance with SCGP shareholding more than 20% and SCGP has the ability to manage including other voluntary companies both Thailand and abroad* with an exemption for expenses reporting, investments, environmental benefits, violations and legal fines which reported only Thailand data. However, this reporting was excluded Greenfield (less than 3 years) and M&P companies (less than 4 years) as a list of companies shown on page 104-105

Social information (besides **Health and Safety**) covers the performance of subsidiaries, joint ventures, associated companies and other companies Thailand and abroad in line with the SCGP Annual Report.

*PT Fajar Surya Wisesa Tbk. Voluntary disclosed Environment, health and safety information before the company prescribed the data reporting criteria because PT Fajar Surya Wisesa Tbk. data has been used to set targets for reduce greenhouse gas and air pollution emissions reduction.

Sustainability Management System

To ensure SCGP and its subsidiaries have the sustainability management system throughout the organization, we have been certified International standards i.e. the Quality Management System (ISO 9001), the Environmental Management System (ISO 14001), the Occupational Health and Safety Management System (OHSAS/TIS 18001/ISO 45001) and Sustainable Forestry Management Standards (FSCTM - Forest Stewardship CouncilTM) (License code FSCTM - C135609) In 2021, 93% of companies granted the Quality Management System certification, 82% granted Environmental Management System, 73% granted Safety and Occupational Health Management System, and 97% granted Sustainable Forestry Management.

Reporting Assurance

Financial data derived from a financial management system is similar to those presented in the SCGP Annual Report and verified by a certified accounting firm.

The third party has assured the integrity and cosistancy of selected environmental, health, and safety data in this report against GRI Standards reporting guidelines as details shown on page 106-107.

The electronic file of this report and the previous ones

can be downloaded
from the SCGP website

For more information, please contact

SCG Packaging Public Company Limited
1 Siam Cement Road, Bangsue,
Bangkok 10800

Tel : +66 2586 1227-8
E-mail : scgpackaging@scg.com
Website : www.scgpackaging.com

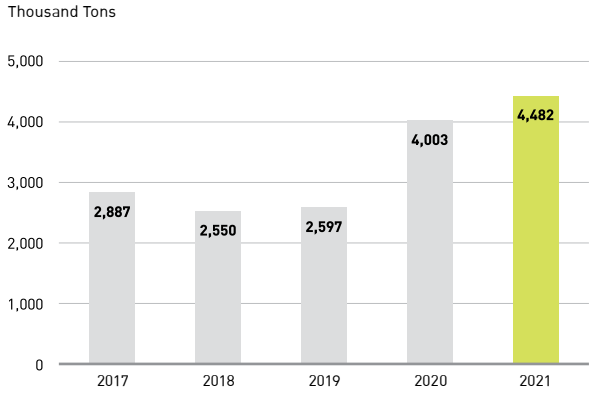
Sustainability Performance Data
SCGP 2021 (Thailand)

Environmental Performance

Production and Raw Materials

Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Production (Thousan Tons)	3,411	3,439	3,442	3,359	3,480			610	0.1	6c
Total Raw Materials (Thousand Tons) EN0.1	5,224	5,483	5,177	6,405	4,507	GRI 301-1	25.4	610 630		6a, 6b
Recycled Materials (Thousand Tons) EN0.1	2,887	2,550	2,597	4,003	1,909	GRI 301-2	25.4	610 3501		6a, 6b
Renewable Materials (Ton) EN0.1	NA	NA	NA	NA	2,573	GRI 301-1			2.4.4	

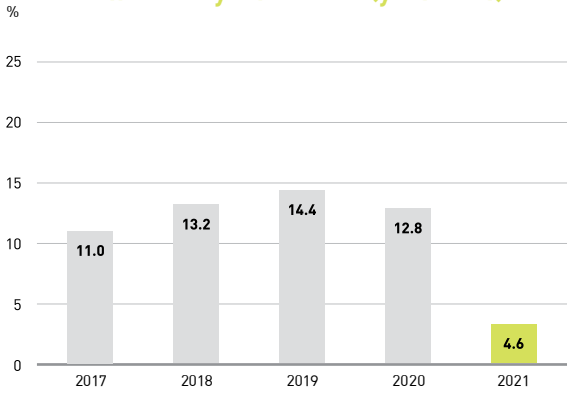
Recycle Materials and Renewable Materials



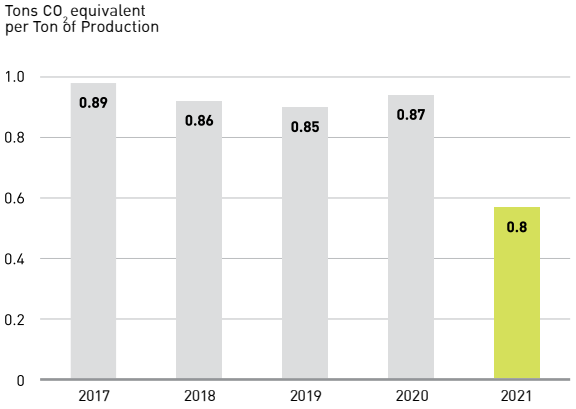
Greenhouse Gas Emissions

Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
GHG Scope 1 (Million Tons CO_2 equivalent) EN1.*	2.81	2.58	2.53	2.66	2.52	GRI 305-1	25.4 32.6	610 305 630	2.3.1	
GHG Scope 2 (Million Tons CO_2 equivalent) EN1.*	0.21	0.38	0.38	0.26	0.27	GRI 305-2	25.4 32.6	610 305 630	2.3.2	
GHG Scope 1 and 2 (Million Tons CO_2 equivalent) EN1	3.02	2.96	2.91	2.92	2.79		32.6	610 305 630		
Biogenic CO_2 (Million Tons CO_2 equivalent)	NA	NA	NA	NA	1.30					
GHG Emission Reduction compare with base year of 2020 (Million Tons CO_2 equivalent) EN1.1	0.37	0.45	0.49	0.43	0.14	GRI 305-5	25.4 32.6	610 305 630		
GHG Emission Reduction compare with base year of 2020 (%)	11.0	13.2	14.4	12.8	4.6	GRI 305-5	25.4 32.6	610 305 630		
GHG Emission (Tons CO_2 equivalent per Ton of Production)	0.89	0.86	0.85	0.87	0.80		32.6	610 305 630		
GHG Emission Target compare with base year of 2020 (Million Tons CO_2 equivalent) EN1.1	3.39	3.41	3.40	3.35	2.86		25.2 32.6	610 305	2.5.9	
GHG Emission Target (Tons CO_2 equivalent per Ton of Production)	1.00	0.99	0.99	1.00	0.82		25.2 32.6	610 305		

GHG Emission Reduction Compared with Business as Usual (BAU) at the base Year of 2007 (year 2017-2020) and Compared with the Base year of 2020 (year 2021)



GHG Emission per Ton of Production

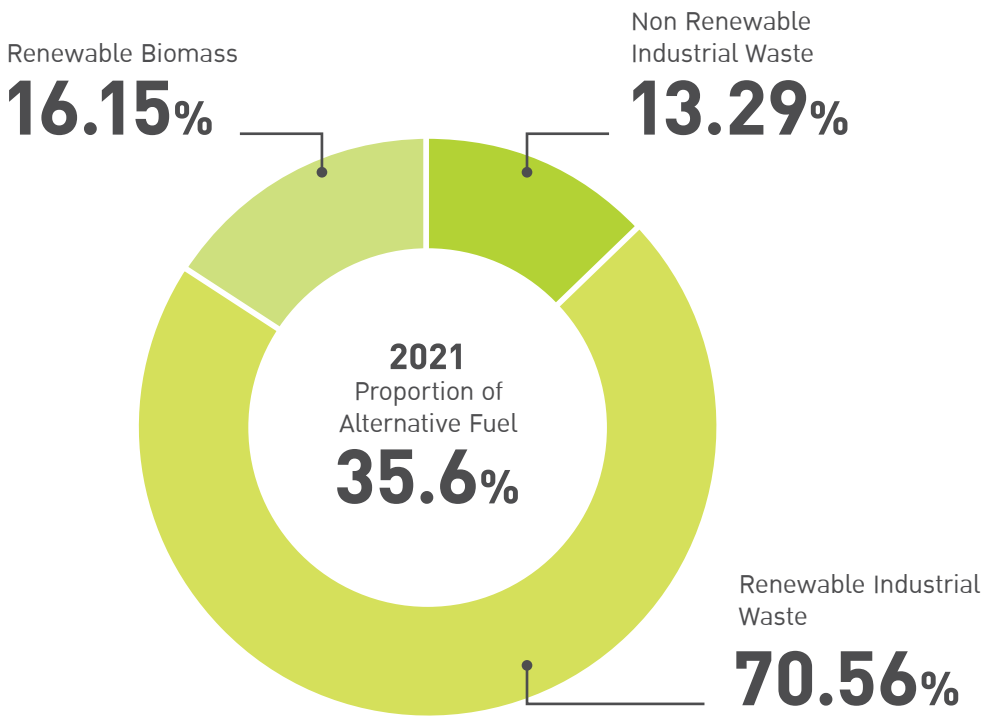


Energy Consumption

Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Total Energy Consumption (Petajoules) EN2,*	40.39	40.97	40.83	40.79	41.41	GRI 302-1	25.4	610 305 630		
Heating and Steam Consumption (Petajoules) EN2,*	39.13	39.58	39.45	39.87	40.18	GRI 302-1	25.4	610 305 630		
Alternative Fuel (Petajoules) EN2										
• Total Renewable Fuel*	9.50	10.76	11.20	10.40	12.40	GRI 302-1	25.4	610	2.3.3	
• Renewable Biomass	0.95	0.96	1.39	1.59	2.31	GRI 302-1	25.4	305	2.3.3	
• Renewable Industrial Waste	8.55	9.80	9.81	8.81	10.09	GRI 302-1	25.4	630	2.3.3	
• Non Renewable Industrial Waste	1.25	1.08	0.89	1.94	1.90	GRI 302-1	25.4		2.3.3	
Proportion of Alternative Fuel (%) EN2	27.5	29.9	30.6	31.0	35.6	GRI 302-1	25.4	610 305 630		
Nonrenewable fuels (nuclear fuels, coal, oil, natural gas, etc.) Consumption (Petajoules)*	NA	NA	NA	NA	26.31	GRI 302-3	NA	2.3.3		

* Within Deloitte's limited assurance scope (page 106-107)

Alternative Fuel



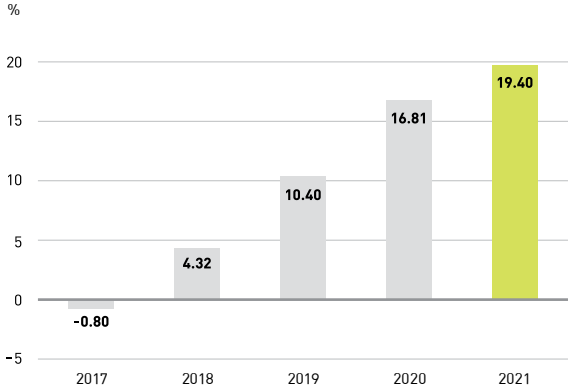
Energy Consumpiton

Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Electrical Consumption (Gigawatt Hours) EN2,*	351.00	385.06	383.87	256.42	341.24	GRI 302-1	25.4	610 305 630		
Electricity Sold (Petajoules)*	NA	0.07	0.15	0.45	0.35	GRI 302-1	25.4	610 305	2.3.3	
Energy Consumption Reduction compare with business as usual (BAU) at base year of 2007 (Petajoules)	3.03	3.67	3.76	2.31	2.45	GRI 302-4	25.4	610 305 630		
Energy Consumption Reduction compare with business as usual (BAU) at base year of 2007 (%)	7.0	8.2	8.4	5.4	5.6	GRI 302-4	25.4	610 305 630		
Energy Consumpiton (Gigajoules per Ton of Production)	11.84	11.91	11.86	12.14	11.89			610 305 630		
Energy Consumption Target compare with business as usual (BAU) at base year of 2007 (Petajoules)	43.42	44.64	44.59	43.10	43.86		25.2	610 305		
Energy Consumption Target (Gigajoules per Ton of Production)	12.73	12.98	12.95	12.83	12.60		25.2	610 305		

Water Withdrawal and Effluent Quality

Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Total water withdrawal (Million Cubic Meter) EN3,*	67.20	65.49	61.32	54.77	54.05	GRI 303-3	25.4	3260 610 630		
Water withdrawal from freshwater (TDS ≤ 1,000 mg/L) (Million Cubic Meter) EN3,* • Surface water	21.76	21.10	19.50	17.08	18.17	GRI 303-3	25.4	3260 610	2.3.4	
• Groundwater	44.97	44.00	41.41	30.64	35.45	GRI 303-3	25.4	3260 610	2.3.4	
• Seawater	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	
• Tap water or Third-party	0.48	0.40	0.41	0.42	0.43	GRI 303-3	25.4	3260 610	2.3.4	
Water withdrawal from freshwater (TDS > 1,000 mg/L) (Million Cubic Meter) EN3,* • Surface water	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	
• Groundwater	0.00	0.00	0.00	7.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	
• Seawater	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	
• Tap water or Third-party	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	

