

Financial Overview

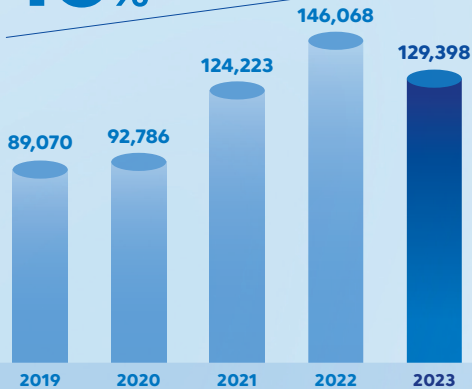
SCG Packaging Public Company Limited and its Subsidiaries

Unit : Baht million

Revenue from Sales

CAGR
2019 - 2023 :

10%



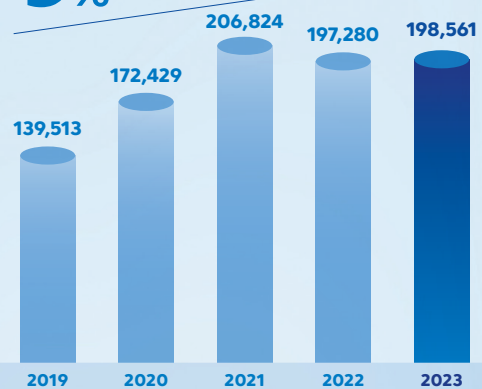
Revenue from sales by end destinations
outside Thailand (%)



Total Assets

CAGR
2019 - 2023 :

9%



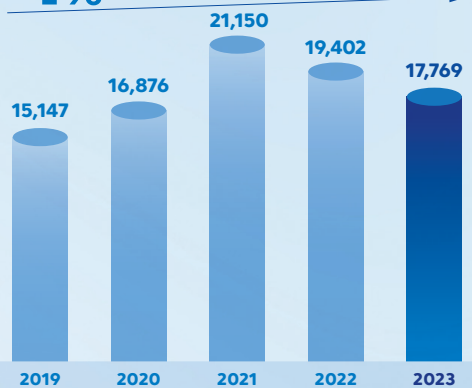
Debt to equity ratio (Times)



EBITDA*

CAGR
2019 - 2023 :

4%



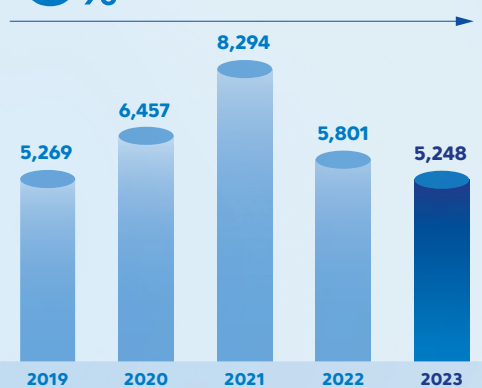
EBITDA margin (%)



Profit for the year**

CAGR
2019 - 2023 :

0%



Net profit margin (%)



* Profit before finance costs, income tax expense, depreciation and amortization and excludes dividends from associates

**Attributable to owners of the Company

Financial Overview 2023

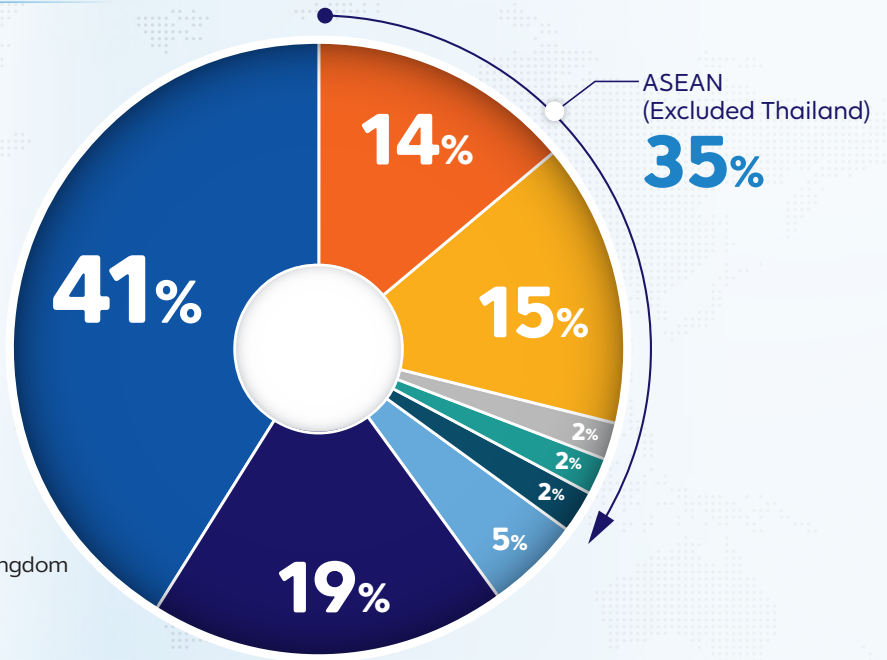
SCG Packaging Public Company Limited and its Subsidiaries

Revenue from sales by end destinations

129,398

Baht million

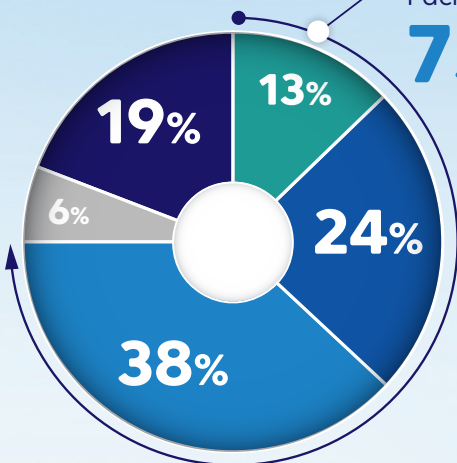
- Thailand
- Indonesia
- Vietnam
- The Philippines
- Malaysia
- Others in ASEAN
- European Union and the United Kingdom
- Rest of the world



Revenue from sales by business units

Integrated Packaging Business

75%

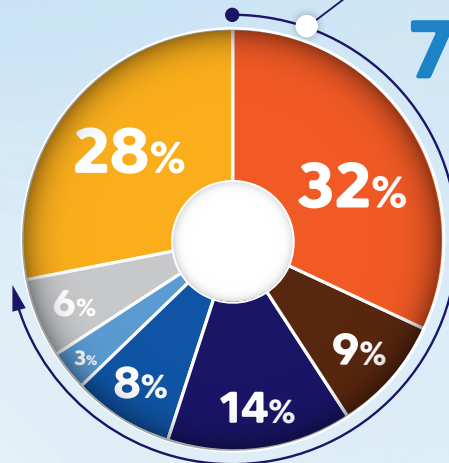


- Consumer and Performance Packaging
- Fiber Packaging
- Packaging Paper
- Recycling Business
- Fibrous Business

Revenue from sales by consumer segments

Consumer Link

72%



- Food
- Beverage
- FMCG
- E&E
- A4 Paper
- Other consumers-related
- Industrial packaging

