



SET Awards 2023

Sustainability Excellence

14 September 2023



ESG 4 Plus

Start together for ourselves and the world



1



Set Net-Zero by 2050

Use technology to increase the proportion of alternative energy



Invest R&D in Deep Technology to reduce greenhouse gas emissions.



Build check dams to restore nature's balance and absorb CO₂.



Plant trees to absorb CO₂.



2



GO Green

Develop the environmental innovations to preserve the world.



100% Recyclable Packaging



500 MW+ renewable energy in Thailand and abroad by 2023

3



Reduce Inequality

Create 50,000 jobs for communities and SMEs by 2030 by developing in-demand skills

Reduce inequality and create jobs

- พลังชุมชน (Community Power)**: Community power to promote knowledge and morality. Improve technical skills.
- SCG Skills Development**: Create jobs for truck drivers.
- SCG FARM**: Increase agricultural productivity with technology.
- SCG Short-term course scholarships**: Deliver short-term course scholarships that provide education and employment opportunities such as nursing assistant and dental assistant.

4



Enhance Collaboration

Establish concrete collaboration with national, ASEAN and global agencies to drive ESG.



Plus Trust through Transparency in All Operations

ESG Leadership

Member of
**Dow Jones
Sustainability Indices**

Powered by the S&P Global CSA

The S&P Global Public Company - Global
Sustainability Index

Top 1%
55th Global ESG Score 2022

89 /100

As of February 1, 2023,
Public and Socially Responsible Investment
Industry of the S&P Global Sustainability Index

S&P Global Sustainable 1

MORNINGSTAR SUSTAINALYTICS

**ESG
INDUSTRY
TOP RATED**

2023



CDP
DISCLOSE INSIGHT ACTION

**A LIST
2022**

WATER

A- Forests
B Climate Change

**MSCI
ESG RATINGS**

AA

CCC B BB BBB A **AA** AAA



Agenda

I. Economic – Long Term Business Growth and Competitiveness.

II. Environment – Climate related Risk Management

III. Social - Accelerating reduce inequality towards sustainability

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Energy cost pressure accelerates transition towards renewable fuel

SCG has implemented Energy Transition by increasing alternative fuel and renewable fuel use

Global energy prices

(Average 2022 vs Average 2021)

Brent



39% ↑
YoY

Coal (New Castle)



159% ↑
YoY

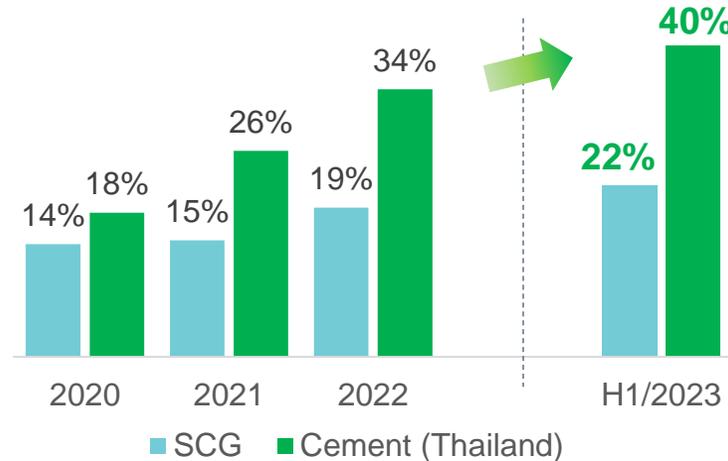
Electricity (Ft)



108.75 ↑
Stang YoY

SCG's actions to alleviate impact from energy cost pressure and reduce emissions

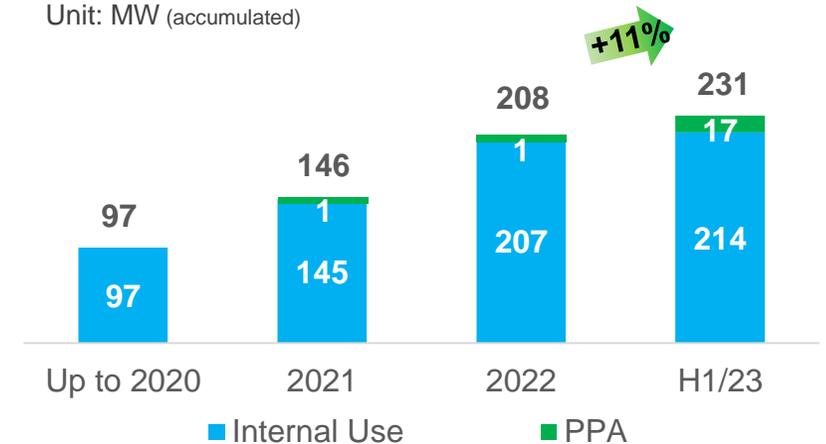
Alternative Fuel Use (%)