Water Withdrawal Reduction Compare with Business as Usual at Base Year of 2014

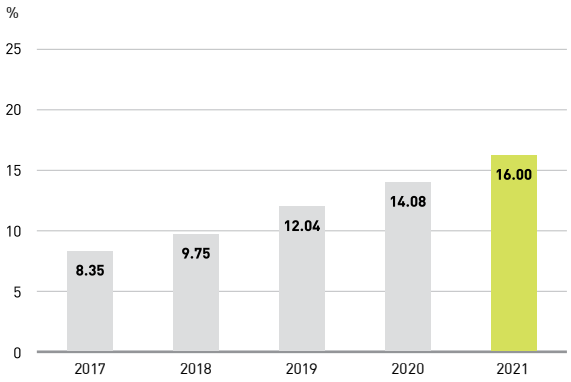


Water Withdrawal and Effluent Quality

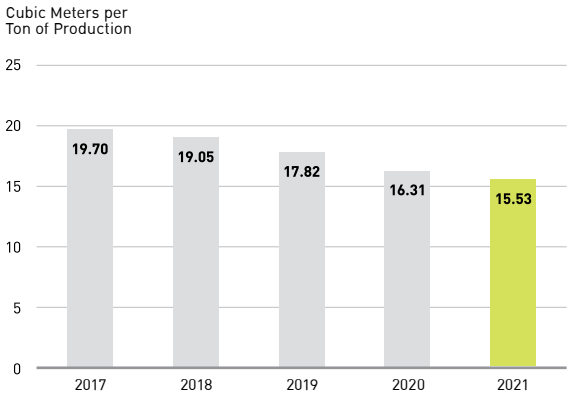
Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Water withdrawal from freshwater (TDS ≤ 1,000 mg/L) in water stress area (Million Cubic Meter) EN3,* • Surface water	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	
• Groundwater	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	
• Seawater	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	
• Tap water or Third-party	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610	2.3.4	
Water withdrawal from freshwater (TDS > 1,000 mg/L) in water stress area (Million Cubic Meter) EN3,* • Surface water	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610		
• Groundwater	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610		
• Seawater	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610		
• Tap water or Third-party	0.00	0.00	0.00	0.00	0.00	GRI 303-3	25.4	3260 610		
Water Withdrawal Reduction compare with business as usual at base year of 2014 (Million Cubic Meter)	-0.53	2.96	7.12	11.07	13.02			3260 610		
Water Withdrawal Reduction compare with business as usual at base year of 2014 (%)	-0.80	4.32	10.40	16.81	19.40			3260 610		
Recycle Water (Million Cubic Meter)*	6.12	7.07	8.39	8.97	10.33			3260 610		
Proportion of Recycled Water (%)	8.35	9.75	12.04	14.08	16.00			3260 610		
Water Withdrawal (Cubic Meter per Ton of Production)	19.70	19.05	17.82	16.31	15.53			3260 610		
Water Withdrawal Target compare with business as usual at base year of 2014 (Million Cubic Meter)	66.67	68.45	68.44	65.84	67.01		25.2	3260 610		
Water Withdrawal Target (Million Cubic Meter per Ton of Production)	19.54	19.91	19.88	19.60	19.27		25.2	3260 610		
Water discharge to surface water (Million Cubic Meter) EN3,*	NA	NA	NA	30.84	42.60	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge to groundwater (Million Cubic Meter) EN3,*	NA	NA	NA	1.16	0.00	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge to seawater (Million Cubic Meter) EN3,*	NA	NA	NA	0.00	0.00	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge to third-party water (total) (Million Cubic Meter) EN3,*	NA	NA	NA	4.69	3.91	GRI 303-4	25.4	3260 610	2.3.4	
Third-party water sent for use to other organizations (Million Cubic Meter) EN3,*	NA	NA	NA	4.62	3.81	GRI 303-4	25.4	3260 610	2.3.4	
Total water discharge (Million Cubic Meter) EN3,*	NA	NA	NA	36.69	46.51	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge by freshwater (TDS ≤ 1,000 mg/L) (Million Cubic Meter) EN3,*	NA	NA	NA	4.31	7.16	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge by other water (TDS > 1,000 mg/L) (Million Cubic Meter) EN3,*	NA	NA	NA	32.39	39.35	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge by freshwater (TDS ≤ 1000 mg/L) in water stress area (Million Cubic Meter) EN3,*	NA	NA	NA	0.00	0.00	GRI 303-4	25.4	3260 610		
Water discharge by other water (TDS > 1,000 mg/L) in water stress area (Million Cubic Meter) EN3,*	NA	NA	NA	0.00	0.00	GRI 303-4	25.4	3260 610		
BOD (Tons) EN3	355	214	147	153	172		25.4	3260 610		
COD (Tons) EN3	5,899	5,074	4,224	3,623	4,103		25.4	3260 610		
TSS (Tons) EN3	965	792	572	505	440		25.4	3260 610		

* Within Deloitte's limited assurance scope (page 106-107)

Portion of Recycled Water



Water Withdrawal per Ton of Production



Waste Management/Air Emission/Environmental Expenditures and Benefits/Violations of Legal Obligations and Regulations

Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Hazardous Waste Generation (Thousand Tons) EN4,*	1.03	1.61	2.00	2.66	2.98	GRI 306-3	25.4	610 630	2.3.5	
Hazardous Waste Generation (Kilograms per Ton of Production)	0.30	0.47	0.58	0.79	0.86			610		
Hazardous Waste Management EN4 • Reuse/Recycled/Other Recovery/Incineration with Energy Recovery (Thousand Tons)	0.74	1.24	1.77	2.66	2.94	GRI 306-4 GRI 306-5	25.4	610 3501	2.3.5	
• Incineration without energy recovery (Thousand Tons)	0.27	0.32	0.06	0.02	0.01	GRI 306-5	25.4	610	2.3.5	6e
• Landfilling (Tons)	1.00	0.00	0.00	0.77	0.00	GRI 306-5	25.4	610	2.3.5	6d
Hazardous Waste in the storage at the end of year (Thousand Tons) EN4	NA	NA	0.13	0.11	0.14		25.4	610		
Non Hazardous Waste Generation (Thousand Tons) EN4,*	1,025.32	1,065.08	1,053.91	1,042.74	1,108.77	GRI 306-3	25.4	610 630	2.3.5	
Non Hazardous Waste Generation (Kilograms per Ton of Production)	300.56	309.74	306.19	310.44	318.60			610		
Non Hazardous Waste Management EN4 • Reuse/Recycled/Other Recovery/Incineration with Energy Recovery (Thousand Tons)	1,044.21	1,011.10	1,074.48	1,064.32	1,129.30	GRI 306-5 GRI 306-4	25.4	610 3501	2.3.5	
• Incineration without energy recovery (Thousand Tons)	1.32	0.40	0.28	0.00	0.00	GRI 306-5	25.4	610	2.3.5	6e
• Landfilling (Tons)	0.00	0.00	0.00	0.00	0.00	GRI 306-5	25.4	610	2.3.5	6d
Non Hazardous Waste in the storage at the end of year (Thousand Tons) EN4	NA	NA	145.22	123.63	103.10		25.4	610		
Oxides of Nitrogen (Thousand Tons) EN5	2.53	2.86	2.48	2.97	NA	GRI 305-7	25.4	610		
Oxides of Nitrogen by CEMs (Thousand Tons) EN5,*	NA	NA	NA	3.12	3.14					
Oxides of Sulfur (Thousand Tons) EN5	2.68	2.20	1.81	2.57	NA	GRI 305-7	25.4	610		
Oxides of Sulfur by CEMs (Thousand Tons) EN5,*	NA	NA	NA	2.28	1.99					
Dust (Thousand Tons) EN5	0.41	0.39	0.34	0.31	NA	GRI 305-7	25.4	610		
Dust by CEMs (Thousand Tons) EN5,*	NA	NA	NA	0.64	0.52					
Operating Expenses-Environment (Million Baht)	889	722	681	742	739			610	2.2.3	
Capital Invesments-Environment (Million Baht)	178	347	383	330	512			610	2.2.3	
Tax Incentives linked to environment investment EN6	NA	19	17	8	70			610	2.2.3	
Number of violations of legal obligations/ regulations (Number of Cases) EN7	0	0	0	0	0	GRI 307-1	25.4	610	2.2.4	
Amount of fines/penalties related to the above. (Baht) EN7	0	0	0	0	0	GRI 307-1			2.2.4	
Environmental liability accrued at year end. (Baht) EN7	0	0	0	0	0	GRI 307-1			2.2.4	

* Within Deloitte's limited assurance scope (page 106-107)

Waste diverted form disposal - Thailand, GRI 306-4*

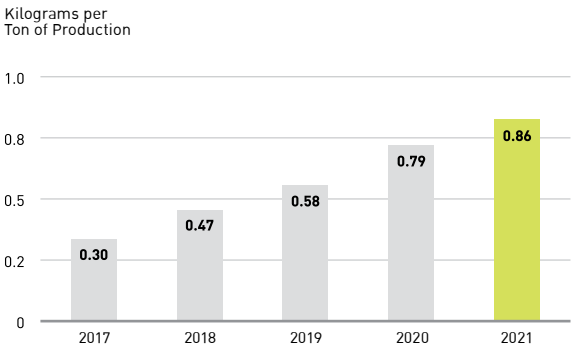
2021 (Tons)					
	Inside SCGP		Outside SCGP		Total
	Onsite		Offsite		
	Factory	In SCGP	In SCG	Out SCG	
Hazardous Waste					
Reuse	0.00	0.00	0.00	21.36	**21.36**
Recycling	2.82	0.00	49.76	625.17	**677.75**
Other recovery operations	0.00	0.00	0.00	87.34	**87.34**
Treatment	0.00	0.00	0.00	0.00	**0.00**
Total	**2.82**	**0.00**	**49.76**	**733.87**	**786.45**
Non Hazardous Waste					
Reuse	0.00	6,264.28	0.00	76.73	**6,341.01**
Recycling	72,055.29	206,205.53	121,518.08	185,607.00	**585,385.90**
Other recovery operations	0.00	0.00	0.00	25.63	**25.63**
Treatment	0.00	0.00	0.00	0.00	**0.00**
Total	**72,055.29**	**212,469.81**	**121,518.08**	**185,709.36**	**591,752.54**

Waste directed to disposal - Thailand, GRI 306-5*

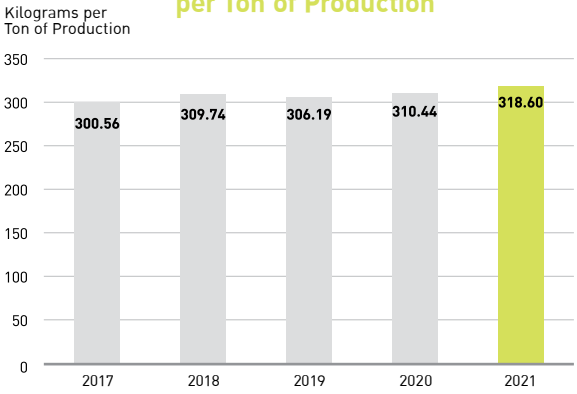
2021 (Tons)					
	Inside SCGP		Outside SCGP		Total
	Onsite		Offsite		
	Factory	In SCGP	In SCG	Out SCG	
Hazardous waste					
Incineration (with energy recovery)	0.00	0.00	6.25	2,143.85	**2,150.10**
Incineration (without energy recovery)	0.00	0.00	0.00	9.67	**9.67**
Landfilling	0.00	0.00	0.00	0.00	**0.00**
Other disposal operations	0.00	0.00	0.00	0.00	**0.00**
Total	**0.00**	**0.00**	**6.25**	**2,153.52**	**2,159.77**
Non-hazardous waste					
Incineration (with energy recovery)	287,390.59	24,898.23	33,519.07	191,736.26	**537,544.15**
Incineration (without energy recovery)	0.00	0.00	0.00	0.00	**0.00**
Landfilling	0.00	0.00	0.00	0.00	**0.00**
Other disposal operations	0.00	0.00	0.00	0.00	**0.00**
Total	**287,390.59**	**24,898.23**	**33,519.07**	**191,736.26**	**537,544.15**

* Within Deloitte's limited assurance scope (page 106-107)

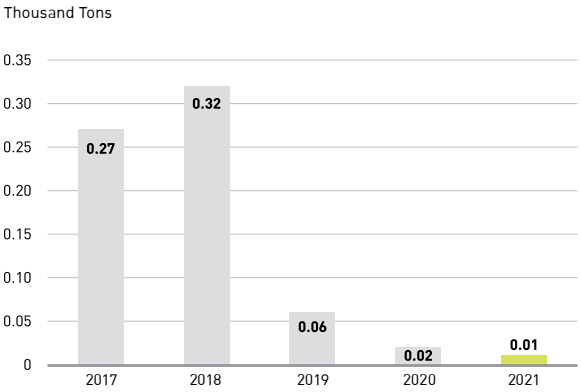
Hazardous Waste Generation per Ton of Production



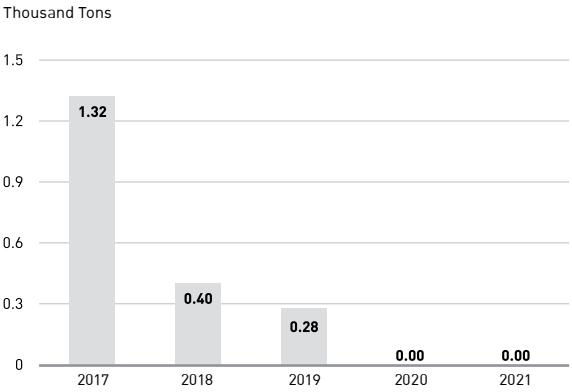
Non Hazardous Waste Generation per Ton of Production



Hazardous Waste Management Incinerated without Energy Recovery



Non Hazardous Waste Management Incinerated without Energy Recovery



EN0.1

Raw materials and recycled materials from both domestic and international factories are included in the volume of raw materials and recycle materials stated in Y2017-2020. Raw materials and recycled materials quantities domestic and international factories will be reported separately in Y2021.

EN1 **Greenhouse gas**

Greenhouse gas means the amount of greenhouse gas emission from operations calculated in accordance with the WRI / WBCSD GHG Emissions Protocol "Greenhouse Gas Reporting and Calculation Guidelines", including calculation tools from the International Council of Forest and Paper Associations (ICGPA) as follows

1. Scope of reporting

1.1 Greenhouse gases directly generated (Scope 1)

It is arised from the production process or various activities with a source in the supervision and management of a company or factory, such as the emission of greenhouse gases arising from stationary combustion, Greenhouse gas emissions arising from moving combustion, Greenhouse gas emissions arising from the leak Emissions of greenhouse gases resulting from chemical reactions, Carbon dioxide emissions occurring from biomass burning and Lime Mud burning at Lime Kiln are reported separately from Scope 1 because the carbon contained in biomass, biogas and lime is of natural origin.

1.2 Greenhouse gas indirectly generated (Scope 2)

It is caused by indirect greenhouse gas emissions from energy use, e.g. the amount of greenhouse gases generated from electricity, heat or steam imported from outside for internal consumption.

1.3 Greenhouse gases indirectly generated (Scope 3)

It is arised from other indirect greenhouse gas emissions are the amount of GHGs arising from activities other than those specified in Category 1 and Type 2 (Existing During the study and collecting information in the section Transportation, Processing of sold products, use of sold products, End-of-life treatment of sold products)

EN1 **Greenhouse gas**

2. Volume reporting

2.1 Calculation of greenhouse gas emissions from direct production processes (Scope 1)

- Caused by the combustion process.
- Report based on fuel consumption (By weight or volume), e.g. oil or natural gas x emission values referenced from the Thailand Greenhouse Gas Management Organization (Public Organization) (TGO) Other than TGO refer to "Intergovernmental Panel on Climate Change 2006", (IPCC)
- Report based on fuel consumption. (Based on heat value) such as coal content x heat value x TGO-referenced greenhouse gas emissions in the event other than TGO Other than TGO refer to "Intergovernmental Panel on Climate Change 2006", (IPCC)

3. Greenhouse gas emission reporting

3.1 Greenhouse gas emissions are reporting covers CO_2, CH_4, N_2O, HFCs, PFCs and SF_6, calculated and displayed in the form of carbon dioxide equivalent to the Global Warming Potential (GWP) set by the IPCC

3.2 Used the data of 2020 both Thailand and abroad (Include PT Fajar Surya Wisesa Tbk.) to serve as the base year to set target to reduce greenhouse gas emission 20 percent by 2030 and Net Zero by 2050.

EN1.1

1. The performance of greenhouse gas emission in 2017-2020 (Thailand only) was compared with Business As Usual (BAU) at the base year 2007 and used the data of 2020 to serve as the base year to set target to reduce greenhouse gas emission both Thailand and abroad and Net zero by 2050.