Revenue from Sales

129,398

Baht million

Total Assets

198,561

Baht million

EBITDA

17,769

Baht million

Profit for the year

Attributable to owners of the Company

5,248

Baht million

Sustainability

Performance Highlight

2023



Ratio of procurement spending in domestic

85%

of procurement spending

Ratio of procurement spending in regional

15%

of procurement spending

Green House Gas emission reduction

0.97

million tons of carbon dioxide equivalent



19.5%

compared with the base year of 2020

Suppliers passed the Environmental, Social and Governance (ESG) risk assessment

100%

of suppliers with procurement spending over Baht 1 million



"SCG Green Choice" products, services and solutions

80 products



Proportion of recycled water

28.6%



Environment-related investment and expenses (Thailand)

1,216

Baht million

Reduction of waste disposal by incineration without energy recovery in Thailand

100%

compared with the base year of 2014



Energy saved

4.99 petajoules

7.78%

compared with BAU at the base year of 2007



Research & Development and innovation investment and expenses



998

Baht million

Waste from production process in Thailand to landfill

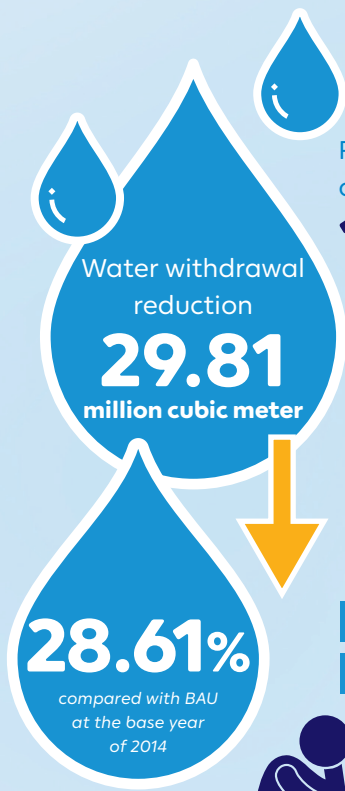
0 ton

Work-related fatalities rate of employees and contractors in Thailand



0.419

cases per 1,000,000 hours-worked



Proportion
of recycled water

16.97%



Employees passed Ethics & Human Rights
Learning and Testing and Ethics e-Testing



100%

Total number of Work-related
fatalities of employees and
contractors



3 cases

Human rights
violations

1 case



Occupational illness and disease
frequency rate of employees



0 case per 1,000,000
hours-worked

NCS Plantation
and CSR



1,154,609
trees



Social enterprise development
for communities' income

22,787,901
Baht

Career development center
in communities



111 centers



Check dams

627
projects



Scholarship program

1,099
scholarships in 116 schools

SCGP Zero Waste
Community Expansion

143
communities



Corporate
volunteers

336
employees



Message from the Board of Directors

SCG Packaging Public Company Limited and its Subsidiaries

Throughout 2023, overall packaging demand in ASEAN, particularly in consumer-linked and daily consumption segments, sequentially recovered with support from the growing services and tourism sectors. Nonetheless, selling prices of packaging paper in ASEAN was under pressure, influenced by slow recovery of packaging paper demand in China in line with the country's economy.

Meanwhile, global economy was facing with challenges from the contraction in purchasing power caused by heightened inflation and interest rates. Such circumstances also adversely effected ASEAN's export sector, especially for export to Europe and the US which are major markets for electronics, textile, and footwear. Nevertheless, SCGP proactively responded to these macro challenges and continued to capture opportunity with prudent execution of strategies to pursue growth with quality while strengthen overall operations. The Company continually expanded into high growth potential businesses and markets with programmatic Merger & Partnership (M&P) and Organic Expansions, including in polymer packaging and corrugated containers, while also reinforced the Company's supply chain.

M&P remained one of the essential approaches to strengthen SCGP's position as the integrated packaging solutions provider. This could be observed through the transaction in Law Print & Packaging Management Limited, a prominent packaging solution provider in the United Kingdom, with aims to support rapid demand growth in pet food packaging. SCGP also invested in Bicappa Lab S.r.L, a medical supplies and labware manufacture in Italy, specializing in producing pipette tips, and M&P in Starprint Vietnam Joint Stock Company, a leading offset folding carton manufacturer in Vietnam that would enhance SCGP's capability to meet the growing demand of both Vietnam and ASEAN consumer goods.

On Organic Expansions in 2023, SCGP's projects in Thailand included the expansion of flexible packaging capacity to support an enlarging demand in pet food and health supplement markets and the expansion of corrugated containers capacity, which contains the state-of-art manufacturing and printing technologies to cater to the evolving demand and lifestyle of clients and consumers. For overseas Organic Expansion, Peute Recycling B.V. (Peute) in

the Netherlands has completed and commissioned its new facility which was relocated near to Rotterdam Port, resulting in a doubling of sourcing capacity of recovered paper and plastic while also improved transportation efficiency.

With the emphasis on continuous improvement from supply chain integration and operational excellence, SCGP makes use of the automation system to enhance production analysis, forecast and productivity. Data Analytics were adopted to strengthen end-to-end data visibility throughout the supply chain. This allows the customer to conveniently contact, order, track deliveries, and obtain rapid responses to enquiry while also enables SCGP to improve the efficiency of materials, inventory, and cost managements. Moreover, the Company has been utilizing Artificial Intelligence (AI) and Machine Learning for data processing functions; for example, generative AI that was used for AI Printing Inspection System to assure printing quality, minimize production wastes and reduce time spent on manual visual inspection. SCGP also continuously pursues improvement in energy consumption and technology. One of the key efforts is via the incremental usage of biomass, which promotes conversion of waste into renewable energy while enables efficient utilization of national resources. All abovementioned operational achievements were made possible by the commitments from all SCGP's employees in delivering values to customers and consumers.

Moreover, SCGP continually strives to develop packaging innovations and solutions in order to fulfill customers' and consumers' requirements. One of the examples is the collaboration with Origin Materials, the US, to develop "Bio-based Plastic from Eucalyptus Woodchips" to capture emerging growth in renewable materials. The development of cutleries and food trays made from eucalyptus wood in respond to the surging demand of sustainable food packaging which can be recyclable and compostable.

SCGP is committed to operating its businesses in line with a distinguished ESG framework to achieve sustainable growth. In 2023, SCGP effectively reduced its greenhouse gas emissions, surpassing the annual target set for Science-Based Target initiative (SBTi), under the strategic direction toward low-carbon society and Net Zero by 2050. Concurrently, active engagement with all stakeholders are core to SCGP's operation. On December 8, 2023, SCGP obtained



a total score of 85, calculated as Top 1% in Dow Jones Sustainability Index (DJSI) for the Containers & Packaging Industry by S&P Global. In addition, the Company achieved AAA sustainable stock rating from the SET ESG Rating and received 2 SET Awards from the Stock Exchange of Thailand, including the Best Innovative Company Awards and the Best Sustainability Awards, for the second consecutive year. SCGP's excellence was also recognized with three quality awards from IAA Awards for Listed Companies 2022 arranged by the Investment Analysts Association (IAA), comprising of Outstanding CEO, Outstanding CFO, and Outstanding Investor Relations under category of industrial products, with the votes from analysts in SET and IAA members.