- Use biomass (e.g., agricultural waste) and waste (e.g., industrial waste, RDF) to replace coal in production
- Achieve 22% and 40% alternative fuel use for overall SCG and cement operation in Thailand, respectively
- Start to utilize the same practice to regional operations

Green MW expansion

Unit: MW (accumulated)



SCG
CLEANERGY

- Currently **self-generated** electricity accounted for approx. 1/5 of overall needs
- Leverage network and capability to capture renewable energy business via **SCG Cleanergy**
- Explore renewable technologies to accelerate energy transition e.g., energy storage, PV technology

Economic slowdown caused impact to society, resulting in increasing household debt

SCG focuses on social dimension with efforts to reduce inequality

Loan to Household



15.2 trillion Baht

accounting for approx.
86% of GDP in Q1/23

with NPL up to

1 trillion Baht

Loan to Household (% of GDP)



SCG's actions to reduce inequality

Target : **50,000** persons in **2030**

Achieved **16,371** persons as of **H1/23**



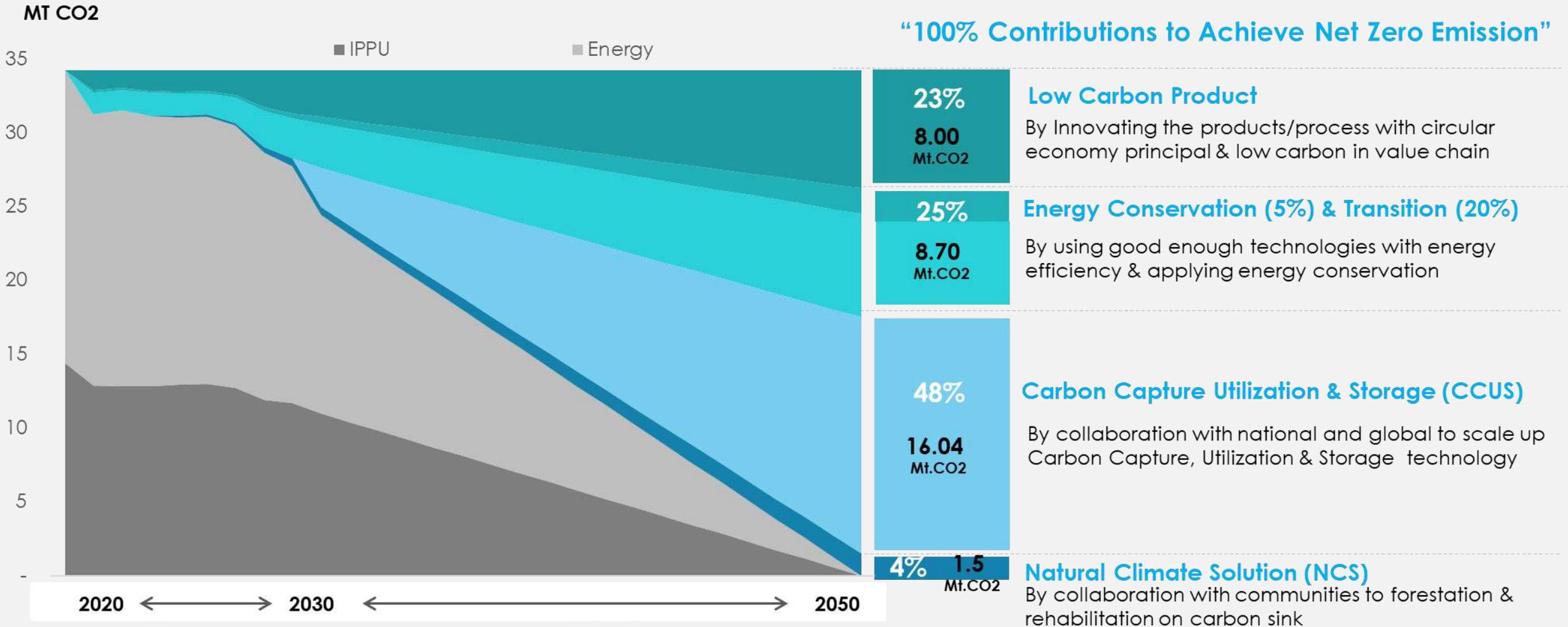
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SCG GHG Roadmap Towards 2050