EN2	**Energy**
	Total energy consumption includes all thermal and electricity used in the company/factory areas. For the details on thermal energy, the amount and ration of alternative fuel utilization is also presented, together with the addition of renewable biomass, renewable industrial waste and non-renewable industrial waste. • Thermal energy consumption = fuel weight or steam volume (Based on the volume purchased or stockpile changed) x Low Heating Value (provided by laboratory test or suppliers) • Electrical energy consumption = energy used in form of electrical currents that purchased from outsources electrical generators for companies / plants' activities and does not account self-generated electricity from fuel combustion since it can be considered as double-count for thermal energy. • Alternative Fuel = renewable biomass, renewable industrial waste and non-renewable industrial waste that can produce heat and energy. • Renewable biomass = fuel from wood chip, pin chip, bark and bagasse. • Renewable Industrial waste = fuels produced from renewable resources for examples black liquor from pulp process, biogas and sludge from wastewater treatment plant. • Non-renewable Industrial waste = waste material rejects including residue leftover from production processes such as waste rejects and used oil. • Renewable energy = Clean energy derived from nature are biomass (Biomass, Biogas, Sludge, Black Liquor), solar energy, wind power, hydropower, geothermal energy. To be used as a replacement for energy from fossil fuels.
EN3	**Water**

	• Water management (water withdrawal, water discharge, water treatment and water recycling) is considered in order to assess efficiency of water from various sources
	• Water withdrawal is the quantity of fresh water taken from external sources for used in production process, offices, maintenance and utilities. Sources of water are divided into surface water, groundwater, tap water and recycled water- the treated water returned to the process. It is obtaining data from accounting evidences or meter reading.
	• Effluent water quality is the quality of water discharged to external by measuring the Total Dissolved Solids (TDS). According to the standard methods to categorize the quality of water sources, there are 2 types of effluent water quality as follows
	  • Freshwater TDS is less than or equal to 1,000 milligrams per litre.
	  • Other water TDS more than 1,000 milligrams per litre.
	• Water recycling, the reused water in a factory's activities after treatment processes, excluding water that has not undergone the treatment process.
	• Effluent water quality is the quality of water discharged to external sources, such as BOD COD and Total Suspended Solids (TSS) with the quality of discharged water measured by a standard test method and volume of released water.
	• Water source quality is the quality of various water sources by measuring the Total Dissolved Solids (TDS). According to the standard methods to categorize the quality of water sources into 2 types as follows
	  • Freshwater TDS is less than or equal to 1,000 milligrams per litre.
	  • Other water TDS more than 1,000 milligrams per litre.

EN4	**Industrial Waste**
	Waste Management is considered to assess the production process efficiency, product quality improvement, and a decrease in production cost. SCGP has established "Waste Reporting Guideline" since March 2010 for waste data collection and calculation.The quantity of industrial waste is the amount of waste generated from the production process, excluding the waste that can be recycled in the production process (Work in process, WIP). Industrial wastes are divided into 2 categories comprising hazardous waste and non-hazardous waste as listed in the Ministry of Industry's 2005 Decree on the Disposal of Wastes and Unused Materials. **Volume Reporting** Waste or unused material at the place of origin or before entering the waste storage building is complied from weighting scale or estimation Industrial waste stock refers to the amount of waste that occurs but not yet managed or collected in storage areas is compiled from weighting scale or estimation The amount of industrial waste to be disposed of (Waste Manage) refers to the amount of waste, to be managed both inside and outside SCGP compiled from weighting scale only SCGP's internal waste management (Onsite) means waste management operated by companies within the scope of SCGP's management. SCGP's external waste management (Offsite) means waste management operated by companies outside the scope of SCGP's management. Reporting of waste management quantities from 2017-2020 in accordance with GRI 306, 2016 Reporting of waste management quantities since 2021 in accordance with GRI 306-4, 2020 and GRI 306-5, 2020
EN5	**Air Emission**
	Air emissions are the quantity of air pollution such as NOx, SOx, and Particulate Matter deriving from combustions and being the components during the production process. Types of air pollutants depend upon each production process in which chemical substance is produced. The result and measurement method shall refer to the method required by laws such as US EPA or equivalent standard. Reporting on air emission quantity will be calculated based on concentration measured from random Spot Check conducted by laboratories certified and registered to the Department of Industrial Works, multiplied by hot air flow rate and production hours. Besides, SCGP measures the stack's emissions using continuous Emission Monitoring Systems (CEMs) • Consumer Industrial Packaging and Performance Polymer Packaging Business carried out the measurement of air pollution emissions from stacks by Spot Check. according to the actual conditions while measuring by a laboratory that is certified and registered with the Department of Industrial Works. • In 2021, Pulp and Paper business began to report the results of air pollution emissions from stack by Continuous Emission Monitoring System, CEMs). And 2020 data is used for both Thailand and abroad (Include PT Fajar Surya Wisesa Tbk.) with CEMs as the base year to determine air emission reduction targets. a. Oxides of Nitrogen 0.797 Thousand Tons b. Oxides of Sulfur 1.61 Thousand Tons c. Particulate Matter 0.35 Thousand Tons Note : Performance of abroad air emission in 2020 by Continuous Emission Monitoring System : CEMs
EN6	**Including Tax privilege from the Board of Investment (BOI) for environmental projects.**
EN7	**Amount of Fines or Compare fines in case of violation of Legal binding /regulatory obligations are over US$10,000.**

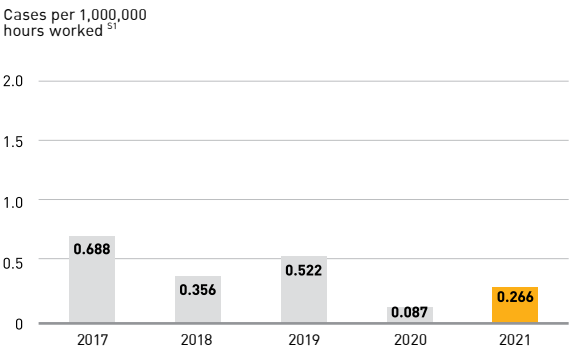
Social Performance

Health and Safety

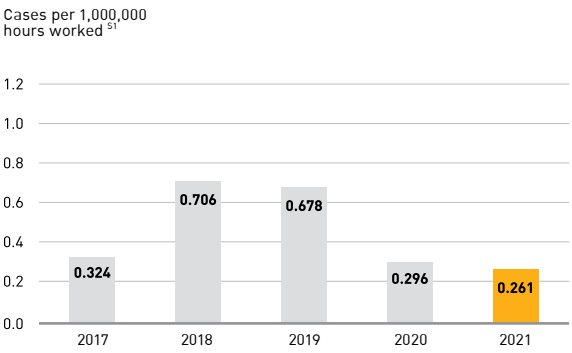
Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Lost Time Injury Frequency Rate : LTIFR (Cases per 1,000,000 hours worked) [S1]										
• Employee	0.688	0.356	0.522	0.087	0.266		40.5		3.7.3	
• Contractor	0.324	0.706	0.678	0.296	0.261		46.1		3.7.4	
Injury Severity Rate : ISR (Cases per 1,000,000 hours worked) [S1]										
• Employee	8.994	4.528	10.200	0.831	2.788					
• Contractor	3.937	7.109	8.098	8.155	5.556					
Total Number of Work-Related Fatalities (Cases) [S1]							33.3	601		
• Employee (male : female)	0 : 0	0 : 0	0 : 0	0 : 0	1 : 0		40.6	610		
• Contractor (male : female)							33.3	601		
(Workplace and Direct Transportation)	0 : 0	1 : 0	0 : 0	0 : 0	0 : 0		46.2	610		
Total Number of Fatalities from Work-Related in Workplace (Cases) [S1]							33.3	601		
• Employee (male : female)	0 : 0	0 : 0	0 : 0	0 : 0	1 : 0		40.6	610		
• Contractor (male : female)	0 : 0	1 : 0	0 : 0	0 : 0	0 : 0		33.3 46.2	601 610		
Total Number of Fatalities from Work-Related in Transportation (Cases) [S1,*]							33.3	601		
• Employee (male : female)	0 : 0	0 : 0	0 : 0	0 : 0	0 : 0	GRI 403-9	40.6	610		
• Direct Transportation Contractor (male : female)	0 : 0	0 : 0	0 : 0	0 : 0	0 : 0	GRI 403-9	33.3 46.2	601 610		
• Other Transportation Contractor (male : female)	0 : 0	0 : 0	2: 0	0 : 0	0 : 0	GRI 403-9	33.3 46.2	601 610		
Number of Fatalities as a result of Work-Related Injury (Cases) [S1,*]							33.3	601		
• Employee	0	0	0	0	1	GRI 403-9	40.6	610	3.7.2	
Fatalities as a result of Work-Related Injury Rate (Cases per 1,000,000 hours worked) [S1,*]							33.3	601		
• Employee	0.000	0.000	0.000	0.000	0.044	GRI 403-9	40.6	610		
Number of Fatalities as a result of Work-Related Injury (Cases) [S1,*]							33.3	601		
• Contractor	0	1	0	0	0	GRI 403-9	46.2	610		
Fatalities as a result of Work-Related Injury Rate (Cases per 1,000,000 hours worked) [S1,*]							33.3	601		
• Contractor	0.000	0.050	0.000	0.000	0.000	GRI 403-9	46.2	610		

* Within Deloitte's limited assurance scope (page 106-107)

Lost Time Injury Frequency Rate : LTIFR (Employee)



Lost Time Injury Frequency Rate : LTIFR (Contractor)



Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Number of High Consequence Work-Related Injury (Cases) S1,* • Employee	NA	NA	NA	0	0	GRI 403-9	33.3	601 610		
High Consequence Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,* • Employee	NA	NA	NA	0.000	0.000	GRI 403-9	33.3	601 610		
Number of High Consequence Work-Related Injury (Cases) S1,* • Contractor	NA	NA	NA	1	2	GRI 403-9	33.3	601 610		
High Consequence Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,* • Contractor	NA	NA	NA	0.027	0.065	GRI 403-9	33.3	601 610		
Number of Recordable Work-Related Injury (Cases) S1,* • Employee	41	30	30	23	26	GRI 403-9	33.3	601 610		
Recordable Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,* • Employee	2.169	1.526	1.423	1.006	1.151	GRI 403-9	33.3	601 610		
Number of Recordable Work-Related Injury (Cases) S1,* • Contractor	31	50	43	27	31	GRI 403-9	33.3	601 610		
Recordable Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,* • Contractor	1.672	2.521	1.823	0.727	1.013	GRI 403-9	33.3	601 610		
Hours worked (Hrs.) S1,* • Employee	18,901,992.00	19,654,400.95	21,078,804.75	22,869,682.70	22,593,454.96	GRI 403-9	33.3	601 610		
• Contractor	18,542,902.00	19,833,700.27	23,585,144.27	37,155,610.20	30,598,421.83	GRI 403-9	33.3	601 610		
Number of Occupational Illness & Disease (Cases),* • Employee	0	0	0	0	0	GRI 403-10	33.3	601 610		
• Contractor	0	0	0	0	0	GRI 403-10	33.3	601 610		
Number of Recordable Occupational Illness & Disease (Cases),* • Employee	0	0	0	0	0	GRI 403-10	33.3	601 610		
• Contractor	0	0	0	0	0	GRI 403-10	33.3	601 610		
Occupational Illness & Disease Frequency Rate (Cases per 1,000,000 hours worked) S1,* • Employee	0	0	0	0	0	GRI 403-10	33.3	601 610		

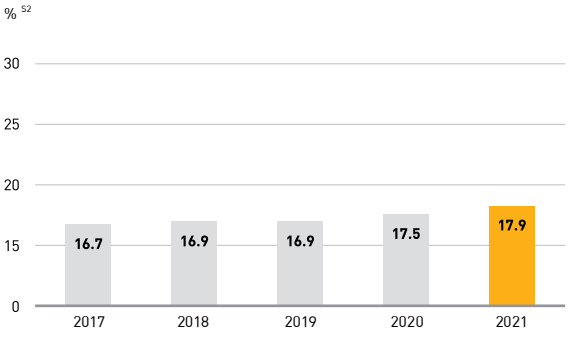
Employees and Social Development

Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Number of employees (Persons)	6,818	6,748	6,660	6,416	8,845	GRI 102-8 GRI 102-7	33.3	601 610	0.1	
Female share of total workforce (%) S2	16.7	16.9	16.9	17.5	17.9	GRI 405-1	33.3	601 610 561	3.2.2	
Female in all management positions (%)	19.0	18.9	19.6	20.6	21.2	GRI 102-8	33.3	601 610 561	3.2.2	
Female in junior management positions (%)	20.7	20.8	21.3	23.0	23.5			561	3.2.2	
Female in top management positions (%)	9.1	6.3	10.5	7.7	8.1			561	3.2.2	
Female in management positions in revenue-generating functions (%) S3	30.2	26.3	27.0	28.4	23.0			561	3.2.2	
Share of women in STEM-related positions (as % of total STEM positions)	NA	NA	NA	NA	5.1				3.2.3	
Proportion of local senior management (%) S4	0.6	0.6	0.9	0.8	0.7			601 610		

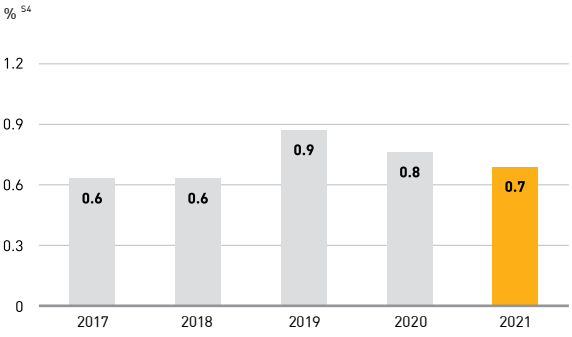
Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Average salary of Executive Level (base salary only) (Baht) S5,*										
• Female	0	0	0	0	0	GRI 405-2	33.3	601 610	3.2.5	
• Male	5,983,000	6,342,000	6,723,000	6,844,000	5,368,444	GRI 405-2	33.3	601 610	3.2.5	
Ratio of average salary of female to male (Executive Level) (base salary only)*	0	0	0	0	0	GRI 405-2	33.3	601 610		
Executive level (base salary + other cash incentives) (baht)*										
• Female	NA	NA	NA	NA	0	GRI 405-2			3.2.5	
• male	NA	NA	NA	NA	8,955,339	GRI 405-2			3.2.5	
Ratio of average salary of female to male (Executive Level) (base salary + other cash incentives)*	NA	NA	NA	NA	0					
Average salary of Management Level (base salary only) (Baht)*										
• Female	2,120,000	2,203,000	2,363,000	2,331,000	2,208,303	GRI 405-2	33.3	601 610	3.2.5	
• Male	2,309,000	2,403,000	2,458,000	2,501,000	2,187,859	GRI 405-2	33.3	601 610	3.2.5	
Ratio of average salary of female to male (Management Level) (base salary only)*	0.918	0.917	0.961	0.932	1.009	GRI 405-2	33.3	601 610		
Average salary of Management Level (base salary + other cash incentives) (Baht)*										
• Female	2,938,000	3,148,000	3,170,000	3,143,000	2,942,157	GRI 405-2	33.3	601 610	3.2.5	
• Male	3,402,000	3,650,000	3,485,000	3,585,000	3,132,744	GRI 405-2	33.3	601 610	3.2.5	
Ratio of average salary of female to male (Management Level) (base salary + other cash incentives)*	0.864	0.862	0.910	0.877	0.939	GRI 405-2	33.3	601 610		
Average salary of Non-management Level (base salary only) (Baht) *										
• Female	508,000	533,000	563,000	584,000	584,901	GRI 405-2	8.4	601 610	3.2.5	
• Male	424,000	442,000	461,000	478,000	476,272	GRI 405-2	8.4	601 610	3.2.5	
Ratio of average salary of female to male (Non-management Level) (base salary only)*	1.198	1.206	1.221	1.222	1.228	GRI 405-2	33.3	601 610		
Average salary of Non-Management Level (base salary + other cash incentives) (Baht)*										
• Female	NA	NA	NA	NA	792,075					
• Male	NA	NA	NA	NA	773,453					
Ratio of average salary of female to male (Non-management Level) (base salary + other cash incentives)*	NA	NA	NA	NA	1.024					

* Within Deloitte's limited assurance scope (page 106-107)