With commitment in sustainable and quality growth, SCGP recorded total revenue from sales of Baht 129,398 million in 2023, marking a decrease of 11% year-on-year. Profit for the year was Baht 5,248 million, a decrease of 10% compared to the previous year. The Board of Directors resolved to propose that the 2024 Annual General Meeting of Shareholders approve the 2023 dividend of Baht 0.55 per share, totaling Baht 2,361 million, representing 45% of profit for the year of the consolidated financial statements in accordance with the dividend policy. In this, there was an interim dividend of Baht 0.25 per share with a final dividend of Baht 0.30 per share.

Heading toward 2024, SCGP aims to continue the execution of value accretive Merger & Partnership and Organic Expansions to meet customers' and consumers' needs in high potential markets in ASEAN and beyond with target segments that include lifestyle consumer goods, food & beverages, healthcare and medical products. Meanwhile, strategies to improve SCGP's competitiveness include continuous development of new packaging innovations through Research & Development, the strengthen of long-term raw material security, relentless efforts to pursue operational excellence, systematic employee's development plan with focuses on knowledge, capabilities, and skills required for ESG focused business growth.

On this occasion, the Board of Directors would like to express our gratitude to shareholders, debenture holders, business partners, suppliers, customers, employees, domestic and international financial institutes, and other relevant parties for your trust and support. Furthermore, SCGP would like to assure that the Company will effectively and efficiently conduct our businesses under the distinguished Corporate Governance. Adhering to the principles of ESG, the Company will strive to become the leading international organization dedicated to driving its own businesses, and to offering value to society and contributing to a better and sustainable world.

Bangkok, January 23, 2024

(Mr. Prasarn Trairatvorakul)

Chairman of the Board of Directors

(Mr. Wichan Jitpukdee)

Chief Executive Officer

Operating Results in 2023

Operating Results

SCGP is an integrated packaging solutions provider in the region and fosters quality growth. This was achieved through adopting cautious approaches and pursuing expansion strategy of cooperation with business partners in order to increase sales, enlarge the customer base, and branch into new business and markets, supporting a wider range of customers' demands. SCGP also works closely with customers to develop packaging solutions and innovations, which cater to new demands and trends. Furthermore, SCGP has improved production processes to achieve operational excellence through knowledgeable and skilled personnel and an emphasis on Environmental, Social and Governance (ESG) framework, resulting in customer and consumer convenience, healthier lifestyles, better societies, and a sustainable environment.

In 2023, packaging demand for food, beverages, and consumer goods continued to increase due to increased consumption in ASEAN, as well as the recovery of the service and tourism industries. However, the economic

recovery in China was slower than expected, while the inflation rates and interest rates in Europe and the US remained high, resulting in lower ASEAN exports. As SCGP had manufacturing bases across multiple countries and offers a variety of products for many customers' demands through different industries, this allows the Company to diversify risks and mitigate some impact from the volatile external factors. SCGP's total revenue from sales was Baht 129,398 million, a decrease of 11% compared to the previous year. This was due to lower sales volume and lower export prices of packaging paper, which encountered pricing pressures in ASEAN, as well as the impact from the Chinese economic stagnation. EBITDA was Baht 17,769 million, a decrease of 8% compared to the previous year, and the profit for the year was Baht 5,248 million, a decrease of 10% compared to the previous year due to lower sales volume and prices. On the other hand, the profit margin remained consistent with the previous year as a result of SCGP's continuous efforts on cost reduction and commitment towards operational excellence.





Integrated Packaging Business :

Revenue from sales of Integrated Packaging Business in 2023 was Baht 97,363 million, a decrease of 17%, compared to the previous year, mainly due to lower packaging paper prices in the region as a result of economic stagnation in China. Additionally, exports from the ASEAN region have also slowed down. EBITDA was Baht 14,419 million, a decrease of 2% compared to the previous year, which was achieved by the continuous efforts on reducing cost of essential raw materials and energy consumption.

Revenue from Sales

97,363

Baht million

▼ decreasing

17%

from the previous year

EBITDA

14,419

Baht million

▼ decreasing

2%

from the previous year



Fibrous Business :

Revenue from sales of Fibrous Business amounted to Baht 26,835 million, similar to the previous year. Although foodservice packaging grew fast, market prices of pulp products have gone down. As a result, EBITDA was Baht 3,835 million, a decrease of 6% compared to the previous year.

Revenue from Sales

26,835

Baht million

≈ similar to the previous year

EBITDA

3,835

Baht million

▼ decreasing

6%

from the previous year



Recycling Business and Others :

Revenue from sales of Recycling Business and Others amounted to Baht 8,669 million, an increase of 80% due to the result of expansion into packaging materials recycling business with the Merger of Peute Recycling B.V. (Peute), the Netherlands, and Jordan Trading Inc. (Jordan), the US.

Revenue from Sales

8,669

Baht million

▲ increasing

80%

from the previous year

EBITDA

3,290

Baht million

▼ decreasing

25%

from the previous year

Business Challenges

In 2023, the global economy faced the challenge of a decelerated purchasing power due to high interest rates, especially in major economies, slow consumption recovery in China due to stagnation in the real-estate industry, and the China-United States trade war. However, packaging demands in ASEAN recovered strongly due to expanding domestic consumption and tourism in the region, especially in the consumer goods such as food, beverage, and daily products. On the other hand, ASEAN exports were still impacted by the global economic situation. This is especially true when exporting to Europe and the US, which are the main export markets for ASEAN products, specifically for luxury goods and durable goods such as electronics, clothes, and shoes. For the ASEAN region, the Company's packaging paper price is still under pressure. Thus, the Company prepared for the upcoming challenges with growth strategies from Merger and Partnership (M&P), and the expansion of packaging and relevant businesses while looking for others with high potential. These efforts were conducted alongside constant development of packaging innovations and solutions, improvements of supply chain integration, and proactive management planning in order to combat uncertainty, driving the business through the ESG 4 Plus framework to achieve Net Zero by 2050.



Business and Investment Development

- Acquired 100% shares in Law Print & Packaging Management Limited, a prominent packaging solution provider in the UK to expand sales channels and SCGP's customer network. It focuses on pet food products, a fast-growing market in Europe and the UK. This investment improves SCGP's performance on the entire supply chain, leading to increased revenue shares from current and future customers.
- Acquired 85% shares in Bicappa Lab S.r.L. through Deltalab, S.L., a subsidiary company in which SCGP holds 85% shares. Bicappa Lab S.r.L., a medical supplies & labware manufacturer specialized in pipette tips product based in Italy. This was done in order to enhance Deltalab's business through backward integration by sourcing pipette tips and important medical supplies for Deltalab. Moreover, the investment brought in knowledge regarding polymer injection technology for auto-pipetting and automation.
- Acquired 70% shares in Starprint Vietnam Joint Stock Company (SPV), a renowned offset folding carton manufacturer from Vietnam, in order to support steadily increasing demands of packaging in Vietnam. Offset printing service and high-quality rigid boxes were introduced to the supply chain, allowing the already integrated packaging solutions of SCGP to answer customer demands on a broader scale.