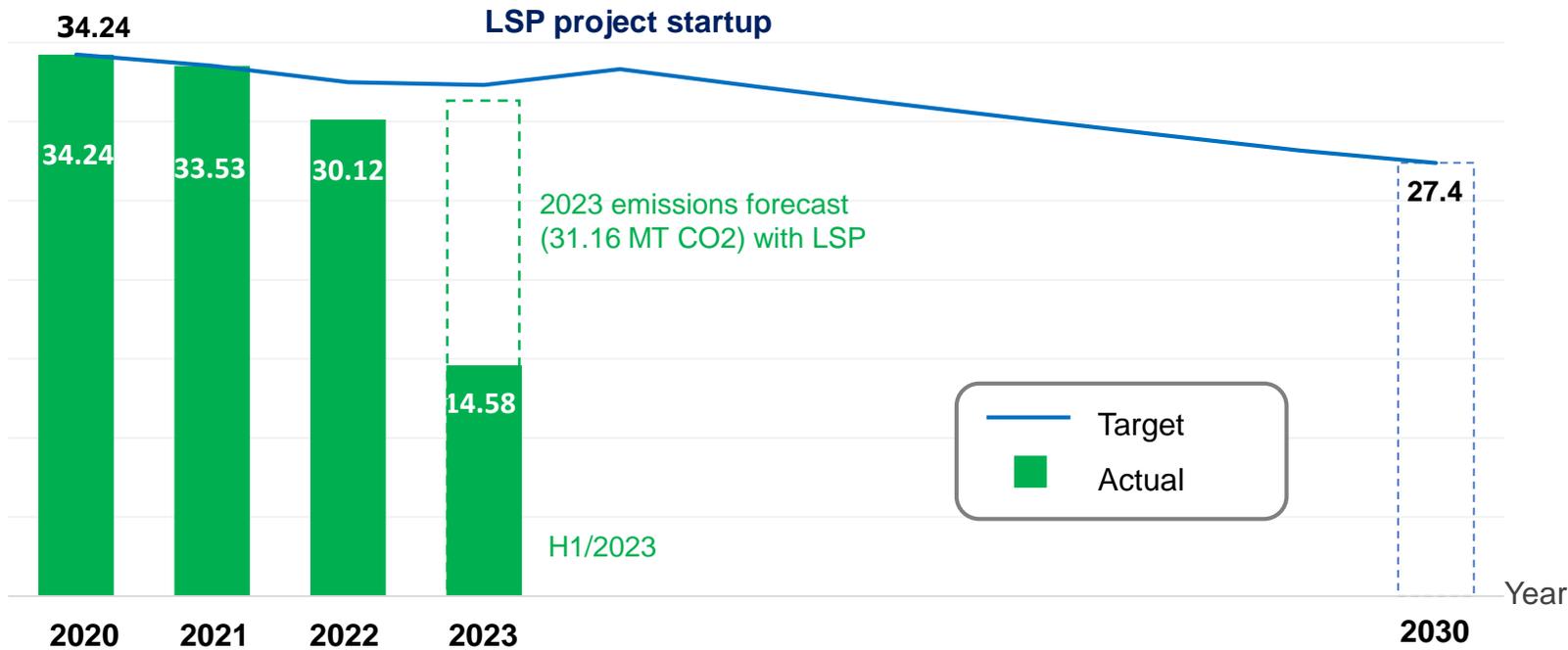


Net Zero by 2050:

In 2022, greenhouse gas emissions decreased 4.13 million tons CO₂ compare with base year 2020 (12.05%). This is on track to decrease GHG according to SBTi (25% by 2030).