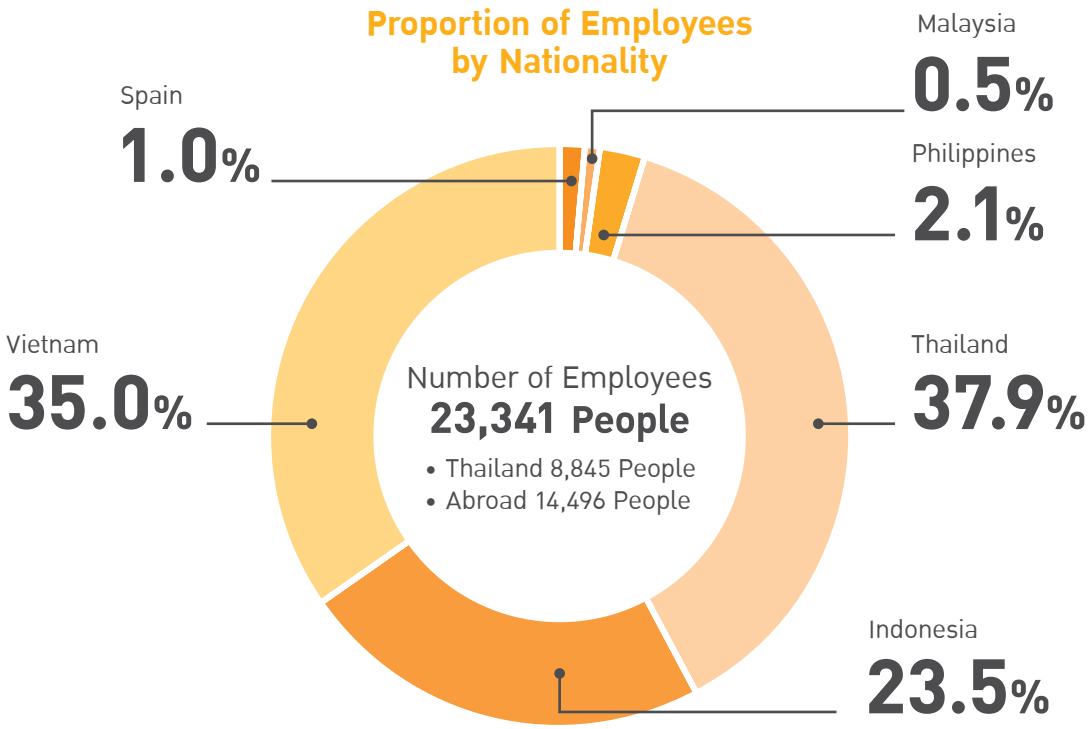
Female Share of Total Workforce



Proportion of Local Senior Management



Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Number of employees with disability (person) [S6]	NA	NA	NA	NA	76	GRI 102-8,2016	35.4			
People with disability (%)	NA	NA	NA	NA	0.009				3.2.4	
Employees represented by an independent trade union or covered by collective bargaining agreements (%) [S7]	100	100	100	100	100		33.3	601 610 561	3.2.6	
Proportion of Absence by Type (%) • Sick leave • Work-related leave • Others	 16.0 0 83.9	 17.0 0 83.0	 14.7 0 85.2	 13.0 0 87.0	 8.0 0 92.0					
Number of new employees hire (Persons)	395	245	174	133	380	GRI 401-1	33.3	601 610	3.5.1	
Ratio of new employees hire (%)	5.8	3.6	2.6	2.1	4.3					
Average hiring cost of new employee/FTE	NA	NA	NA	NA	41,781				3.5.1	
Voluntary employee turnover (Persons)	231	235	228	289	653	GRI 401-1	33.3 39.5	601 610	3.5.6	
Voluntary employee turnover rate (%)	3.4	3.5	3.4	4.5	7.5		39.5			
Total employee turnover (Persons)	239	242	238	475	714	GRI 401-1	33.3 39.5	601 610	3.5.6	
Total employee turnover rate (%)	3.5	3.6	3.6	7.4	8.1		39.5			
Return to work after parental leave (Persons) [S8] • Number of employees taken parental leave	 44	 30	 42	 34	 42	 GRI 401-3	 33.3	 601 610		
• Number of employees returned to work after parental leave	41	30	41	34	39	GRI 401-3	33.3	601 610		
Employee engagement level (%) [S9]	60	74	74	80	76		39.2		3.5.7	
Average training and development of employee (Hour/Person)	8	8	7	4	2	GRI 404-1	33.3 37.4	601 610	3.4.1	
Average cost of hiring a new employee (Baht/Person)	33,271	50,920	31,617	20,387	16,296		37.4		3.4.1	
Employee volunteering during paid working hours (Million Baht)	NA	4	3	4	2				3.6.3	
In-kind giving: product or services donations, projects/partnerships or similar (Million Baht)	NA	28	11	7	29				3.6.3	
Management overheads related to CSR activity (Million Baht)	NA	22	26	34	25				3.6.3	



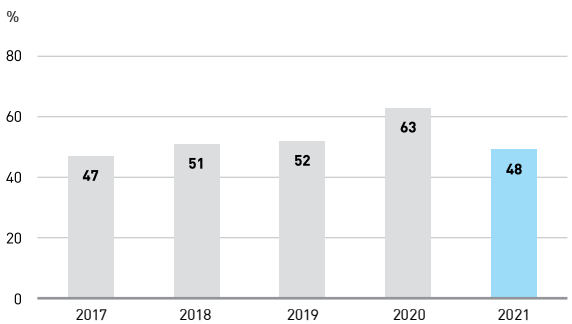
S1	**Data on Number of Employees and Contractors**
	1. Employee is a full-time employee according to an employment contract such as operational level, supervisory and technical staff level, and managerial level including intern (probationary) and special contracted employee. • Operator staffs are employees who use skills and techniques in their daily work. • Supervisory and professional staff are employees with specific duties or have subordinates at the operational level. • Management staffs are executives responsible for formulating strategies or policies and accountable for allocating work and overseeing subordinates to perform their duties according to the policy and daily work. • Special Contracts are those who work under a temporary contract with fixed starting and ending periods. 2. Contractor is a person who has been consented to work or provide service or benefit to the Company apart from the Company's employee as per the definition specified above, which could be divided into 3 groups as follows: 1) Workplace Contractor is a contractor that works for the organization, and whose work and/or workplace is controlled by the organization. (Exclude Transportation contractor.) 2) Direct Transportation Contractor is a transportation Contractor with operation under SCGP's brand. 3) Other Transportation Contractor without operation under SCGP's brand. Employees and workplace contractors data covered in the report will be calculated for the number of man-hours. Data on transportation contractors under SCG Logistics Management Co., Ltd., will be reported in kilometer. SCGP also defines a not under supervision contractor that the contractor is not under the control of the organization, whose work and/ or workplace is not controlled by the organization; including the third party that is anyone other than employees and not contractor who do not work for the organization, are not covered in this report.
	Calculation of hours worked
	1. Data from the clock-in system, HR database, accounting unit or relevant administrative unit. 2. Data from documents that specify hours worked such as timesheets, time records from the accounting department that pay wages, departments that have evidence of time record the number of hours worked or collected hours from Work Permit. 3. In case the companies/plants do not have a clock-in system or HR database, the below formula shall be employed to estimate the hours worked Number of hours worked = [Number of Employees/Contractors x Number of working days x Number of normal hours worked (per day)] + number of total overtime hours worked. (only operational employees and contractors)
	Recording of Health and Safety Data
	SCGP records data on health and safety at work by dividing into 6 categories: 1. The number of fatalities is the number of work-related injuries resulting in fatality regardless of sudden death or suffering the consequences and dying later. 2. Injury Frequency Rate is total number of recordable work-related injury case (person) per 1,000,000 hours worked. 3. Lost Time Injury Frequency Rate is total number of recordable work-related lost time injury case (person) per 1,000,000 hours worked. Lost Time Injury accident refers to a work-related accident that causes an injury cannot come to work as usual on the next work day or in the next shift, including the injury and occupational illness that causes inability return to work, which is a consequence of the accident. 4. Injury Severity Rate is total number of lost workday (day) from recordable work-related lost time injury case (person) per 1,000,000 hours worked. 5. High-Consequence Work-related injury Rate is a total number of High-Consequence Work-related injury case (person) per 1,000,000 hours worked (excluded fatality). 6. Occupational Illness & Disease Frequency Rate refer to the total number of recordable Occupational Illness & Disease (person) - per 1,000,000 hours worked. SCGP changed the calculation rate based on a case or day/200,000 hours worked to a case or day/1,000,000 hours worked to be suitable to the organizational size and compared with other companies within the same industry. Since 2020, started to collect and calculate the data of High-Consequence Work-Related injury Rate.
S2	**Calculate from the total number of employees excluded employees in the Companies no 5, 6, 15, 31 and 35 are in the Sustainability Report's scope.**
S3	**Revenue - generating functions, e.g., marketing, sales, production.**
S4	**Calculate from the total number of local Management overseas over the entire overseas staff.**
S5	**Total number of Company Executives.**
S6	**Visual and physical impairment and movement disabilities or others. e.g., hearing impairment, mental disability, communication disability.**
S7	**Employees joining trade unions or working with the company covered by the Welfare Committee.**
S8	**Consider only female employees on parental leave.**
S9	**Employee engagement level is conducted 2 years at a time.**

Economic Performance

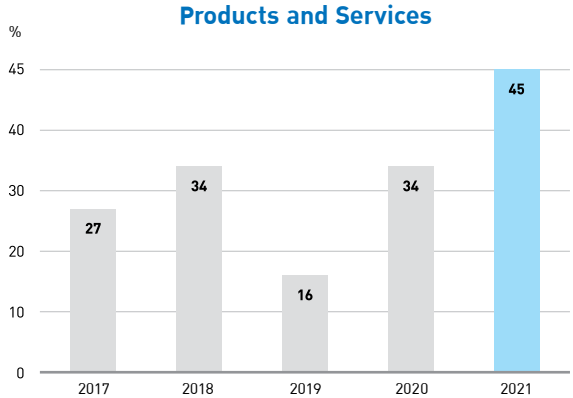
Economic Performance covers SCGP, subsidiaries, associates and other companies both Thailand and abroad

Performance	2017	2018	2019	2020	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Revenue from sales (Billion Baht))	81	87	89	93	124	GRI 201-1 GRI 10			0.1	
Profit for the year (Billion Baht)	4	6	5	6	8	GRI 201-1				
EBITDA (Billion Baht)	12	15	15	17	21	GRI 201-1				
Employee compensation comprising salary, wage, welfare and regular contributions (Million Baht)	8,318	8,673	10,025	10,603	11,687	GRI 201-1	8.4			
Divident to shareholders (Million Baht) EC1	782	7,815	3,300	1,932	2,790	GRI 201-1				
Interest and financial expenses to lender (Million Baht)	883	1,040	1,741	1,452	1,180	GRI 201-1				
Taxes to government and local government authorities such as income tax, local maintenance tax, property tax and other specific taxes (Million Baht)	737	1,296	1,621	1,756	1,933	GRI 201-1				
Contributions to organizations (Baht) EC2	NA	NA	NA	500,177.01	2,447,321.15				1.6.1	
Contributions to political activities (Million Baht) EC3	0	0	0	0	0					
Privilege tax and others from investment promotion, and research and development (Million Baht)	375	406	408	244	293	GRI 201-1				
Non-compliance case through SCG Whistleblowing System (Cases)	7	8	3	10	8	GRI 205-3		610		
Research & Development and Innovation (Million Baht) EC4	574	425	584	529	958					
Suppliers that assessed Environmental, Social and Governance (ESG) Risks (% of procurement spending) EC5	NA	100	100	100	100					
Procurement Spending by Geography (% of procurement spending) EC6 • Domestic • Regional	 51 49	 57 43	 53 47	 55 45	 88 12					
Revenue from Sales of High Value Added Products and Services (Billion Baht)	38	44	46	58	59					
Revenue from Sales of High Value Added Products and Services (%)	47	51	52	63	48					
Revenue from Sales of SCG Green Choice Products and Services (Billion Baht)	22	30	14	31	56					
Revenue from Sales of SCG Green Choice Products and Services (%)	27	34	16	34	45					

Revenue from Sales of High Value Added Products and Services



Revenue from Sales of SCG Green Choice Products and Services



EC1 Dividend to shareholders is the total dividend paid in cash and ordinary shares refered to the SCGP Annual Report, especially in 2019.

EC2 The first seven organizations contributed by SCGP are the following alliances:- 1. The Federation of Thailand Industries, 2. Thailand Institute of Packaging and Recycling Management for Sustainable Environment, 3. A CIRCULAR ECONOMY FOR FLEXIBLE PACKAGING, 4. The Thai Chamber of Commerce, 5. Food Valley, 6. Technical Association of Pulp and Paper Industry, and 7. The Thai Pulp and Paper Industries Association

EC3 SCGP remains politically neutral, and does not give financial or any kind of supports to any political party, political group, or candidates in local, regional or national levels or person with political influence or Lobbying or interest representation or similar and other categories (such e.g. spending related to ballot measures or referendums).

EC4 In 2019, a Report on the Investment in Research and Development including the Investment in innovations.

EC5 The Environmental, Social and Corporate Governance (ESG) risk assessment for business partner began in 2018.

EC6 Consider geography based on seller data and trading currency.

Taxes paid to the government Authorities

Unit : MB	Year	Country					
		Thailand	Indonesia	Vietnam	Philippines	Malaysia	Consolidated
Revenue from sales [1]	2020	61,251	17,576	10,835	2,346	778	92,786
	2021	**70,773**	**28,115**	**19,045**	**3,620**	**976**	**124,223**
Profit (Loss) before Tax [2]	2020	6,746	470	1,288	(19)	(24)	8,241
	2021	**8,016**	**1,579**	**1,209**	**286**	**-**	**11,655**
Reported Taxes	2020	1,203	(348)	139	11	(1)	1,001
	2021	**1,339**	**577**	**102**	**65**	**(1)**	**2,065**
Effective Tax Rate (%) [3]	2020	18%	N/A	11%	N/A	4%	12%
	2021	**17%**	**37%**	**8%**	**23%**	**N/A**	**18%**
Headline CIT Tax Rate (%)		20%	22%	20%	25%	24%	N/A
Cash Taxes Paid	2020	1,117	172	162	38	-	1,489
	2021	**1,406**	**512**	**191**	**78**	**-**	**2,247**
Cash Tax Rate (%)	2020	17%	37%	13%	N/A	0%	18%
	2021	**18%**	**32%**	**16%**	**27%**	**N/A**	**19%**
Additional Information: Total liability of taxes to government and local government authorities							
Corporate Income Tax	2020	1,343	151	134	5	-	1,633
	2021	**1,084**	**508**	**161**	**57**	**-**	**1,818**
Property Tax	2020	29	-	-	14	-	43
	2021	**5**	**1**	**-**	**14**	-	**20**
Specific Business Tax	2020	-	-	-	15	-	15
	2021	-	-	-	11	-	11
Others Tax	2020	1	35	26	-	3	65
	2021	**1**	**48**	**33**	**-**	**2**	**84**
Total Taxes	2020	1,373	186	160	34	3	1,756
	2021	**1,090**	**557**	**194**	**82**	**2**	**1,933**

[1] Sales Revenue breakdown by Geography based on customer's location
[2] Represent profit before share of profit of associates and income tax expense
[3] Calculated from reported taxes divided by profit before tax

In 2021, SCGP recognized income tax expenses amounted to Baht 2,065 million in consolidated financial statement and the calculated effective rate was 18%. The lower tax rate comparing to the corporation income tax rate in each country was mainly from tax privileges.