Human Resource Development

- Encouraged continuous self-development of employees as per the SCGP Learning Framework to ensure that their capabilities were ready to grow with the Company sustainably, and were up-to-date and able to overcome new challenges, including fast-paced demand, evolving lifestyles of consumers, and new environments. Also ensured that employees possess knowledge, functional competencies, and leadership competencies through various forms of learning and through the 70:20:10* learning model. Employees could improve themselves anytime and anywhere with a learning platform that output learning performance in line with organizational capabilities and people capabilities.
- Enabled employees to choose their futures with the principle of “Design Your Career, Design Your Life” and to improve themselves through an “inner drive”. Employees could design their careers through competency assessments and compare the results with positions in the organization, which in turn helped employees envision their own career paths. This also encouraged employees to emphasize learning, self-development, and competency-building in order to respond to the organizational vision and pass values to customers while meeting their own needs and growing alongside customers and the organization.
- Assessed high-performance employee groups (or talent groups) annually and ensured that the assessment criteria were in line with the vision and mission of the Company. In addition, the Company encouraged talented employees to conduct personal development planning on top of participating in useful learning programs, such as mentoring systems or project assignments. In turn, the employees were enabled to accumulate skills, competencies, and leadership as future leaders in accordance with succession planning.
- Boost up+ Program provided a learning opportunity for self-improving employees with the freedom to choose any course, whether it is related or unrelated to their duties, and within a designated budget (Baht 1,500/person/year). Self-improvements can be in the form of attending training programs, seminars, workshops, or online courses that takes place domestically or overseas.

- Developed the Newcomer Program for each field of work (by function) by designing learning courses and icebreaker activities for new employees, with or without work experience, through the 70:20:10 learning model. As a result, employees gained insights into the business, have a better understanding of the context of their jobs and their responsibilities, and are able to convey the core values of the business. In addition, the program also encourages rapport-building between employees.
- Reviewed functional competencies by outlining the knowledge and skills that are essential for operations and aligned them more closely with the duties and responsibilities of each unit in the organization. After a thorough review, the functional competency of the organization increased from 220 to 280.



- Cooperated with PT Fajar Surya Wisesa Tbk., Indonesia, in developing a technical training roadmap program to improve the competency and skill threshold in accordance with technological advancements and business context. For example, developing an internal instructor course for Indonesian SCGP staff to become future trainers and coaches by imparting knowledge in an efficient manner or offering over 20 courses on topics such as production, maintenance, energy, safety, or the wastewater treatment system. The participation rate was 86% or higher, with functional competency gaps being covered through these learning courses.
- Stimulated and encouraged all employees to maintain strict safety compliance, starting with oneself before others, and becoming a good role model for colleagues to ensure business security.

Notes : *The components of 70:20:10 learning design are as follows;
 70 is the process of learning through actual work
 20 is developed with mentorship or organization expert help
 10 is learning through both in-person and online courses

Business Model, Solutions, and Product & Service Development



- Signed a joint development agreement with Origin Materials to develop a world-class innovation with advanced technology by converting eucalyptus woodchip into Bio-PTA (Bio-Purified Terephthalic Acid), which can be used to manufacture bio-based plastics; achieving a sustainable packaging solution for application in various industries.



- Signed MoU between Charoen Pokphand Foods Public Company Limited (CPF) and SCGP for innovations in paper and polymer-based packaging to come up with sustainable packaging solutions in CPF that are eco-friendly, clean, and safe for consumers.



- Encouraged development collaboration on “sustainable packaging” and invited over 40 allied local and overseas companies to share their opinions and experiences with the ultimate goal of implementing eco-friendly packaging throughout the entire process of “SCGP Circularity in Action : Pursuit of Packaging Sustainability”.
- Cooperated with the Srinakharinwirot University in researching 3 special probiotic strains to be developed as key components of the HOLIS by SCGP products.



- Cooperated with Siriraj Hospital to rebrand the Siriraj’s cosmetic product line through integrated packaging solutions. The partnership aims to modernize the brand’s identity and product packaging, enhancing aesthetic appeal and ease of use. This initiative is set to expand the customer base by making quality cosmetics more accessible.



- Collaborated with Robinhood to expand distribution channels for premium quality copy paper, “Idea by SCGP”, by supporting new customer groups and providing convenience to consumers through “Robinhood Mart”.
- Developed a safe foodservice packaging solution, “Fest by SCGP”, by taking advantage of the demands of the food manufacturing industry. The main component consists of eucalyptus fiber which are fast-growing plants that are renewable and economic and as it decomposes naturally. Products include, Fest Redi Pak, for example, which is paper tray for ready meal. It is convenient, easy to handle, and can withstand heat up to 100°C. It is also 100% decomposable and has a film coating which added value to the product and can be recycled. Fest Fresh Pak that preserves the freshness and taste of food through an effective oxygen barrier, does not shrink when wet and can be refrigerated between 3 - 5°C. Also, SCGP partnered with “Tao Bin” to develop Fest Vending Pak, paper cups with stylish prints for vending machines which were designed to be durable and not easily deformed, thus the need for imports and storage space.
- Developed “HOLIS by SCGP” dietary supplements, such as : HOLIS by SCGP CHO-LESS Cap with the main component, Jiaogulan powder, researched and developed by SCGP; HOLIS by SCGP PROBIO ACTIVE PLUS combining 3 main components - prebiotics, probiotics, and postbiotics; and HOLIS by SCGP Active Collagen Jelly containing Collagen Dipeptide Type I imported from Japan, Sakura extract, 3 types of blood orange extract, and bamboo mushroom powder from the research and development of SCGP.



- Developed ALMIND by SCGP-Personal Care Product, such as : ALMIND Ultramild Foaming Hand Wash, which are mild alcohol hand sanitizers that reduce the accumulation of viruses and bacteria and changes color when rubbed for 30 seconds; ALMIND Ultramild Baby Head to Toe which are foam wash and shampoo products; ALMIND Ultramild Kids Shampoo & Conditioner, 2-in-1 shampoo and conditioner; and ALMIND Ultramild Kids Body Wash, a body wash gel. Every product is certified as hypoallergenic as tested by Faculty of Pharmacy, Mahidol University, dermatologically tested by DermScan Asia, and contains AQUACELLA, a special invention of SCGP that maintains skin moisture.

Business Operations Following Sustainability Principles and ESG

SCGP values the importance of achieving 25% greenhouse gas reduction by 2030 compared with the base year 2020, covering operations in Thailand and abroad. It also has set a target to achieve Net Zero emissions by 2050 as part of the joint effort to limit the rising of average global temperature not exceeding 1.5 Degrees Celsius in accordance with the Paris Agreement. Furthermore, SCGP intends to reduce water withdrawal by 35% by 2025, compared with Business As Usual (BAU) levels recorded in the base year of 2014. In order to achieve these desired outcomes, we are committed to careful control of operations under good governance processes following international guidelines. In addition, SCGP has reduced industrial waste while increasing the ratio of recycled paper and recyclable plastic packaging with the target to accomplish 100% recyclable, reusable, or compostable packaging by 2030.