GHG Emissions

Unit: MT CO₂



Note:

- 2022 GHG emissions if assume normalized capacity utilization (31.12 MT CO₂)
- H1/2023 is the actual of Jan-May and estimate Jun



Energy Efficiency

By using the best available technologies with energy efficiency



Alternative Fuel

By increasing the share of Alternative Fuel



Renewable Energy

By increasing the share of renewable energy



Low Carbon Products

By innovating the products with circular economy principle and low carbon in value chain



CCUS

By networking with national and international to scale up carbon capture, utilization and storage (CCUS) technologies



Natural Climate Solution

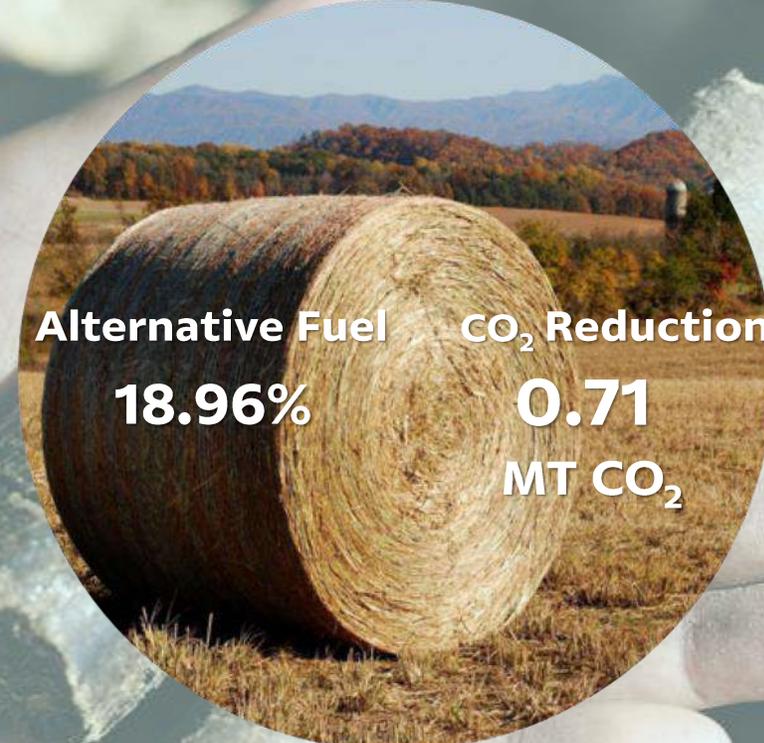
By collaborating with communities and authorities to forestation and rehabilitation as carbon sink

2022 Performance - Energy Transition



Capacity
207
MWh

CO₂ Reduction
0.098
MT CO₂



Alternative Fuel
18.96%

CO₂ Reduction
0.71
MT CO₂



Energy Efficiency
CO₂ Reduction
0.34
MT CO₂

Low Carbon Product

SCG Green Choice: An Eco-Friendly Label

"A Green Label for Sustainable Innovation
: Your Choice for the Earth"



**1 million tonnages
by 2030**

ขวดบรรจุภัณฑ์รีไซเคิลชนิด HDPE
จากนวัตกรรมพลาสติกที่เป็นมิตรกับสิ่งแวดล้อม
ลดการใช้ทรัพยากร และรีไซเคิลได้



**GREEN
CHOICE**

Hydraulic Cement

Reduce CO₂ in cement production process



CO₂ Reduction

600,000

Ton CO₂ / ปี

= **60** million trees

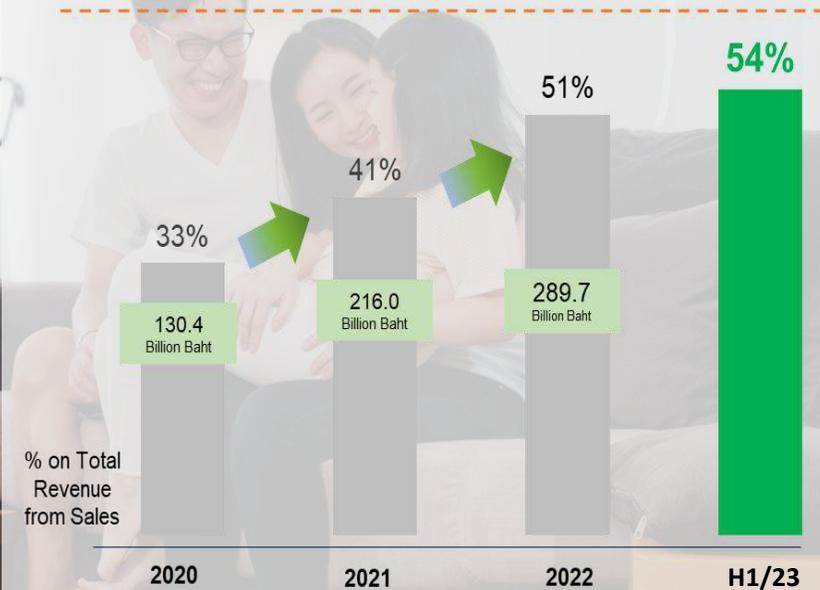


**Recyclable, Reusable,
or Compostable
Packaging**



equals 100%
total volume of
packaging by
2025

SCG Green Choice



Target 2/3 or
67% of total
revenue from
sales by 2030

Natural Climate Solution

รักษ์ภูเขา...มหานที

“Conserving water from Mountain to Mighty Ocean”