Total tax paid to government and local government authorities for the year 2021 amounted to 1,933 Million Baht.

Sustainability Performance Data
SCGP 2021 (ASEAN ex. - Thailand)

Environmental Performance

Production and Raw Materials

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Production (Thousan Tons)	2,220			610	0.1	6c
Total Raw Materials (Thousand Tons) EN0.1	2,712	GRI 301-1	25.4	610 630		6a, 6b
Recycled Materials (Thousand Tons) EN0.1	2,511	GRI 301-2	25.4	610 3501		6a, 6b
Renewable Materials (Ton) EN0.1	177	GRI 301-1			2.4.4	

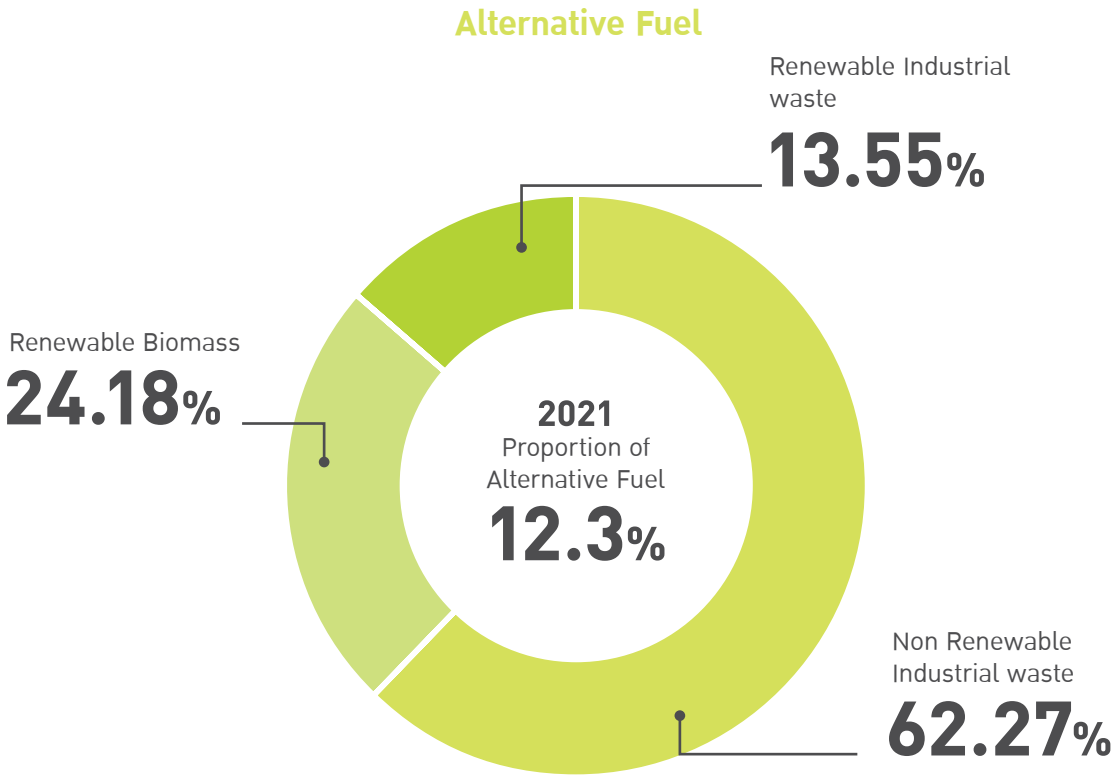
Greenhouse Gas Emissions

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
GHG Scope 1 (Million Tons CO2 equivalent) EN1,*	1.85	GRI 305-1	25.4 32.6	610 305 630	2.3.1	
GHG Scope 2 (Million Tons CO2 equivalent) EN1,*	0.24	GRI 305-2	25.4 32.6	610 305 630	2.3.2	
GHG Scope 1 and 2 (Million Tons CO2 equivalent) EN1	2.09		32.6	610 305 630		
Biogenic CO_2 (Million Tons CO_2 equivalent)	0.1					
GHG Emission Reduction compare with base year of 2020 (Million Tons CO_2 equivalent) EN1.1	-0.02	GRI 305-5	25.4 32.6	610 305 630		
GHG Emission Reduction compare with base year of 2020 (%)	-0.8	GRI 305-5	25.4 32.6	610 305 630		
GHG Emission (Tons CO_2 equivalent per Ton of Production)	0.94		32.6	610 305 630		
GHG Emission Target compare with base year of 2020 (Million Tons CO_2 equivalent) EN1.1	2.03		25.2 32.6	610 305	2.5.9	
GHG Emission Target (Tons CO_2 equivalent per Ton of Production)	0.91		25.2 32.6	610 305		

Energy Consumption

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Total Energy Consumption (Petajoules) EN2,*	23.27	GRI 302-1	25.4	610 305 630		
Heating and Steam Consumption (Petajoules) EN2,*	22.19	GRI 302-1	25.4	610 305 630		
Alternative Fuel (Petajoules) EN2 • Total Renewable Fuel* • Renewable Biomass • Renewable Industrial Waste • Non Renewable Industrial Waste	 1.03 0.66 0.37 1.7	 GRI 302-1 GRI 302-1 GRI 302-1 GRI 302-1	 25.4 25.4 25.4 25.4	 610 305 630	 2.3.3 2.3.3 2.3.3 2.3.3	
Proportion of Alternative Fuel (%) EN2	12.3	GRI 302-1	25.4	610 305 630		
Nonrenewable fuels (nuclear fuels, coal, oil, natural gas, etc.) Consumption (Petajoules)*	21.16	GRI 302-3	NA	2.3.3		

* Within Deloitte's limited assurance scope (page 106-107)



Energy Consumpiton

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Electrical Consumption (Gigawatt Hours) EN2,*	299.85	GRI 302-1	25.4	610 305 630		
Electricity Sold (Petajoules)*	0	GRI 302-1	25.4	610 305	2.3.3	
Energy Consumption Reduction compare with business as usual (BAU) at base year of 2007 (Petajoules)	1.55	GRI 302-4	25.4	610 305 630		
Energy Consumption Reduction compare with business as usual (BAU) at base year of 2007 (%)	6.2	GRI 302-4	25.4	610 305 630		
Energy Consumpiton (Gigajoules per Ton of Production)	10.48			610 305 630		
Energy Consumption Target compare with business as usual (BAU) at base year of 2007 (Petajoules)	24.82		25.2	610 305		
Energy Consumption Target (Gigajoules per Ton of Production)	11.18		25.2	610 305		

Water Withdrawal and Effluent Quality

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Total water withdrawal (Million Cubic Meter) EN3,*	24.80	GRI 303-3	25.4	3260 610 630		
Water withdrawal from freshwater (TDS ≤ 1,000 mg/L) (Million Cubic Meter) EN3,* • Surface water	16.07	GRI 303-3	25.4	3260 610	2.3.4	
• Groundwater	4.38	GRI 303-3	25.4	3260 610	2.3.4	
• Seawater	0	GRI 303-3	25.4	3260 610	2.3.4	
• Tap water or Third-party	4.35	GRI 303-3	25.4	3260 610	2.3.4	

Water Withdrawal and Effluent Quality

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Water withdrawal from freshwater (TDS > 1,000 mg/L) (Million Cubic Meter) EN3,* • Surface water	0	GRI 303-3	25.4	3260 610	2.3.4	
• Groundwater	0	GRI 303-3	25.4	3260 610	2.3.4	
• Seawater	0	GRI 303-3	25.4	3260 610	2.3.4	
• Tap water or Third-party	0	GRI 303-3	25.4	3260 610	2.3.4	
Water withdrawal from freshwater (TDS ≤ 1,000 mg/L) in water stress area (Million Cubic Meter) EN3,* • Surface water	0	GRI 303-3	25.4	3260 610	2.3.4	
• Groundwater	0	GRI 303-3	25.4	3260 610	2.3.4	
• Seawater	0	GRI 303-3	25.4	3260 610	2.3.4	
• Tap water or Third-party	0	GRI 303-3	25.4	3260 610	2.3.4	
Water withdrawal from freshwater (TDS > 1,000 mg/L) in water stress area (Million Cubic Meter) EN3,*						
• Surface water	0	GRI 303-3	25.4	3260 610		
• Groundwater	0	GRI 303-3	25.4	3260 610		
• Seawater	0	GRI 303-3	25.4	3260 610		
• Tap water or Third-party	0	GRI 303-3	25.4	3260 610		
Water Withdrawal Reduction compare with business as usual at base year of 2014 (Million Cubic Meter)	15.06			3260 610		
Water Withdrawal Reduction compare with business as usual at base year of 2014 (%)	37.80			3260 610		
Recycle Water (Million Cubic Meter)*	2.76		25.4	3260 610		
Proportion of Recycled Water (%)	10.00			3260 610		
Water Withdrawal (Cubic Meter per Ton of Production)	11.17			3260 610		
Water Withdrawal Target compare with business as usual at base year of 2014 (Million Cubic Meter)	39.87		25.2	3260 610		
Water Withdrawal Target (Million Cubic Meter per Ton of Production)	17.96		25.2	3260 610		
Water discharge to surface water (Million Cubic Meter) EN3	15.53	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge to groundwater (Million Cubic Meter) EN3	0	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge to seawater (Million Cubic Meter) EN3	0	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge to third-party water (total) (Million Cubic Meter) EN3	0.03	GRI 303-4	25.4	3260 610	2.3.4	
Third-party water sent for use to other organizations (Million Cubic Meter) EN3	0	GRI 303-4	25.4	3260 610	2.3.4	
Total water discharge (Million Cubic Meter) EN3	15.55	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge by freshwater (TDS ≤ 1,000 mg/L) (Million Cubic Meter) EN3	11.98	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge by other water (TDS > 1,000 mg/L) (Million Cubic Meter) EN3	3.58	GRI 303-4	25.4	3260 610	2.3.4	
Water discharge by freshwater (TDS ≤ 1000 mg/L) in water stress area (Million Cubic Meter) EN3	0	GRI 303-4	25.4	3260 610		
Water discharge by other water (TDS > 1,000 mg/L) in water stress area (Million Cubic Meter) EN3	0	GRI 303-4	25.4	3260 610		
BOD (Tons) EN3	1,288		25.4	3260 610		
COD (Tons) EN3	3,990		25.4	3260 610		
TSS (Tons) EN3	714		25.4	3260 610		

* Within Deloitte's limited assurance scope (page 106-107)

Waste Management/Air Emission/Environmental Expenditures and Benefits/Violations of Legal Obligations and Regulations

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Hazardous Waste Generation (Thousand Tons) EN4	60.97	GRI 306-3	25.4	610 630	2.3.5	
Hazardous Waste Generation (Kilograms per Ton of Production)	27.47			610		
Hazardous Waste Management EN4 • Reuse/Recycled/Other Recovery/Incineration with Energy Recovery (Thousand Tons)	47.30	GRI 306-4 GRI 306-5	25.4	610 3501	2.3.5	
• Incineration without energy recovery (Thousand Tons)	0.05	GRI 306-5	25.4	610	2.3.5	6e
• Landfilling (Tons)	14,804	GRI 306-5	25.4	610	2.3.5	6d
Hazardous Waste in the storage at the end of year (Thousand Tons) EN4	0.04		25.4	610		
Non Hazardous Waste Generation (Thousand Tons) EN4	380.09	GRI 306-3	25.4	610 630	2.3.5	
Non Hazardous Waste Generation (Kilograms per Ton of Production)	171.23			610		
Non Hazardous Waste Management EN4 • Reuse/Recycled/Other Recovery/Incineration with Energy Recovery (Thousand Tons)	340.61	GRI 306-5 GRI 306-4	25.4	610 3501	2.3.5	
• Incineration without energy recovery (Thousand Tons)	36.05	GRI 306-5	25.4	610	2.3.5	6e
• Landfilling (Tons)	2,945.86	GRI 306-5	25.4	610	2.3.5	6d
Non Hazardous Waste in the storage at the end of year (Thousand Tons) EN4	0.00		25.4	610		
Oxides of Nitrogen (Thousand Tons) EN5	NA	GRI 305-7	25.4	610		
Oxides of Nitrogen by CEMs (Thousand Tons) EN5	0.69					
Oxides of Sulfur (Thousand Tons) EN5	NA	GRI 305-7	25.4	610		
Oxides of Sulfur by CEMs (Thousand Tons) EN5	1.81					
Dust (Thousand Tons) EN5	NA	GRI 305-7	25.4	610		
Dust by CEMs (Thousand Tons) EN5	0.43					
Operating Expenses-Environment (Million Baht)	NA			610	2.2.3	
Capital Invesments-Environment (Million Baht)	NA			610	2.2.3	
Tax Incentives linked to environment investment	NA			610	2.2.3	
Number of violations of legal obligations/regulations (Number of Cases)	NA	GRI 307-1	25.4	610	2.2.4	
Amount of fines/penalties related to the above. (Baht)	NA	GRI 307-1			2.2.4	
Environmental liability accrued at year end. (Baht)	NA	GRI 307-1			2.2.4	

Waste diverted form disposal - ASEAN ex. - Thailand, GRI 306-4

2021 (Tons)					
	Inside SCGP		Outside SCGP		Total
	Onsite		Offsite		
	Factory	In SCGP	In SCG	Out SCG	
Hazardous Waste					
Reuse	0.00	0.00	0.00	237.27	**237.27**
Recycling	0.00	0.00	0.00	29,737.58	**29,737.58**
Other recovery operations	0.00	0.00	0.00	195.29	**195.29**
Treatment	0.00	0.00	0.00	0.00	**0.00**
Total	**0.00**	**0.00**	**0.00**	**30,170.14**	**30,170.14**
Non Hazardous Waste					
Reuse	0.00	0.00	0.00	12,816.73	**12,816.73**
Recycling	46,305.27	0.00	0.00	152,033.02	**152,033.02**
Other recovery operations	0.00	0.00	0.00	0.00	**0.00**
Treatment	0.00	0.00	0.00	0.00	**0.00**
Total	**46,305.27**	**0.00**	**0.00**	**164,849.75**	**164,849.75**

Waste directed to disposal - ASEAN ex. - Thailand, GRI 306-5

2021 (Tons)					
	Inside SCGP		Outside SCGP		Total
	Onsite		Offsite		
	Factory	In SCGP	In SCG	Out SCG	
Hazardous Waste					
Incineration (with energy recovery)	17,045.12	0.00	0.00	83.47	**17,128.59**
Incineration (without energy recovery)	0.00	0.00	0.00	54.93	**54.93**
Landfilling	0.00	0.00	0.00	14,804.02	**14,804.02**
Other disposal operations	0.00	0.00	0.00	257.82	**257.82**
Total	**17,045.12**	**0.00**	**0.00**	**15,200.24**	**32,245.35**
Non Hazardous Waste					
Incineration (with energy recovery)	129,459.92	0.00	0.00	0.00	**129,459.92**
Incineration (without energy recovery)	0.00	0.00	0.00	36,051.72	**36,051.72**
Landfilling	0.00	0.00	0.00	2,945.86	**2,945.86**
Other disposal operations	0.00	0.00	0.00	472.85	**472.85**
Total	**129,459.92**	**0.00**	**0.00**	**39,470.43**	**168,930.35**