Energy Management and Climate Change

- Installed anaerobic wastewater treatment for United Pulp and Paper Co., Inc. (UPPC), the Philippines, which can produce methane of approximately 46,000 Nm³ per month. In addition, the anaerobic wastewater treatment of Thai Cane Paper Public Company Limited, Kanchanaburi Plant, was changed from an open system to a closed system, which can produce methane of 50,900 Nm³ per month while reducing the use of coal. Both projects curbed GHG emissions by 13,759 t CO₂eq per year and saved coal expense by Baht 17.16 million per year.
- Compiled and disclosed climate issues as per the Task Force on Climate-related Financial Disclosures (TCFD) to analyze impacts and assess imposed risks, including the probability of their occurrence within and outside of the Company due to climate change. Potential situations during the transition period were considered in accordance with the Announced Pledges Scenario (APS) and Net Zero Emissions (NZE) and concluded by 2050 as laid out by the International Energy Agency (IEA), as well as situations which can cause immediate or chronic physical impacts.
- Gathered information and calculated GHG Scope 3 using the emission factor provided by Thailand Greenhouse Gas Management Organization (Public Organization) or TGO. Information was reviewed by third parties and continued into 2023. Buyers had an opportunity to learn about GHG Scope 1, 2, and 3, including the carbon footprint of products through a special training to raise their awareness and support GHG measurement of suppliers. The training was attended by 160 buyers in total.





- Cooperated with 2 suppliers to calculate the emission factors of each product. With 2023 as the first year of this program, the focus was on Carbon Footprint for Organization (CFO) and Carbon Footprint of Products (CFP) in order to facilitate future GHG reduction planning in an efficient manner.
- Held 2023 Supplier Day to share and raise awareness on ESG knowledge and guidelines of SCGP. The topic on operations to reduce GHG emission were also included.

Water Management

- Planned Business Continuity Management (BCM) for continuous business operations in line with disaster mitigation guidelines of United Nations Office for Disaster Risk Reduction (UNDRR) by utilizing analytical data from the WRI AQUEDUCT database, the Office of the National Water Resources' database, and the Royal Irrigation Department's database to establish proper practices for each situation. An example would be the El Nino phenomena, which will affect the world for 3 years (2023 - 2025). Moreover, SCGP sent representatives to join various River Basin Committee, such as the Mae Klong Basin, Bang Pakong Basin, etc., to collaborate with the government and the private sector in managing water in the area sustainably, and to analyze water situations while maintaining BCM for backup plans.
- Improved water use efficiency on a continuous basis by analyzing the production processes from upstream to downstream and finding better solutions for the Company through upgrades of technology and machinery, the implementation of water-saving equipment such as filters, and the installation of a water seal system within equipment, such as a water pump and an impeller, to raise the efficiency of water use in production. As a result, the Company saved water by 1.4 million m³ per year, amounting to Baht 3 million per year. Furthermore, additional water tanks were built with the introduction of the strainer system, which allowed versatile particle separation at 40 - 450 microns. Many filters were installed in the production processes and could be reused, thus saving water by 0.8 million m³ per year.

Industrial Waste Management

- Managed industrial waste on a continuous basis based on the 3R (Reduce, Reuse and Recycle) and Circular Economy principles. For example, reducing waste generation by having an optimal hazardous and non-hazardous waste management, such as turning plastic waste into recycled plastic pellets, or turning fly ash and bottom ash into bricks, etc. Gathered and disposed non-recyclable waste and packaging to support a Circular Economy while complying with national and international measures, such as Extended Producer Responsibility (EPR), and made continuously improvements on reusing or recycling waste into value-added products. The volume of waste generated and dumped in a landfill site in Thailand was 0 ton (no dumping). A total of 100% of the waste was used in recycling and energy recovery.
- Managed size of paper cores for paper rolls of Thai Cane Paper Public Company Limited for minimal waste generation. High-quality paper cores from paper plants in the group were used in rotation with optimal efficiency. As a result, the amount of core scraps was reduced by 20 tons per year.
- Reduced hazardous waste generation from the wastewater treatment in the printing process that used ink containing a high concentration of copper. The solution was to separate copper from the ink through chemical precipitation that was done by Innovation and Product Development Center research teams. In addition, low-copper ink was considered for production to reduce overall hazardous waste.
- Managed and utilized fly ash and bottom ash, which are byproducts of coal-fired electricity and steam generation. SCGP turned them into a brand-new type of brick named Miracle Block. It is used for temporary and permanent wall-building. It is easily adjustable and can be transported with ease. It is durable, strong, and has firm adhesion as well as high heat-resistance and eco-friendly properties. In addition, SCGP used approximately 4,000 tons of fly ash and bottom ash in "Khudiny by SCGP" fertilizers produced by Siam Forestry Co., Ltd.



Environmental Engagement and Recognition

- Participated in the Dow Jones Sustainability Index (DJSI) participation invited S&P Global as a result of the 2023 Corporate Sustainability Assessment (CSA) in the Containers & Packaging Industry. Based on the announcement of results on December 8, 2023, SCGP received a total score of 85, representing the top 1% for the Containers & Packaging Industry by S&P Global.



- Underwent the 2023 SET ESG Rating sustainability evaluation and was placed in the AAA group.
- Won 2 awards from Netherlands-Thai Chamber of Commerce (NTCC) : the “Outstanding in Corporate Governance Award” for companies with excellent governance and the “Appreciation Award : Thai Investor in the Netherlands” for companies investing in the Netherlands.
- Received a plaque as the Climate Action Leading Organization (CALO) with at least 2 Gold ratings for an outstanding performance based on 3 assessment criteria : Measure, Reduce, and Contribute. The assessment was made by the Thailand Carbon Neutral Network (TCNN), part of Thailand Greenhouse Gas Management Organization (Public Organization) or TGO.



- Cooperated with Thai Paper Co., Ltd., Siam Kraft Industry Co., Ltd., and Thai Cane Paper Public Company Limited to submit and receive carbon footprint labels with a total of 59 products and 55 Circular Economy products by the Thailand Greenhouse Gas Management Organization (Public Organization) or TGO. This displayed SCGP’s commitment and responsibilities to reduce resource consumption, increase recycled material proportions, and develop a more efficient production process leading to low-carbon products. As such, SCGP also prepared for domestic and international taxations to create competitive advantages on an environmental aspect and is committed to elevate the Company’s strengths to gain national and international recognition.

SCG Packaging Public Company
Containers & Packaging

S&P Global CSA Score 2023
A key component of the S&P Global ESG Score

85 /100

As of December 8, 2023
The S&P Global Corporate Sustainability Accessibility (CSA) Score is the S&P Global ESG Score without the inclusion of any modeling approaches. Company scores can be compared to their peers in the same industry. Learn more at sglobal.com/esg/scores

S&P Global Sustainable 1



Member of
Dow Jones Sustainability Indices
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Social and Environmental Activities



SCGP Conserving Environments from the Mountain through the Sea Project

Collaborated with government sectors communities and volunteers to build a total of 627 check dams around water sources in Kanchanaburi, Khon Kaen, and Ratchaburi provinces. This helped to return moisture to the forest, and it led to an endless circulation of water in the system that communities can use sustainably.