SUSTAINABLE DEVELOPMENT GOALS



Upstream

- ✓ Protection, restoration and sustainable use of forest landscape



Check Dam >115,000 units (2007 – 2023)

- Forest restoration
- Reduce wildfire, drought, flood
- Balance ecosystem

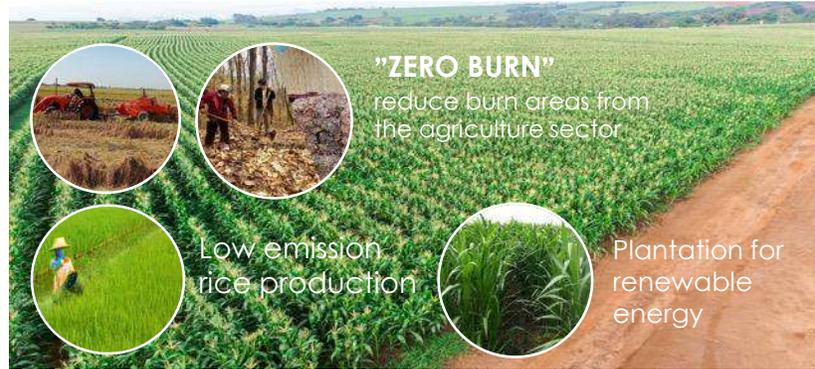
Tree Plantation 4700 rais

Conserve & maintain community forests



Midstream

- ✓ Sustainable agriculture systems



- ✓ Providing space for rivers to naturally flow



Reduce impact from drought and environment problem

Downstream

- ✓ Protection or restoration of wetland coastal ecosystem



Planting Mangrove and seagrass

Waste management (Trang river)

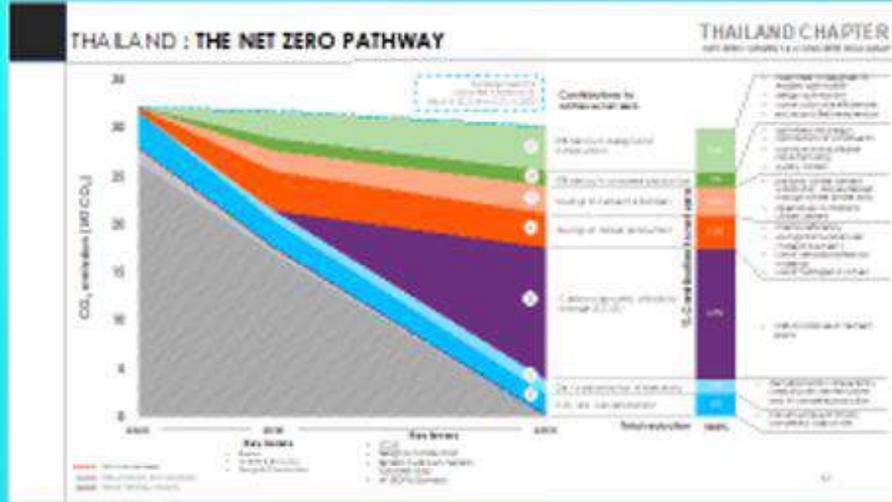


From Global to Local Partnership

Deploy Global Cement and Concrete Net Zero Roadmap to Thailand Chapter



Bring Thailand to Global Stage, COP 27, as the first country launching localize net zero pathway for cement and concrete industry