EN0.1	
	Raw materials and recycled materials from both domestic and international factories are included in the volume of raw materials and recycle materials stated in Y2017-2020. Raw materials and recycled materials quantities domestic and international factories will be reported separately in Y2021.
EN1	**Greenhouse gas**
	Greenhouse gas means the amount of greenhouse gas emission from operations calculated in accordance with the WRI / WBCSD GHG Emissions Protocol "Greenhouse Gas Reporting and Calculation Guidelines", including calculation tools from the International Council of Forest and Paper Associations (ICGPA) as follows **1. Scope of reporting** 1.1 Greenhouse gases directly generated (Scope 1) It is arised from the production process or various activities with a source in the supervision and management of a company or factory, such as the emission of greenhouse gases arising from stationary combustion, Greenhouse gas emissions arising from moving combustion, Greenhouse gas emissions arising from the leak Emissions of greenhouse gases resulting from chemical reactions, Carbon dioxide emissions occurring from biomass burning and Lime Mud burning at Lime Kiln are reported separately from Scope 1 because the carbon contained in biomass, biogas and lime is of natural origin. 1.2 Greenhouse gas indirectly generated (Scope 2) It is caused by indirect greenhouse gas emissions from energy use, e.g. the amount of greenhouse gases generated from electricity, heat or steam imported from outside for internal consumption. 1.3 Greenhouse gases indirectly generated (Scope 3) It is arised from other indirect greenhouse gas emissions are the amount of GHGs arising from activities other than those specified in Category 1 and Type 2 (Existing During the study and collecting information in the section Transportation, Processing of sold products, use of sold products, End-of-life treatment of sold products)
EN1	**Greenhouse gas**
	2. Volume reporting 2.1 Calculation of greenhouse gas emissions from direct production processes (Scope 1) • Caused by the combustion process. • Report based on fuel consumption (By weight or volume), e.g. oil or natural gas x emission values referenced from the Thailand Greenhouse Gas Management Organization (Public Organization) (TGO) Other than TGO refer to "Intergovernmental Panel on Climate Change 2006", (IPCC) • Report based on fuel consumption. (Based on heat value) such as coal content x heat value x TGO-referenced greenhouse gas emissions in the event other than TGO Other than TGO refer to "Intergovernmental Panel on Climate Change 2006", (IPCC) 2.2 Calculation of greenhouse gas emissions indirectly (Scope 2) is reported from the purchase of electricity, steam x the greenhouse gas emission value based on TGO, producer or seller. **3. Greenhouse gas emission reporting** 3.1 Greenhouse gas emissions are reporting covers CO_2, CH_4, N_2O, HFCs, PFCs and SF_6, calculated and displayed in the form of carbon dioxide equivalent to the Global Warming Potential (GWP) set by the IPCC 3.2 Used the data of 2020 both Thailand and abroad (Include PT Fajar Surya Wisesa Tbk.) to serve as the base year to set target to reduce greenhouse gas emission 20 percent by 2030 and Net Zero by 2050.
EN1.1	
	1. The performance of greenhouse gas emission in 2017-2020 (Thailand only) was compared with Business as usual (BAU) at the base year 2007 and used the data of 2020 to serve as the base year to set target to reduce greenhouse gas emission both Thailand and abroad and Net zero by 2050.
EN2	**Energy**
	Total energy consumption includes all thermal and electricity used in the company/factory areas. For the details on thermal energy, the amount and ration of alternative fuel utilization is also presented, together with the addition of renewable biomass, renewable industrial waste and non-renewable industrial waste. • Thermal energy consumption = fuel weight or steam volume (Based on the volume purchased or stockpile changed) x Low Heating Value (provided by laboratory test or suppliers) • Electrical energy consumption = energy used in form of electrical currents that purchased from outsources electrical generators for companies / plants' activities and does not account self-generated electricity from fuel combustion since it can be considered as double-count for thermal energy. • Alternative Fuel = renewable biomass, renewable industrial waste and non-renewable industrial waste that can produce heat and energy. • Renewable biomass = fuel from wood chip, pin chip, bark and bagasse. • Renewable Industrial waste = fuels produced from renewable resources for examples black liquor from pulp process, biogas and sludge from wastewater treatment plant. • Non-renewable Industrial waste = waste material rejects including residue leftover from production processes such as waste rejects and used oil. • Renewable energy = Clean energy derived from nature are biomass (Biomass, Biogas, Sludge, Black Liquor), solar energy, wind power, hydropower, geothermal energy. To be used as a replacement for energy from fossil fuels.

EN3	Water
	• Water management (water withdrawal, water discharge, water treatment and water recycling) is considered in order to assess efficiency of water from various sources • Water withdrawal is the quantity of fresh water taken from external sources for used in production process, offices, maintenance and utilities. Sources of water are divided into surface water, groundwater, tap water and recycled water- the treated water returned to the process. It is obtaining data from accounting evidences or meter reading. • Effluent water quality is the quality of water discharged to external by measuring the Total Dissolved Solids (TDS). According to the standard methods to categorize the quality of water sources, there are 2 types of effluent water quality as follows • Freshwater TDS is less than or equal to 1,000 milligrams per litre. • Other water TDS more than 1,000 milligrams per litre. • Water recycling, the reused water in a factory's activities after treatment processes, excluding water that has not undergone the treatment process. • Effluent water quality is the quality of water discharged to external sources, such as BOD COD and Total Suspended Solids (TSS) with the quality of discharged water measured by a standard test method and volume of released water. • Water source quality is the quality of various water sources by measuring the Total Dissolved Solids (TDS). According to the standard methods to categorize the quality of water sources into 2 types as follows • Freshwater TDS is less than or equal to 1,000 milligrams per litre. • Other water TDS more than 1,000 milligrams per litre.

EN4	Industrial Waste
	Waste Management is considered to assess the production process efficiency, product quality improvement, and a decrease in production cost. SCGP has established "Waste Reporting Guideline" since March 2010 for waste data collection and calculation. The quantity of industrial waste is the amount of waste generated from the production process, excluding the waste that can be recycled in the production process (Work in process, WIP). Industrial wastes are divided into 2 categories comprising hazardous waste and non-hazardous waste as listed in the Ministry of Industry's 2005 Decree on the Disposal of Wastes and Unused Materials. **Volume Reporting** Waste or unused material at the place of origin or before entering the waste storage building is complied from weighting scale or estimation Industrial waste stock refers to the amount of waste that occurs but not yet managed or collected in storage areas is compiled from weighting scale or estimation The amount of industrial waste to be disposed of (Waste Manage) refers to the amount of waste, to be managed both inside and outside SCGP compiled from weighting scale only SCGP's internal waste management (Onsite) means waste management operated by companies within the scope of SCGP's management. SCGP's external waste management (Offsite) means waste management operated by companies outside the scope of SCGP's management.

EN5	Air Emission
	Air emissions are the quantity of air pollution such as NOx, SOx, and Particulate Matter deriving from combustions and being the components during the production process. Types of air pollutants depend upon each production process in which chemical substance is produced. The result and measurement method shall refer to the method required by laws such as US EPA or equivalent standard. Reporting on air emission quantity will be calculated based on concentration measured from random Spot Check conducted by laboratories certified and registered to the Department of Industrial Works, multiplied by hot air flow rate and production hours. Besides, SCGP measures the stack's emissions using continuous Emission Monitoring Systems (CEMs) • Consumer Industrial Packaging and Performance Polymer Packaging Business carried out the measurement of air pollution emissions from stacks by Spot Check. according to the actual conditions while measuring by a laboratory that is certified and registered with the Department of Industrial Works. • In 2021, Pulp and Paper business began to report the results of air pollution emissions from stack by Continuous Emission Monitoring System, CEMs). And 2020 data is used for both Thailand and abroad (Include PT Fajar Surya Wisesa Tbk.) with CEMs as the base year to determine air emission reduction targets. a. Oxides of Nitrogen 0.797 Thousand Tons b. Oxides of Sulfur 1.61 Thousand Tons c. Particulate Matter 0.35 Thousand Tons Note : Performance of abroad air emission in 2020 by Continuous Emission Monitoring System : CEMs

Social Performance

Health and Safety

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Lost Time Injury Frequency Rate : LTIFR (Cases per 1,000,000 hours worked) S1						
• Employee	1.726		40.5		3.7.3	
• Contractor	1.018		46.1		3.7.4	
Injury Severity Rate : ISR (Cases per 1,000,000 hours worked) S1						
• Employee	15.533					
• Contractor	12.657					
Total Number of Work-Related Fatalities (Cases) S1						
• Employee (male : female)	0 : 0		33.3 40.6	601 610		
• Contractor (male : female) (Workplace and Direct Transportation)	1 : 0		33.3 46.2	601 610		
Total Number of Fatalities from Work-Related in Workplace (Cases) S1						
• Employee (male : female)	0 : 0		33.3 40.6	601 610		
• Contractor (male : female)	1 : 0		33.3 46.2	601 610		
Total Number of Fatalities from Work-Related in Transportation (Cases) S1,*						
• Employee (male : female)	0 : 0	GRI 403-9	33.3 40.6	601 610		
• Direct Transportation Contractor (male : female)	0 : 0	GRI 403-9	33.3 46.2	601 610		
• Other Transportation Contractor (male : female)	0 : 0	GRI 403-9	33.3 46.2	601 610	3.7.2	
Number of Fatalities as a result of Work-Related Injury (Cases) S1,*						
• Employee	0	GRI 403-9	33.3 40.6	601 610		
Fatalities as a result of Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,*						
• Employee	0.000	GRI 403-9	33.3 40.6	601 610		
Number of Fatalities as a result of Work-Related Injury (Cases) S1,*						
• Contractor	1	GRI 403-9	33.3 46.2	601 610		
Fatalities as a result of Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,*						
• Contractor	0.145	GRI 403-9	33.3 46.2	601 610		
Number of High Consequence Work-Related Injury (Cases) S1,*						
• Employee	2	GRI 403-9	33.3	601 610		
High Consequence Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,*						
• Employee	0.144	GRI 403-9	33.3	601 610		
Number of High Consequence Work-Related Injury (Cases) S1,*						
• Contractor	0	GRI 403-9	33.3	601 610		
High Consequence Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,*						
• Contractor	0.000	GRI 403-9	33.3	601 610		
Number of Recordable Work-Related Injury (Cases) S1,*						
• Employee	41	GRI 403-9	33.3	601 610		
Recordable Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,*						
• Employee	2.948	GRI 403-9	33.3	601 610		
Number of Recordable Work-Related Injury (Cases) S1,*						
• Contractor	17	GRI 403-9	33.3	601 610		
Recordable Work-Related Injury Rate (Cases per 1,000,000 hours worked) S1,*						
• Contractor	2.473	GRI 403-9	33.3	601 610		
Hours worked (Hrs.) S1,*						
• Employee	13,905,474.47	GRI 403-9	33.3	601 610		
• Contractor	6,873,556.99	GRI 403-9	33.3	601 610		

Employees and Social Development

Performance	2021	GRI Standard	THSI	Ecovadis	CSA 2021	Circulytics
Number of employees (Persons)	14,496	GRI 102-8 GRI 102-7	33.3	601 610	0.1	
Employees represented by an independent trade union or covered by collective bargaining agreements (%) S2	100		33.3	601 610 561	3.2.6	
Number of new employees hire (Persons)	343	GRI 401-1	33.3	601 610	3.5.1	
Ratio of new employees hire (%)	6.0					
Voluntary employee turnover (Persons)	401	GRI 401-1	33.3 39.5	601 610	3.5.6	
Voluntary employee turnover rate (%)	7.0		39.5			
Total employee turnover (Persons)	401	GRI 401-1	33.3 39.5	601 610	3.5.6	
Total employee turnover rate (%)	7.0		39.5			
Employee engagement level (%) S3	79		39.2		3.5.7	
Average training and development of employee (Hour/Person)	2	GRI 404-1	33.3 37.4	601 610	3.4.1	
Average cost of hiring a new employee (Baht/Person)	608		37.4	601 610	3.4.1	

S1	**Data on Number of Employees and Contractors**
	1. Employee is a full-time employee according to an employment contract such as operational level, supervisory and technical staff level, and managerial level including intern (probationary) and special contracted employee. • Operator staffs are employees who use skills and techniques in their daily work. • Supervisory and professional staff are employees with specific duties or have subordinates at the operational level. • Management staffs are executives responsible for formulating strategies or policies and accountable for allocating work and overseeing subordinates to perform their duties according to the policy and daily work. • Special Contracts are those who work under a temporary contract with fixed starting and ending periods. 2. Contractor is a person who has been consented to work or provide service or benefit to the Company apart from the Company's employee as per the definition specified above, which could be divided into 3 groups as follows: 1) Workplace Contractor is a contractor that works for the organization, and whose work and/or workplace is controlled by the organization. (Exclude Transportation contractor.) 2) Direct Transportation Contractor is a transportation Contractor with operation under SCGP's brand. 3) Other Transportation Contractor without operation under SCGP's brand. Employees and workplace contractors data covered in the report will be calculated for the number of man-hours. Data on transportation contractors under SCG Logistics Management Co., Ltd., will be reported in kilometer. SCGP also defines a not under supervision contractor that the contractor is not under the control of the organization, whose work and/ or workplace is not controlled by the organization; including the third party that is anyone other than employees and not contractor who do not work for the organization, are not covered in this report.
	Calculation of hours worked
	1. Data from the clock-in system, HR database, accounting unit or relevant administrative unit. 2. Data from documents that specify hours worked such as timesheets, time records from the accounting department that pay wages, departments that have evidence of time record the number of hours worked or collected hours worked from Work Permit. 3. In case the companies/plants do not have a clock-in system or HR database, the below formula shall be employed to estimate the hours worked. Number of hours worked = [Number of Employees/Contractors x Number of working days x Number of normal hours worked (per day)] + number of total overtime hours worked. (only operational employees and contractors)
	Recording of Health and Safety Data
	SCGP records data on health and safety at work by dividing into 6 categories: 1. The number of fatalities is the number of work-related injuries resulting in fatality regardless of sudden death or suffering the consequences and dying later. 2. Injury Frequency Rate is total number of recordable work-related injury case (person) per 1,000,000 hours worked. 3. Lost Time Injury Frequency Rate is total number of recordable work-related lost time injury case (person) per 1,000,000 hours worked. Lost Time Injury accident refers to a work-related accident that causes an injury cannot come to work as usual on the next work day or in the next shift, including the injury and occupational illness that causes inability return to work, which is a consequence of the accident. 4. Injury Severity Rate is total number of lost workday (day) from recordable work-related lost time injury case (person) per 1,000,000 hours worked. 5. High-Consequence Work-related injury Rate is a total number of High-Consequence Work-related injury case (person) per 1,000,000 hours worked (excluded fatality). 6. Occupational Illness & Disease Frequency Rate refer to the total number of recordable Occupational Illness & Disease (person) - per 1,000,000 hours worked. SCGP changed the calculation rate based on a case or day/200,000 hours worked to a case or day/1,000,000 hours worked to be suitable to the organizational size and compared with other companies within the same industry. Since 2020, started to collect and calculate the data of High-Consequence Work-Related injury Rate.
S2	**Employees joining trade unions or working with the company covered by the Welfare Committee.**
S3	**Employee engagement level is conducted 2 years at a time.**

* Within Deloitte's limited assurance scope (page 106-107)

Subsidiaries Included in Sustainablity Report 2021
Performance data of Environmental Management, Health and Safety Management, and Sustainability Management System