SCGP Plant the Trees to Beat the Heat Project

Collaborated with Kanchanaburi Royal Volunteer Spirit Administrative Center for SCGP's volunteer activity : the SCGP Plant the Trees to Beats the Heat Project. SCGP also collaborated with employees and community volunteers, including three world-class female professional golfers, "Moriya Jutanugarn (Pro Mo)", "Ariya Jutanugarn (Pro May)", and "Pajaree Anannarukarn (Pro Meaw)". This initiative involved planting 999 trees at Ban Nong Hin-Khao Soong, Tha Maka District, Kanchanaburi Province on December 5, 2023 to commemorate the birthday of His Majesty King Bhumibol Adulyadej The Great, and to restore natural ecosystem and biodiversity. December 5 of every year is observed as Father's Day in Thailand and also marked World Soil Day. In 2023, SCGP planted and conserved trees to enhance areas that are capable of absorbing and storing atmospheric carbon dioxide in Ratchaburi, Kanchanaburi, Prachinburi, and Khon Kaen provinces, where the factories are located. A total of 62,549 trees have been planted and conserved, and the effort is ongoing as part of SCGP's commitment to preserve the planet and to pass on a sustainable world to future generations.

Used Paper Recycling Project by SCGP Recycle

SCGP Recycle collaborated with business partners to provide knowledge and to gather used paper to recycle for sustainable management :

- Collaborated with MCOT in the "MCOT Cares : Paper-Cycle" project to provide knowledge and encourage contribution from MCOT employees to



sort out leftover paper for recycling. A total of 1,340 kilograms of leftover paper was exchanged for 30 reams of copy paper.

- Collaborated with Ichitan in the "Community Feel Good & Ichitan Happy" project to recycle 47 tons of leftover paper from Ichitan Green Factory into 22 sets of paper furniture. These were donated to Wattanodtia School in Phra Nakhon Si Ayutthaya.
- Collaborated with UNIQLO (Thailand) to encourage the use of paper decorations and display shelves across 66 UNIQLO branches nationwide to raise awareness on green materials.
- Collaborated with Thailand Post in the "reBOX" project for the 4th consecutive year using the theme of "Lovely Box within Reach". This framework gathered and recycled a total of 138 tons of leftover boxes and envelopes into paper boxes. These paper boxes are then donated to agencies such as the Thai Red Cross Society, Thailand Association of the Blind, and Low Vision Association Thailand.





Career Building with Paper Band Weaving Project

Promoted weaving craft using paper bands from paper production and improved crafting performances of students and surrounding communities to continuously develop various types of products. In 2023, Ban O I Khiao community, Ratchaburi province, and Ban Tha Takhro, Kanchanaburi province, won “By-products to Happiness”, a business model competition hosted by the Department of Industrial Works. In the same year, communities made a total of Baht 2.39 million in revenue.



SCGP Packaging Speak Out 2023 Project in Thailand

Held a packaging design contest, “SCGP Packaging Speak Out 2023”, for the 8th consecutive year in Thailand, allowing creative students to express their minds to the world by making innovative packaging designs. The concept of the contest was “Packaging for Seniors” to support the trend of an aging society while considering effective uses of resource and eco-friendliness. A total of 288 ideas from several fields of study and institutions around Thailand were submitted.

SCGP Packaging Speak Out Vietnam 2023 Project

Expanded the packaging design contest by holding “SCGP Packaging Design Speak Out Vietnam 2023” for university students in Vietnam for the 3rd consecutive year, in order to help instill creativity in new generations and provide a platform to promote innovative packaging design. The concept of the contest was “Sales-promoting Packaging”, which is in alignment with growth trends in Vietnam. A total of 97 ideas from several institutions in Vietnam were submitted.

SCGP Zero Waste Community Project

For the 4th consecutive year, SCGP cooperated with Ban Pong District and 17 local governmental organizations from Ratchaburi province to promote a Circular Economy and uplift the district as a role model of efficient waste management. In addition, SCGP brought this project to 46 communities in Prachinburi, Kanchanaburi, and Khon Kaen province, where SCGP’s plants were also located at, and removed over 1,505 tons of waste from these communities through action learning. As a result, this project has made 143 communities role models of waste management, and 183 more role-model communities are to be expected by 2030.

Act for the Better World Project

Encouraged employees to act for the betterment of society, communities, and the world, by an activity where employees could bring used paper to sort and send them in every month between March - November 2023. This paper was recycled and manufactured into paper desk and chair sets and bookshelves. They were then donated to the Foundation for Slum Child Care to celebrate Children’s Day in 2024. There was a total of 4,658 kilograms of waste paper.



Awards and Achievement in 2023



- SCG Foundation, in collaboration with SCGP, won the National Innovation Award of 2023 in the Social and Environmental Contribution category with “Mobile Paper Bed Innovation for Medical Units”. The event was hosted by the National Innovation Agency.
- SCGP won 3 awards which were “Outstanding CEO Awards”, “Outstanding CFO Awards”, and “Outstanding Investor Relations Awards” in the category of industrial products in IAA Awards for Listed Companies 2022. The event was hosted by the Investment Analysts Association.
- SCGP won “Outstanding in Corporate Governance Awards” due to business adherence to corporate governance. The event was hosted by the Netherlands-Thai Chamber of Commerce.
- SCGP won “Thailand Energy Awards” from the innovative waste-to-energy combustor. The event was hosted by Minister of Energy.



- SCGP won 2 outstanding awards in the SET Awards 2023 for the 2nd consecutive year. The first award was the “Business Excellence Awards” in the category of Best Innovative Company Awards from Detect Odor Monitoring, an innovative and comprehensive odor monitoring system. The second was the “Sustainability Excellence Awards” in the category of

Best Sustainability Awards from business operations in line with sustainable development from the Stock Exchange of Thailand.

- Companies in SCGP won a total of 8 awards in the packaging design contests, including :

Global Awards

- Thai Containers Group Co., Ltd. won a total of 2 awards in “WorldStar Awards 2023”, which is hosted by the World Packaging Organization, in categories “Luxury Package” and “Point of Purchase”.

ASEAN Awards

- Thai Containers Group Co., Ltd. won a total of 3 awards in “AsiaStar 2022”, which is hosted by The Asian Packaging Federation. 2 awards were from the category “Gift Package”, and 1 award was in the category “Transport Package”.

National Awards

- Thai Containers Group Co., Ltd. and Thai Paper Co., Ltd. won a total of 3 awards in “ThaiStar Packaging Award 2023”, which is hosted by the Ministry of Industry, in the category “Consumer Package”.



- SCGP was certified ISO 27001:2013 for data security management by the British Standards Institution (BSI), an international standards body.

- Thai Containers Group Co., Ltd., Ratchaburi Plant, won the Best Risk Management of the Year 2023 award from World Corrugated Awards 2023. The event was hosted by the Asian Corrugated Case Association (ACCA).