Target setting:
300,000 t-CO₂ by 2022



In 2021, achieved GHG reduction 334,557 t-CO₂



TCMA 'MISSION 2023' with 25 alliances targeting to reduce GHG 1,000,000 ton CO₂

Change Together by PPP Model



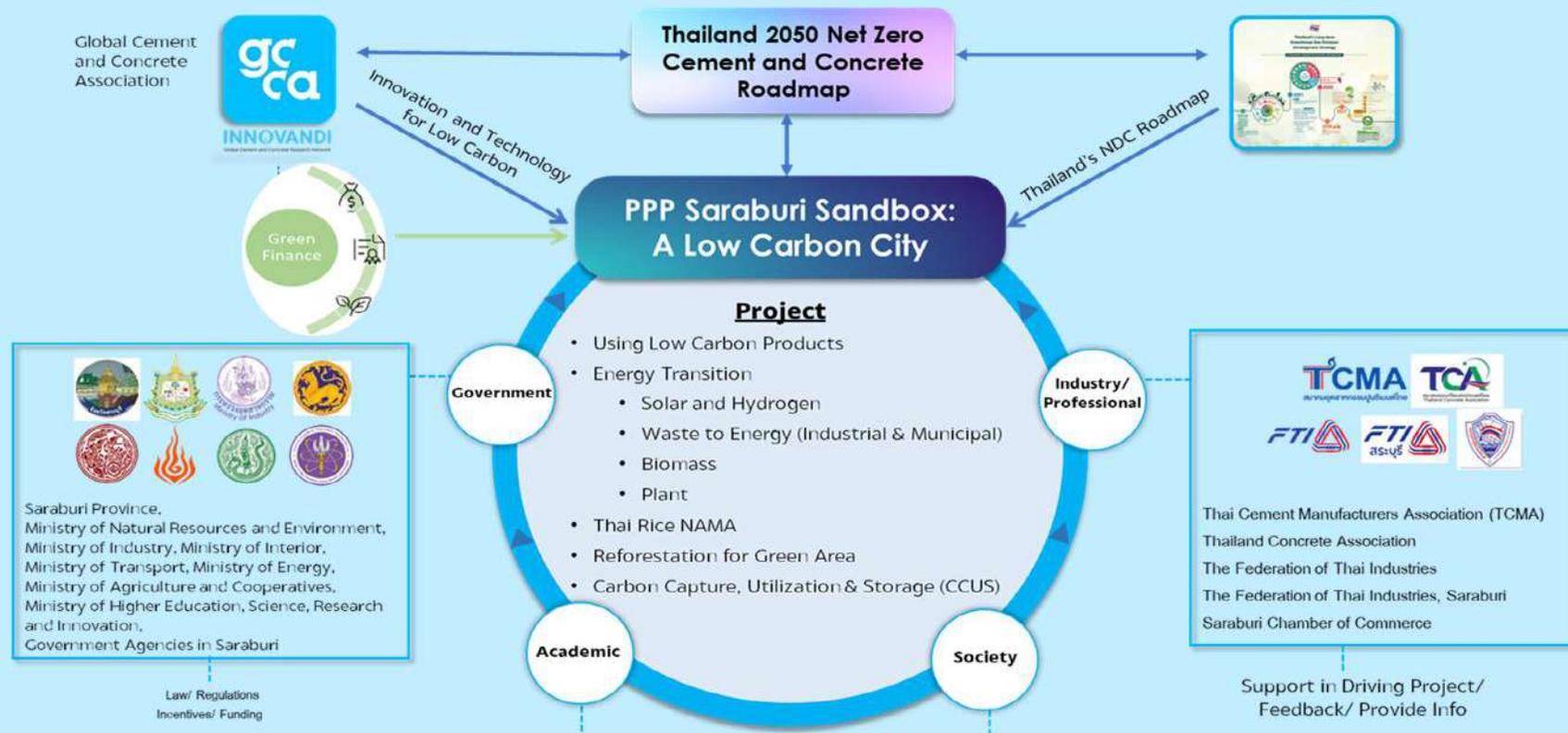
"2024 Thailand's New Era of Low Carbon Cement : Hydraulic Cement"



100% Hydraulic Cement

Collaboration Initiatives: “PPP-Saraburi Sandbox: Low Carbon City”

The low-carbon city model: a use case for reducing greenhouse gas emissions in each sector in accordance with the Thailand NDC roadmap



Energy Transition: The study of solar and hydrogen energy



Industrial Processes and Product Use (IPPU): Manufacture/ use of low carbon product



Waste: Cost effectiveness and correct management



Agriculture: Energy efficient crops and low carbon field



Land Use, Land Use Change & Forestry (LULUCF): Trees and forests planting as a carbon sink



Trust thru Transparency by Data Integrity



Disclose ESG performance with **transparency** and comply to well-acknowledged frameworks



Capacity Building



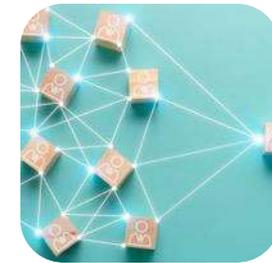
What could we **plan now** for **the next decade** of change ?