	Business / Company	Country	Principal Business / Products	Total Direct / Indirect Holding (Percent)	Production	Environment													Society		Management System for Sustainability			
						Energy		Air				Water						Waste	Health & Safety					
						Thermal	Electricity	Dust	SO_x	NO_x	GHG	Water Withdrawal	Recycled Water	BOD	COD	TSS			Safety	Occupational Illness	ISO 9001	ISO 14001	ISO 45001, TIS/ OHSAS 18001	FSC
1	SCG Packaging Public Company Limited	Thailand	Office																✓	✓				
	Subsidiaries																							
2	Thai Containers Group., LTD (Navanakorn)	Thailand	Fiber-Based Packaging	70	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Pathumthani)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Samutprakan)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Ratchaburi)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Songkhla)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Chonburi)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Prachinburi)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Saraburi)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Kamphaeng Phet)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Containers Group., LTD (Bang Sue)	Thailand	Office																✓	✓				
3	Thai Containers Khonkaen Co., Ltd.	Thailand	Fiber-Based Packaging	70	✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	✓
4	Thai Containers Rayong Co., Ltd.	Thailand	Fiber-Based Packaging	70	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Tawana Containers Co., Ltd.	Thailand	Fiber-Based Packaging	50	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Orient Container Co., Ltd. (Samutsakhon)	Thailand	Fiber-Based Packaging	70	✓	✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	✓
	Orient Container Co., Ltd. (Omnoi)	Thailand	Fiber-Based Packaging		✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Orient Container Co., Ltd. (Narkorn Pathom)	Thailand	Fiber-Based Packaging		✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	X	✓	✓
7	New Asia Industries Co., Ltd.	Vietnam	Fiber-Based Packaging	70	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	ND	✓	✓	X	✓
8	Alcamax Packaging (Vietnam) Co., Ltd.	Vietnam	Fiber-Based Packaging	70	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	ND	✓	✓	X	✓
9	Packamex (Vietnam) Co., Ltd.	Vietnam	Fiber-Based Packaging	70																				
10	AP Packaging (Hanoi) Co., Ltd.	Vietnam	Fiber-Based Packaging	70	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	ND	✓	✓	X	✓
11	PT Primacorr Mandiri	Indonesia	Fiber-Based Packaging	68	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	ND	✓	✓	X	✓
12	PT Indoris Printingdo	Indonesia	Fiber-Based Packaging	70	✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	✓	✓	ND	✓	✓	X	✓
13	PT Indocorr Packaging Cikarang	Indonesia	Fiber-Based Packaging	70	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	ND	✓	X	X	✓
14	SCGP Solutions Co., Ltd.	Thailand	Holding Company	100																				
15	Precision Print Co., Ltd.	Thailand	Fiber-Based Packaging	75	✓	✓	✓	NR	NR	NR	✓	✓	NR	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓
16	TCG Solutions Pte. Ltd.	Singapore	Holding Company	70																				
17	Bien Hoa Packaging Joint Stock Company	Vietnam	Fiber-Based Packaging	66																				
18	TCG Rengo (S) Limited *	Singapore	Fiber-Based Packaging	70																				
19	PT Indonesia Dirtajaya Aneka Industri Box.	Indonesia	Fiber-Based Packaging	53																				
20	PT Bahana Buana Box	Indonesia	Fiber-Based Packaging	53																				
21	PT Rapipack Asritama	Indonesia	Fiber-Based Packaging	53																				
22	Siam Kraft Industry Co., Ltd (Kanchanaburi)	Thailand	Packaging Paper	100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Siam Kraft Industry Co., Ltd (Ratchaburi)	Thailand	Packaging Paper		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Siam Kraft Industry Co., Ltd (Bang Sue)	Thailand	Office																✓	✓				
23	Vina Kraft Paper Co., Ltd.	Vietnam	Packaging Paper	70	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	ND	✓	✓	✓	✓
24	Thai Cane Paper Public Company Limited (Kanchanaburi)	Thailand	Packaging Paper	98	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Thai Cane Paper Public Company Limited (Prachin Buri)	Thailand	Packaging Paper		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	United Pulp and Paper Co., Inc.	Philippines	Packaging Paper	75	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	ND	✓	✓	✓	✓
26	SCGP Solutions (Singapore) Pte. Ltd.	Singapore	Holding Company	100																				
27	PT Fajar Surya Wisesa Tbk.	Indonesia	Packaging Paper	55	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	ND	✓	✓	✓	✓
28	PT Dayasa Aria Prima	Indonesia	Packaging Paper	55																				
29	SCG Paper Energy Co., Ltd.	Thailand	Energy and utilities	100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		X	X	X	NR
30	SCGP-T Plastic Co., Ltd.	Thailand	Holding Company	51																				
31	Conimex Co.,Ltd	Thailand	Rigid Packaging	38	✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	X	X	NR
32	SCGP Rigid Plastics Co., Ltd	Thailand	Holding Company	100																				
33	Visy Packaging (Thailand) Limited	Thailand	Rigid Packaging	100																				
34	TC Flexible Packaging Co., Ltd.	Thailand	Holding Company	53																				
35	Prepack Thailand Co., Ltd. (Samutsakhon)	Thailand	Flexible Packaging	52	✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	NR
	Prepack Thailand Co., Ltd. (Samutsongkhram)	Thailand	Flexible Packaging		✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	NR
	Prepack Thailand Co., Ltd. (Rayong)	Thailand	Flexible Packaging		✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓	NR
36	Tin Thanh Packing Joint Stock Company	Vietnam	Flexible Packaging	52	✓	✓	✓	✓	✓	✓	✓	✓	NR	✓	✓	✓	✓	✓	ND	✓	✓	✓	NR
37	SCGP Rigid Packaging Solutions Pte. Ltd.	Singapore	Holding Company	100																				
38	Duy Tan Plastics Manufacturing Corporation	Vietnam	Rigid Packaging	70																				
39	Duy Tan Long An Company Limited	Vietnam	Rigid Packaging	70																				
40	Duy Tan Precision Mold Company Limited	Vietnam	Rigid Packaging	70																				
41	Duy Tan Binh Duong Plastics Company Limited	Vietnam	Rigid Packaging	70																				

Subsidiaries Included in Sustainablity Report 2021
Performance data of Environmental Management, Health and Safety Management, and Sustainability Management System

	Business / Company	Country	Principal Business / Products	Total Direct / Indirect Holding (Percent)	Production	Environment												Society		Management System for Sustainability			
						Energy		Air				Water					Waste	Health & Safety					
						Thermal	Electricity	Dust	SO_x	NO_x	GHG	Water Withdrawal	Recycled Water	BOD	COD	TSS		Safety	Occupational Illness	ISO 9001	ISO 14001	ISO 45001, TIS/ OHSAS 18001	FSC
42	MATA Plastic Company Limited	Vietnam	Rigid Packaging	70																			
43	International Healthcare Packaging Co., Ltd	Thailand	Holding Company	100																			
44	Deltalab Global, S.L.U.	Spain	Holding Company	85																			
45	Deltalab, S.L.	Spain	Medical Supplies and labware	85																			
46	Keylab, S.L.	Spain	Medical Supplies and labware	85																			
47	Nirco, S.L.	Spain	Medical Supplies and labware	85																			
48	Envases Farmaceuticos, S.A.	Spain	Medical Supplies and labware	85																			
49	Equilabo Scientific, S.L.	Spain	Medical Supplies and labware	85																			
50	Sanilabo, S.L.	Spain	Medical Supplies and labware	85																			
51	Phoenix Pulp & Paper Puclic Company Limited	Thailand	Food Service Product / Pulp and paper products	70	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
52	Thai Paper Co., Ltd (Paper Production)	Thailand	Food Service Product / Pulp and paper products	70	✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓
	Thai Paper Co., Ltd (Fest Hub)	Thailand	Food Service Product / Pulp and paper products		✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	✓	✓	✓	X	X	X	X
	Thai Paper Co., Ltd (Pulp Production-Banpong)	Thailand	Food Service Product / Pulp and paper products		✓	✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓
	Thai Paper Co., Ltd (Pulp Production-Wangsala)	Thailand	Food Service Product / Pulp and paper products		✓	✓	✓	✓	✓	✓	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	✓	✓	✓
	Thai Paper Co., Ltd (Bangsue)	Thailand	Office															✓	✓				
53	Go-Pak UK Limited	United Kingdom	Food Service Product	100																			
54	Go-Pak Vietnam Limited	Vietnam	Food Service Product	100																			
55	Go-Pak Paper Products Vietnam Company Limited	Vietnam	Food Service Product	100																			
56	Pheonix Utilities Co., Ltd.	Thailand	Utilities	70	✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	NR	✓	✓	✓	✓	✓	NR
57	Interpress Printers Sendirian Berhad*	Malaysia	Food Service Product	68	✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	NR	✓	ND	X	X	X	✓
58	The Siam Forestry Co., Ltd	Thailand	Forestry	70	✓	✓	✓	NR	NR	NR	✓	NR	NR	NR	NR	NR	NR	✓	✓	✓	X	✓	✓
59	Siam Panawes Co., Ltd.	Thailand	Forestry	70	✓	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
60	Suanpa Rungsaris Co., Ltd	Thailand	Forestry	70	✓	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
61	Panas Nimit Co., Ltd	Thailand	Forestry	70	✓	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
62	Thai Panaboon Co., Ltd	Thailand	Forestry	70	✓	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
63	Thai Panaram Co., Ltd	Thailand	Forestry	70	✓	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
64	Thai Panadorn Co., Ltd	Thailand	Forestry	70	✓	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
65	Thai Panason Co., Ltd	Thailand	Forestry	70	✓	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
66	Thai Wanabhum Co., Ltd	Thailand	Forestry	70	✓	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
67	SCGP Excellence Training Co., Ltd.	Thailand	Training	100														✓	✓				
68	Invenique Co., Ltd	Thailand	Asset and Intellectual Property Management	100																			
69	United Industrial Energy Corporation	Philippines	Holding Company	100																			
	Associates and Other subsidiaries																						
1	Siam Toppan Packaging Co., Ltd	Thailand	Fiber-Based Packaging	49																			
2	P&S Holdings Corporation	Philippines	Holding Company	40																			
3	Siam Nippon Industrial Paper Co., Ltd	Thailand	Specialty Paper	31	✓	✓	✓	NR	NR	NR	✓	✓	NR	NR	NR	NR	✓	✓	✓	✓	X	X	✓
4	Sahagreen Forest Co., Ltd.	Thailand	Energy and utilities	17																			

NR = Non Relevance Information (businesses are on operation but their data is irrelevant or significant)

ND = Not disclose this year

Office/Investment/Sales/Service where the collection of data is not necessary and non-production companies

Greenfield (less than 3 years) or newly acquired companies (less than 4 years) is not required to incorporate environmental, safety and occupational illness data into SCGP

The Sustainability Management system excludes joint-venture, associates and other companies with non rerelvant (NR) and or insignificant data to be disclosed

The Percentage of SCGP companies achieving International Standard Certification; ISO 9001 93%, ISO14001 82%, ISO 45001 and TIS/OHSAS 18001 73% and FSC™ 97% (Considering by e company)

The Data reporting of SCG Packaging Public Company Limited includes Headquarters office, organizations under SCGP.

PT Fajar Surya Wisesa Tbk. Subsidiary disclosed Environment, health, and safety data before the criteria set by SCGP, because there were PT Fajar Surya Wisesa Tbk's data of setting targets to reduce greenhouse gas and air pollution emissions.

Deloitte.

บริษัท ดีลอยท์ ทู้ช โธมัทสุ ไชยยศ
สอบบัญชี จำกัด
อาคาร เอไอเอ สาทร ทาวเวอร์ ชั้น 23-27
11/1 ถนนสาทรใต้
แขวงยานนาวา เขตสาทร
กรุงเทพฯ 10120

โทร +66 (0) 2034 0000
แฟกซ์ +66 (0) 2034 0100

Deloitte Touche Tohmatsu Jaiyos
Audit Co., Ltd.
AIA Sathorn Tower, 23rd – 27th Floor
11/1 South Sathorn Road
Yannawa, Sathorn
Bangkok 10120 , Thailand

Tel: +66 (0) 2034 0000
Fax: +66 (0) 2034 0100
www.deloitte.com

INDEPENDENT LIMITED ASSURANCE REPORT ON SCGP SUSTAINABILITY REPORT 2021

To Sustainable Development Committee of SCG Packaging Public Company Limited

Scope of our work

SCG Packaging Public Company Limited ("SCGP") has engaged Deloitte Touche Tohmatsu Jaiyos Audit Co., Ltd. ("we" or "us") to perform limited assurance procedures on selected subject matters ("the Subject Matter") for the year ended December 31, 2021 presented in the SCGP Sustainability Report 2021 ("the Sustainability Report") in accordance with the reporting criteria ("the Criteria").

Subject Matter

The selected Subject Matter chosen by SCGP comprises:

a) Environmental dimension performance indicators expressed numerically
   - Energy consumption (petajoules)
   - Greenhouse gas emissions scope 1 & 2 (million tons)
   - Water withdrawal (million cubic meters) and recycled water (million cubic meters)
   - Water discharge (million cubic meters)
   - Total weight of waste by type and disposal method (tons)
   - Oxides of Nitrogen (NO_x), Oxides of Sulfur (SO_x), and dust emissions data (thousand tons)

b) Social dimension performance indicators
   - Number and rate of fatalities, high-consequence work-related injuries, recordable work-related injuries and number of hours worked
   - Number of fatalities as a result of work-related ill health, number of cases of recordable work-related ill health
   - Ratio of the basic salary and remuneration of women to men

Criteria

The Subject Matter above included in the Sustainability Report has been assessed according to the reporting principle prepared by SCGP in "About this report" which is in accordance with the Sustainability Reporting Standards - Core issued by the Global Reporting Initiative (GRI Standards), and the WBCSD/WRI Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, where relevant, and influenced by Sustainability Accounting Standards issued by Sustainability Accounting Standards Board (SASB), where relevant.

Basis of our work and level of assurance

We carried out limited assurance in accordance with International Standard on Assurance Engagements 3000 ("ISAE 3000") "Assurance Engagements other than Audits or Reviews of Historical Financial Information" and International Standard on Assurance Engagements 3410 ("ISAE 3410") "Assurance Engagements on Greenhouse Gas Statements".

To achieve limited assurance ISAE 3000 and ISAE 3410 require that we review the process and systems used to compile the areas on which we provide assurance. It does not include detailed testing of source data or the operating effectiveness of processes and internal controls. This provides less assurance and it substantially less in scope than a reasonable assurance engagement.

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior.

We have applied International Standard on Quality Control 1 and accordingly maintains a comprehensive system of quality control including documented policies and procedure regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

MAKING AN IMPACT THAT MATTERS since 1845

Inherent limitation

Inherent limitation exists in all assurance engagements due to the selective testing of the information being examined. Therefore fraud, errors or non-compliance may occur and not be detected. Additionally, non-financial data may be subject to more inherent limitations than financial data, given both its nature and the methods used for determining, calculating and estimating such data. Greenhouse gases quantification is subject to inherent uncertainty because of incomplete scientific knowledge used to determine emissions factors and the values needed to combine emissions of different gases.

Key assurance procedures

Considering the risk of material error, we planned and performed the work to obtain all the information and explanations considered necessary to provide sufficient evidence to support our assurance conclusion.

The assurance procedures included the following work:

- interviewing SCGP's management, included the Sustainable Development team and those with operational responsibility for performance in the areas we are report on
- visiting selected two sites:
  - Siam Kraft Industry Co., Ltd. (Kanjanaburi plant), and
  - Vina Kraft Paper Co., Ltd.
- completing analytical procedures
- reviewing the appropriateness of management review and reporting processes
- reviewing the process which the management used in materiality assessment
- performing testing of selected data on sampling basis, and
- reviewing the process for consolidating data at a business level and corporate level.