Prepack Thailand Co., Ltd. was certified RecyClass (Class A) for mono-material plastic packaging in the category of R1-PE Mono-layer Pouch by RecyClass, a certification body for recycling and traceability of recycled materials used for plastic products.

Companies in SCGP won the Outstanding Workplace Award for Safety, Occupational Health and Environment in 2023 from the Ministry of Labor with a total of 18 awards.

Platinum Award

- Thai Containers Group Co., Ltd., Pathum Thani Plant
- Thai Containers Group Co., Ltd., Ratchaburi Plant
- Thai Containers Group Co., Ltd., Songkhla Plant
- Thai Containers Group Co., Ltd., Samut Prakan Plant
- Thai Containers Group Co., Ltd., Nava Nakorn Plant

Diamond Award

- Thai Containers Khonkaen Co., Ltd.
- Thai Containers Rayong Co., Ltd.
- Tawana Container Co., Ltd.

Gold Award

- Thai Containers Group Co., Ltd., Kamphaeng Phet Plant
- Thai Containers Group Co., Ltd., Chonburi Plant
- Orient Containers Co., Ltd., Om Noi Plant
- Thai Cane Paper Public Company Limited, Kanchanaburi Plant

- Thai Cane Paper Public Company Limited, Prachinburi Plant
- Phoenix Pulp & Paper Public Company Limited
- Thai Paper Co., Ltd., Samut Sakhon Plant
- Siam Forestry Co., Ltd., Kamphaeng Phet Plant
- Siam Forestry Co., Ltd., Chum Phuang Plant
- Siam Forestry Co., Ltd., Phra Yuen Plant

Companies in SCGP won the Silver Award in “Thailand Quality Prize 2023”. The event was hosted by the Technology Promotion Association (Thailand - Japan) with a total of 2 awards.

- Siam Kraft Industry Co., Ltd., Wangsala Plant
- Thai Cane Paper Public Company Limited, Prachinburi Plant

Companies in SCGP received the Outstanding Organization Award on Labor Relations and Welfare in 2023 from the Ministry of Labor with a total of 7 awards.

- Siam Kraft Industry Co., Ltd., Wangsala Plant
- Thai Cane Paper Public Company Limited, Kanchanaburi Plant
- Thai Containers Group Co., Ltd., Pathum Thani Plant
- Thai Containers Group Co., Ltd., Ratchaburi Plant
- Thai Containers Group Co., Ltd., Samut Prakan Plant
- Tawana Container Co., Ltd.
- Orient Containers Co., Ltd., Om Noi Plant

■ Companies in SCGP won the CSR DIW Continuous Award 2023 from the Ministry of Labor with a total of 4 awards.

- Siam Kraft Industry Co., Ltd., Banpong Plant
- Siam Kraft Industry Co., Ltd., Wangsala Plant
- Thai Cane Paper Public Company Limited, Kanchanaburi Plant
- Thai Cane Paper Public Company Limited, Prachinburi Plant

■ Companies in SCGP won the Gold Plus Awards for industrial factories that provide social contributions. The event was hosted by the Ministry of Labour with a total of 2 awards.

- Siam Kraft Industry Co., Ltd., Wangsala Plant
- Thai Paper Co., Ltd., Wangsala Plant

■ Thai Paper Co., Ltd. was awarded Green Industry Level 5 by the Ministry of Industry.

■ Bien Hoa Packaging Joint Stock Company (SOVI) won Top 20 Famous Brand of Vietnam. The event was hosted by the Vietnam Standard and Consumers Association.

■ DeltaLab Global, S.L. won the Best Food Science Division (FSD) Channel Partner hosted by Bio-Rad Laboratories, a global leader in chemicals and life-science equipment.

■ Duy Tan Plastics Manufacturing Corporation Joint Stock Company won the Top 50 Fastest Growth in Vietnam. The event was hosted by the Vietnam Assessment Report Joint Stock Company (VNR).

■ Duy Tan Plastics Manufacturing Corporation Joint Stock Company won the Vietnam High-Quality Goods Award. The event was hosted by the Business Association of High-Quality Vietnamese Products.

■ Duy Tan Plastics Manufacturing Corporation Joint Stock Company won the Vietnam High-Quality Goods Integrated. The event was hosted by the Business Association of High-Quality Vietnamese Products.

■ Duy Tan Plastics Manufacturing Corporation Joint Stock Company won the Top 15/25 Top Brands of Personal and Industrial Consumer Goods. The event was hosted by the Forbes Magazine.

■ Duy Tan Plastics Manufacturing Corporation Joint Stock Company won the Vietnam Strong Brand Award in the Green Growth Enterprise Category. The event was hosted by the VnEconomy Magazine.

■ Duy Tan Plastics Manufacturing Corporation Joint Stock Company won the Asia Pacific Enterprise Awards (APEA) in the Inspirational Brand Category. The event was hosted by the Enterprise Asia.

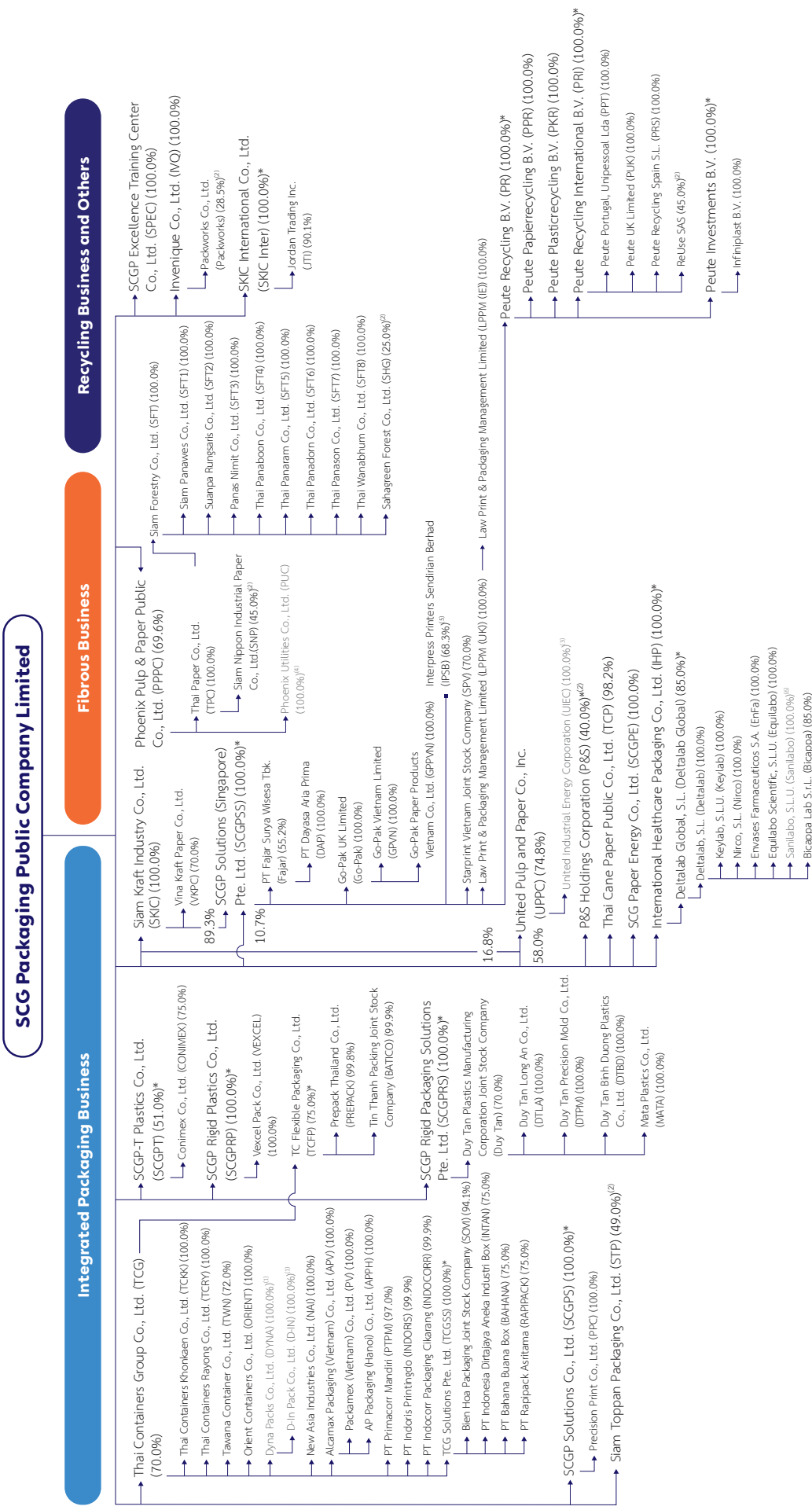
■ Duy Tan Plastics Manufacturing Corporation Joint Stock Company won the National Green Economy in the Friendly Environment Product Category hosted by the Vietnam Economic and Trade Information Consulting Association - Institute of Law and Environmental Protection.