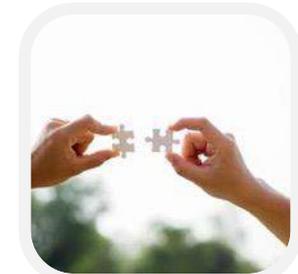
Create
TRANSFORMATION CULTURE



With **AGILE**
and **ADAPTIVE** leadership



From
GLOBAL to **LOCAL**



From License to operate
to **BUSINESS PLAN INTEGRATION**

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**การมีส่วนร่วมพัฒนาชุมชน
หรือแก้ไขปัญหาลังคมอย่างยั่งยืน**

ESG

ลดหล่อมลำสังคม

ตั้งเป้า **50,000** คน
ปี 2022-2030



การศึกษา

อาชีพ
13,923 คน



16,371 คน
(2022 - H1/2023)

สุขภาวะ
2,448 คน





**สร้างอาชีพที่ตลาดต้องการ
ด้วยความรู้คู่คุณธรรม**



พลังชีวิตชุมชน พึ่งพาตนเองอย่างยั่งยืน ด้วยหลักสูตร **Mini-MBA**

ผลสำเร็จ **ตั้งแต่ปี 2018 - ปัจจุบัน**

รายได้เพิ่ม
4-5 เท่า

อบรม
650 คน

1,150
ผลิตภัณฑ์

จ้างงาน
3,410 คน

ส่งต่อ
ความรู้
26,130 คน



เกิดเป็นเครือข่ายชุมชนเข้มแข็ง

ครูอ้อ อาจารย์ วงศ์ษา จ.ลำพูน

ศูนย์หัตถกรรมบ้านงานฝีมือบ้านผาหนาม อ.ลี้ จ.ลำพูน



เปลี่ยนน้ำตาเป็นพลัง
ความหวังของหมู่บ้าน



ศูนย์หัตถกรรมบ้านงานฝีมือบ้านผาหนาม อ.สี จ.ลำพูน

ขยายการอบรมสู่กลุ่มเปราะบาง

ผู้สูงอายุ



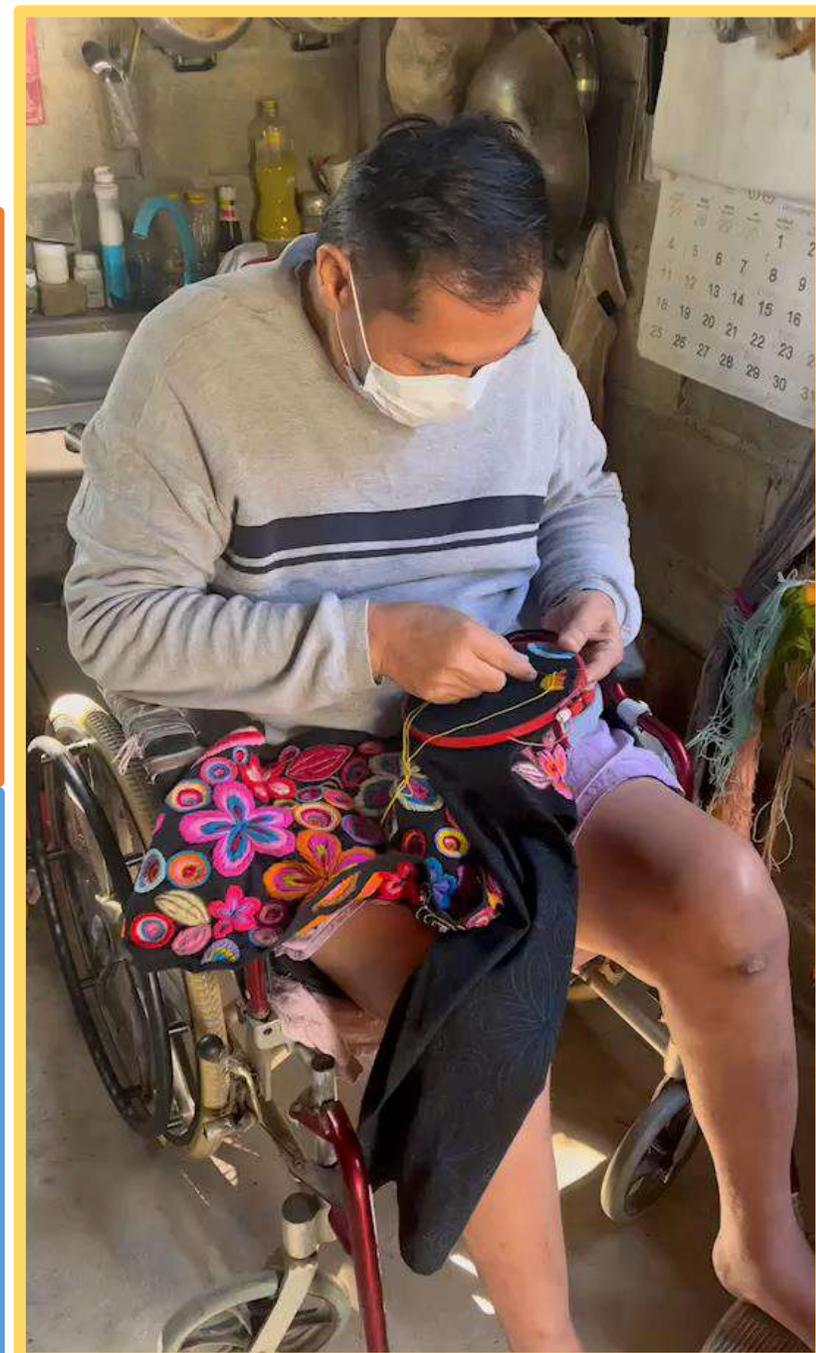
เยาวชน



ผู้พิการ/ผู้ป่วยติดเตียง



แม่เลี้ยงเดี่ยว



ผลงาน ศูนย์หัตถกรรมบ้านงานฝีมือบ้านผาหนาม อ.สี จ.ลำพูน





พอ
ประมาณ

มีเหตุผล

มีภูมิคุ้มกัน

ความรู้ + คุณธรรม



- รู้คุณค่าตัวเอง
- มีความรู้คู่ปัญญา
- พึ่งพาตน



- ปรับเปลี่ยนให้
สอดคล้องกับบริบท



- แบ่งปันคนรอบข้าง
- สร้างการเติบโต