As a limited assurance engagement generally comprises of making enquiries, primarily of management, and applying analytical procedures and the work is substantially less detailed than that undertaken for a reasonable assurance engagement the level of assurance is lower than would be obtained in a reasonable assurance engagement.

Respective responsibilities of the Management and Independent assurance provider

The management of SCGP is responsible for the preparation of the Sustainability Report which is accordance with the Sustainability Reporting Standards - Core issued by the Global Reporting Initiative (GRI Standards), Sustainability Accounting Standards issued by Sustainability Accounting Standards Board (SASB), the WBCSD/WRI Greenhouse Gas Protocol: A Corporate Accounting, where relevant, and determining the adequacy of the Criteria to meet the reporting needs of SCGP. Management's responsibility also includes designing, implementing and maintaining of internal control system relevant to the preparation and fair presentation of the selected Subject Matter that is free from material misstatement, whether due to fraud or error.

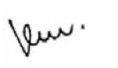
Our responsibility is to independently express limited assurance opinion in accordance with ISAE 3000 and ISAE 3410 on the selected Subject Matter.

Limitation of Use

This report has been prepared in accordance with our engagement terms, solely for the SCGP Sustainable Development Committee as a body, for the purpose of reporting on the selected Subject Matter within the Sustainability Report. To the fullest extent permitted by the law, we do not accept or assume responsibility to anyone other than the SCGP Sustainable Development Committee for our work or for this report, or for any other purpose other than that for which this report was prepared.

Our assurance opinion

Based on the work described above, nothing has come to our attention that causes us to believe that the selected Subject Matter for the year ended December 31, 2021 included in the SCGP Sustainability Report 2021 has not been prepared, in all material respects, in accordance with the Criteria.



Kasiti Ketsuriyonk
Partner
Deloitte Touche Tohmatsu Jaiyos Audit Co., Ltd.

Bangkok, Thailand
February 14, 2022

International Standard Indices

GRI Content Index

SCGP follows the Global Reporting Initiative's (GRI) Sustainability Reporting Standards in our Sustainability Report.

This report has been prepared in accordance with the GRI Standards: Core option. Topic-specific disclosures with a refernce to external assurance in the GRI content index have been externally assured by an independent third party Deloitte Touche Tohmatsu Jaiyos Co., Ltd. The independt Assurance Report is available in SCGP's sustainability Report on page 100-107. The index below shows where the GRI disclosures are addressed in the One report (OR) or the Sustainability Report (SR).

GRI Standards Disclosure		Location (OR/ SR)	External Assurance	
			Thailand	Asean ex - Thailand
GRI 102: General Disclosure				
1. Organizational Profile				
102-1	Name of the organization	SR COVER		
102-2	Activities, brands, products, and services	OR inside front cover, SR6, 10		
102-3	Location of headquarters	OR inside front cover		
102-4	Location of operations	SR7		
102-5	Ownership and legal form	OR inside front cover, OR53		
102-6	Markets served	OR43		
102-7	Scale of the organization	SR12, 91		
102-8	Information on employees and other workers	SR89, 91, 102		
102-9	Supply chain	SR61-62		
102-10	Significant changes to the organization and its supply chain	SR78-79		
102-11	Precautionary Principle or approach	OR62-75		
102-12	External initiatives	SR35		
102-13	Membership of associations	SR68		
2. Strategy				
102-14	Statement from senior decision-maker	SR3		
102-15	Key impacts, risks, and opportunities	SR27-29, 32-33, 36-37		
3. Ethics and Integrity				
102-16	Values, principles, standards, and norms of behavior	SR4-5, SR39-42		
102-17	Mechanisms for advice and concerns about ethics	SR41-42		
4. Governance				
102-18	Governance structure	SR26, OR127		
102-20	Executive-level responsibility for economic, environmental, and social topics	SR26		
5. Stakeholder Engagement				
102-40	List of stakeholder groups	SR32, OR82-84		
102-41	Collective bargaining agreements	SR91, 102		
102-42	Identifying and selecting stakeholders	SR30-31, 32-33, 36-37, OR82-84		
102-43	Approach to stakeholder engagement	SR32-33, OR82-84		
102-44	Key topics and concerns raised	SR32-33, OR82-84		
6. Reporting Practice				
102-45	Entities included in the consolidated financial statements	OR56-60		
102-46	Defining report content and topic Boundaries	SR36-37		
102-47	List of material topics	SR34		
102-48	Restatements of information	SR78		
102-49	Changes in reporting	SR79		
102-50	Reporting period	SR78		
102-51	Date of most recent report	SR78		
102-52	Reporting cycle	SR78		
102-53	Contact point for questions regarding the report	SR79		
102-54	Claims of reporting in accordance with the GRI Standards	SR79		
102-55	GRI content index	SR109-110		
102-56	External assurance	SR106-107		
GRI 103: Management Approach				
103-1	Explanation of the material topic and its Boundary	SR36-37		
103-2	The management approach and its components	SR39-76		
103-3	Evaluation of the management approach	SR39-76		

GRI Standards Disclosure		Location (OR/ SR)	External Assurance	
			Thailand	Asean ex - Thailand
Economics				
Economic Performance				
201-1	Direct economic value generated and distributed	SR93, OR2		
202-2	Proportion of senior management hired from the local community	SR89		
205-2	Communication and training about anti-corruption policies and procedures	SR39-42		
Environment				
301-1	Materials used by weight or volume	SR80		
301-2	Recycled input materials used	SR80		
Energy				
302-1	Energy consumption within the organization	SR52-55, 81-82, 95-96	✓	✓
302-4	Reduction of energy consumption	SR52-55, 81-82, 95-96		
Water and Effluents (2018)				
303-1	Interactions with water as a shared resource	SR56-58, 82-84, 96-97		
303-2	Management of water discharge-related impacts	SR76		
303-3	Water withdrawal	SR82-84, 87, 96-97, 101	✓	✓
303-4	Water discharge	SR83, 97	✓	
Biodiversity				
304-1	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	SR59-60		
Emissions				
305-1	Direct (Scope 1) GHG emissions	SR52-55, 80-81, 95	✓	✓
305-2	Energy indirect (Scope 2) GHG emissions	SR52-55, 80-81, 95	✓	✓
305-5	Reduction of GHG emissions	SR52-55, 80-81, 95		
305-7	Nitrogen oxides (NO_x), sulfur oxides (SO_x), and other significant air emissions	SR75-76, 84, 98	✓	
Waste (2020)				
306-3	Waste Generated	SR84	✓	
306-4	Waste Diverted from Disposal	SR84-85	✓	
306-5	Waste Directed from Disposal	SR84-85	✓	
307-1	Non-compliance with environmental laws and regulations	SR84		
307-1	Amount of fines/penalties related to the above	SR84		
307-1	Environmental liability accrued at year end	SR84		
Social				
Occupational Health and Safety (2018)				
403-1	Occupational health and safety management system	SR48-51, OR78		
403-2	Hazard identification, risk assessment and incident investigation	SR49-50		
403-3	Occupational health services	SR49		
403-4	Worker participation, consultation, and communication on occupational health and safety	SR48-51		
403-5	Worker training on occupational health and safety	SR48-51		
403-6	Promotion of worker health	SR49		
403-7	Prevention of worker health and safety impacts directly linked by business relationships	SR48-51		
403-9	Work-related injuries	SR48, 88-89, 102, OR78, 85-87	✓	✓
403-10	Work-related ill health	SR48, 88-89, 102, OR78, 85-87	✓	
Training and Education				
404-1	Average hours of training per year per employee	SR91, 102		
405-1	Diversity of governance bodies and employees	SR89		
405-2	Ratio of basic salary and remuneration of women to men	SR90	✓	
Human Rights Assessment				
412-2	Employee training on human rights policies or procedures	SR65-68		
Local Communities				
413-1	Operations with local community engagement, impact assessments, and development programs	SR69-72		

United Nations Global Compact (UNGC)

Communication on Progress

Criteria of UNGC Advanced Level		Disclose	
		AR	SR
Implementing the Ten Principles into Strategies & Operations	Criterion 1: The COP describes mainstreaming into corporate functions and business units	8-9	3-4
	Criterion 2: The COP describes value chain implementation	80-84	30-33, 46-47, 61-62
• Robust Human Rights Management Policies & Procedures	Criterion 3: The COP describes robust commitments, strategies or policies in the area of human rights	69	28, 65-68
	Criterion 4: The COP describes effective management systems to integrate the human rights principles	111, 118	42, 65-68
	Criterion 5: The COP describes effective monitoring and evaluation mechanisms of human rights integration	62-66, 69	65-68
• Robust Labour Management Policies & Procedures	Criterion 6: The COP describes robust commitments, strategies or policies in the area of labour	63-68, 166-167	63-64
	Criterion 7: The COP describes effective management systems to integrate the labour principles		63-64, 89-91, 102
	Criterion 8: The COP describes effective monitoring and evaluation mechanisms of labour principles integration		13, 63-64, 89-91, 102
• Robust Environmental Management Policies & Procedures	Criterion 9: The COP describes robust commitments, strategies or policies in the area of environmental stewardship	78 85-87	19-22, 25, 43-45 52-60, 70-76 80-87, 95-101
	Criterion 10: The COP describes effective management systems to integrate the environmental principles		
	Criterion 11: The COP describes effective monitoring and evaluation mechanisms for environmental stewardship		
• Robust Anti-Corruption Management Policies & Procedures	Criterion 12: The COP describes robust commitments, strategies or policies in the area of anti-corruption	116, 195	39-41
	Criterion 13: The COP describes effective management systems to integrate the anti-corruption principle	195	41-42
	Criterion 14: The COP describes effective monitoring and evaluation mechanisms for the integration of anti-corruption		
Taking Action in Support of Broader UN Goals and Issues	Criterion 15: The COP describes core business contributions to UN goals and issues	76-79	35
	Criterion 16: The COP describes strategic social investments and philanthropy	6	91
	Criterion 17: The COP describes advocacy and public policy engagement	30	3-4
	Criterion 18: The COP describes partnerships and collective action	25-27	17-22, 55
Corporate Sustainability Governance and Leadership	Criterion 19: The COP describes CEO commitment and leadership	8-9	3
	Criterion 20: The COP describes Board adoption and oversight	10-15	26
	Criterion 21: The COP describes stakeholder engagement	82-84	32-33

Task Force on Climate-related Financial Disclosures (TCFD)

Recommendations		Disclose	
		AR	SR
GOVERNANCE	Disclose the organization's governance around climate-related risks and opportunities.		
	a) Describe the board's oversight of climate-related risks and opportunities.	62-66	26
	b) Describe management's role in assessing and managing climate-related risks and opportunities		
STRATEGY	Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's business, strategy, and financial planning where such information is material.		
	a) Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term.	73	27-29 52-55 56-58
	b) Describe the impact of climate-related risks and opportunities on the organization's business, strategy, and financial planning.		
	c) Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario.		
RISK MANAGEMENT	Disclose how the organization identifies, assesses, and manages climate-related risks.		
	a) Describe the organization's processes for identifying and assessing climate-related risks.	62-75	26-29 52-55 56-58
	b) Describe the organization's processes for managing climate related risks.		
	c) Describe how processes for identifying assessing, and managing climate-related risks are integrated into the organization's overall risk management.		
METRICS and TARGETS	Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.		
	a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.	78-79	13, 19, 46, 52, 56
	b) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.	85-87	52, 80-82, 95-96
	c) Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets.	73, 78-79, 85-87	13, 19, 43, 52, 56, 80-82, 95-96

AR = Annual Report 2021

SR = Sustainability Report 2021

Sustainability Accounting Standards Board Response (SASB)

SASB Content Index					
Topic	**Disclosure Code**	**Disclosure Title**	**Page**	**Disclosure or Additional Explanation**	**Unit**
Greenhouse Gas Emissions	**RT-CP-110a.1**	Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations	52, 80, 95		Metric tons (t co_2e) Percentage (%)
	RT-CP-110a.2	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	52-55		N/A
Air Quality	**RT-CP-120a.1**	Air emissions of the following pollutants: (1) NO_x (excluding N_2O), (2) SO_x, (3) volatile organic compounds (VOCs), and (4) particulate matter (PM)	84, 98		Metric tons (t)
Energy Management	**RT-CP-130a.1**	(1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable, (4) total self-generated energy	81-82 95-96		Gigajoules (GJ) Percentage (%)
Water Management	**RT-CP-140a.1**	(1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	83 96-97		Thousand cubic meters (m^3) Percentage (%)
	RT-CP-140a.2	Description of water management risks and discussion of strategies and practices to mitigate those risks	56-58		Number
	RT-CP-140a.3	Number of incidents of non-compliance associated with water quality permits, standards, and regulations		0 Case	Number
Waste Management	**RT-CP-150a.1**	Amount of hazardous waste generated, percentage recycled	84 98	2,980 (Thailand) 60,973 (ASEAN ex-Thailand)	Metric tons (t)
Product Safety	**RT-CP-250a.1**	Number of recalls issued, total units recalled			Number
	RT-CP-250a.2	Discussion of process to identify and manage emerging materials and chemicals of concern	43-44	0 Case	N/A
Product Lifecycle Management	**RT-CP-410a.1**	Percentage of raw materials from: (1) recycled content, (2) renewable resources, and (3) renewable and recycled content	80, 95		Percentage (%) by weight
	RT-CP-410a.2	Revenue from products that are reusable, recyclable, and/or compostable		2,102 MB (Recyclable Polymer Container)	Reperting Currency
	RT-CP-410a.3	Discussion of strategies to reduce the environmental impact of packaging throughout its lifecycle	19		N/A
Supply Chain Management	**RT-CP-430a.1**	Total wood fiber procured, percentage from certified sources	60	2,564,620 ton 100% of FSC-COC	Metric tons (t) Percentage (%)
	RT-CP-430a.2	Total aluminum purchased, percentage from certified sources		Not Applicable	Metric tons (t) Percentage (%)
Activity Metric	**RT-CP-000.A**	Amount of production, by substrate	80, 95		Metric tons (t) Percentage (%)
	RT-CP-000.B	Percentage of production as: (1) paper/wood, (2) glass, (3) metal, and (4) plastic		Annual Report 2021 P.34 (1) 92% (2) 8%	Percentage (%) by revenue
	RT-CP-000.C	Number of employees	80, 102		Number


SCG SCGP
SCG SCGP
TRAO TẶNG


SCGP


BE
MOR
CREATIV


CENTRALPATTANA
BOXES
TO BEDS
เปลี่ยนกล่อง
กระดาษลูกฟูก
เป็น เตียงสนาม
กระดาษ SCGP
#มั่นใจก้าวไปด้วยกัน
เปลี่ยนกล่องกระดาษลูกฟูก
เป็น เตียงสนาม
กระดาษ SCGP
ส่งต่อกำลังใจ พลังบวก
และความช่วยเหลือให้โรงพยาบาลสนามสู้โควิด-19
#มั่นใจก้าวไปด้วยกัน


นม
โรงเรียน


ฆ่าเชื้อโรค
ถนอมมือ
ด้วยสูตร
Aquacella
เพิ่มความ
ชุ่มชื้นให้ผิว


SCGP


PLASTIC

SCGP

SCG PACKAGING PUBLIC COMPANY LIMITED
1 SIAM CEMENT RD., BANGSUE, BANGKOK 10800, THAILAND
TEL: +66 2586 3333 FAX: +66 2587 0738

E-mail: scgpackaging@scg.com
www.scgpackaging.com