■ Duy Tan Plastics Manufacturing Corporation Joint Stock Company won the Enterprises Use Energy Economically and Effectively 2023 hosted by the Ho Chi Minh City Department of Industry and Trade and the United States Agency for International Development (USAID).

■ PT Fajar Surya Wisesa Tbk. won the Company's Synergy and Full Support in the Surya Abadi Employee Consumer Cooperative (KKSA) hosted by the PJ Regent of Bekasi.

Shareholding Structure as of December 31, 2023

As of December 31, 2023, SCGP holds shares in 84 subsidiaries and 6 associated companies. The operations are divided into three businesses : 1) Integrated Packaging Business
 2) Fibrous Business 3) Recycling Business and Others, with detail of shareholding as follows :



Remarks : ^{*}Holding Company
⁽¹⁾ DYNA and D-IN transferred the entire business to ORIENT on November 1, 2020 and registered the dissolution of the company with the Department of Business Development, Ministry of Commerce on December 22, 2020. It is currently in the process of liquidation.
⁽²⁾ Associated companies.
⁽³⁾ UIEC registered the termination of its business on April 24, 1997.
⁽⁴⁾ UIEC transferred the entire business to PPPC on October 1, 2021 and registered the dissolution of the company with the Department of Business Development, Ministry of Commerce on December 20, 2021. It is currently in the process of liquidation.
⁽⁵⁾ SCGPSS has 68.3% of PSB's total voting rights as some of the shares that SCGPSS holds in PSB are net preferred shares with no voting rights.
⁽⁶⁾ Santilabo deregistered with the Commercial Registry on December 27, 2023, and is currently in the process of transferring entire business to both Equilabo and Nirco.

The Consideration of the Size of a Holding Company in the Stock Exchange

SCGP is a holding company. The Company is entirely qualified according to criteria in the Announcements⁽¹⁾, with the following details.

Comparison Criteria of the size of the Company	Qualifications according to the Holding Company Announcement	Qualifications of the Company ⁽²⁾ (%)
1 The size of the subsidiaries that operate main business compared to the size of the Company <u>Total assets - Investments in associates and other companies</u> Total assets	≥ 25.0%	99.46
2 The size of companies that operate main business compared to the size of the Company <u>Total assets - Investments in other companies</u> Total assets	≥ 75.0%	99.99
3 The size of other companies compared to the size of the Company <u>Investments in other companies</u> Total assets	≤ 25.0%	0.01

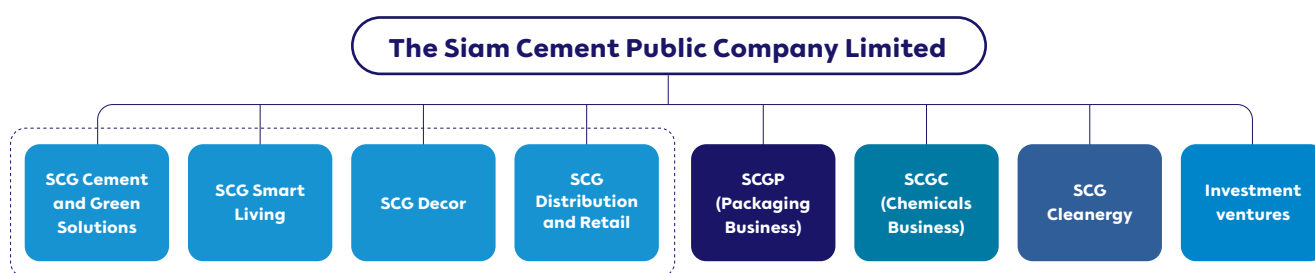
Remarks : ⁽¹⁾ Indicated in the Announcement of Stock Exchange of Thailand Board of Governors, numbered TJ. 39/2559, on requesting permission and granting permission to new share offerings, dated 30 September 2016 (including the amended version), and the Announcement of the Office of the Securities and Exchange Commission, numbered SJ. 50/2561, on the consideration of the size of a company, about the granting permission of new share offerings from a holding company, dated 28 September 2018.
⁽²⁾ Calculated according to the information in SCGP's consolidated financial statements for the year ended 31 December 2023.

Relationship with Business Groups of Major Shareholders

The Siam Cement Public Company Limited (SCC) is the Company's major shareholder, with a shareholding of 72.12% of the Company's issued and paid-up capital. The group enters into related transactions with ordinary commercial agreements with SCC to sell certain products to SCC, such as industrial bags for cement products, corrugated containers for transport, display advertising and raw materials from SCC group, including petrochemicals and recovered paper. In 2023, SCGP received 2.7% of its incomes from SCC Group (2.7%

in 2022) and also spent 6.4% of its total costs and expenses on SCC Group's products and services (9.6% in 2022). These purchases were made under suitable conditions, at fair prices, and in line with the Company's arm's length transactions with third parties. Moreover, the Company also entered into other related transactions. More information can be found in "Related Transactions."

The organizational structure of the Siam Cement Public Company Limited as of January 1, 2024 is illustrated as follows :



Previously included under "Cement and Building Materials Business"

As of January 1, 2024

Shareholders' agreements in matters affecting the issuance and offering of securities or the Company's management

-None-

Persons presenting a potential conflict of interest if they hold shares in subsidiaries or associated companies adding up to more than 10% of the votes in that company

-None-