ด้วยกัน

3 หัวใจ เปลี่ยนให้ปัง
ยั่งยืนด้วยหลักปรัชญาเศรษฐกิจพอเพียง

ความเหลื่อมล้ำสาธารณสุข

ผู้ป่วย

ห่างไกล
จากสถานพยาบาล



S.P.
แออัด
รอคิวนาน

แพทย์ พยาบาล

บุคลากร
การแพทย์
ไม่เพียงพอ



การเก็บข้อมูล
ไม่แม่นยำ
(Manual)



โครงการแพทย์ดิจิทัลดูแลผู้ป่วยทางไกล



นำร่อง
จังหวัดนราธิวาส เพชรบูรณ์ ลพบุรี
ราชบุรี และกรุงเทพฯ

1 ชุด ดูแลผู้ป่วย 600 คน/ปี

Telemonitoring
ดูแลผู้ป่วยทางไกล ติดตามสุขภาพ
เก็บข้อมูลอย่างแม่นยำและต่อเนื่อง

Telemedicine
ระบบปรึกษาแพทย์ออนไลน์





ประโยชน์ผู้ป่วย

- ลดค่าใช้จ่าย
 - ลดเวลา
- ลดการโอกาสติดเชื้อ
- ข้อมูลผู้ป่วยถูกต้องแม่นยำ

ประโยชน์แพทย์ พยาบาล

- เพิ่มประสิทธิภาพการ
รักษาพยาบาล
 - ลดเวลา
 - ลดความแออัด
- ลด Healthcare Cost

A composite image representing a smart city with green spaces, solar panels, and people running. The background is a bright, sunny day with a blue sky and white clouds. In the foreground, there are several solar panels on a grassy field. In the middle ground, a man and a woman are jogging. In the background, there are modern high-rise buildings. On the left side, there are lush green trees and a deer. The overall scene is a blend of nature, technology, and urban development.

**ลดเหลื่อมล้ำสาธารณสุข
แม้อยู่ไกล ก็อุ่นใจ เหมือนใกล้หมอ**



PASSION FOR BETTER



Business Overview



SCG's Growth Portfolio



SCG's Shareholding (%)

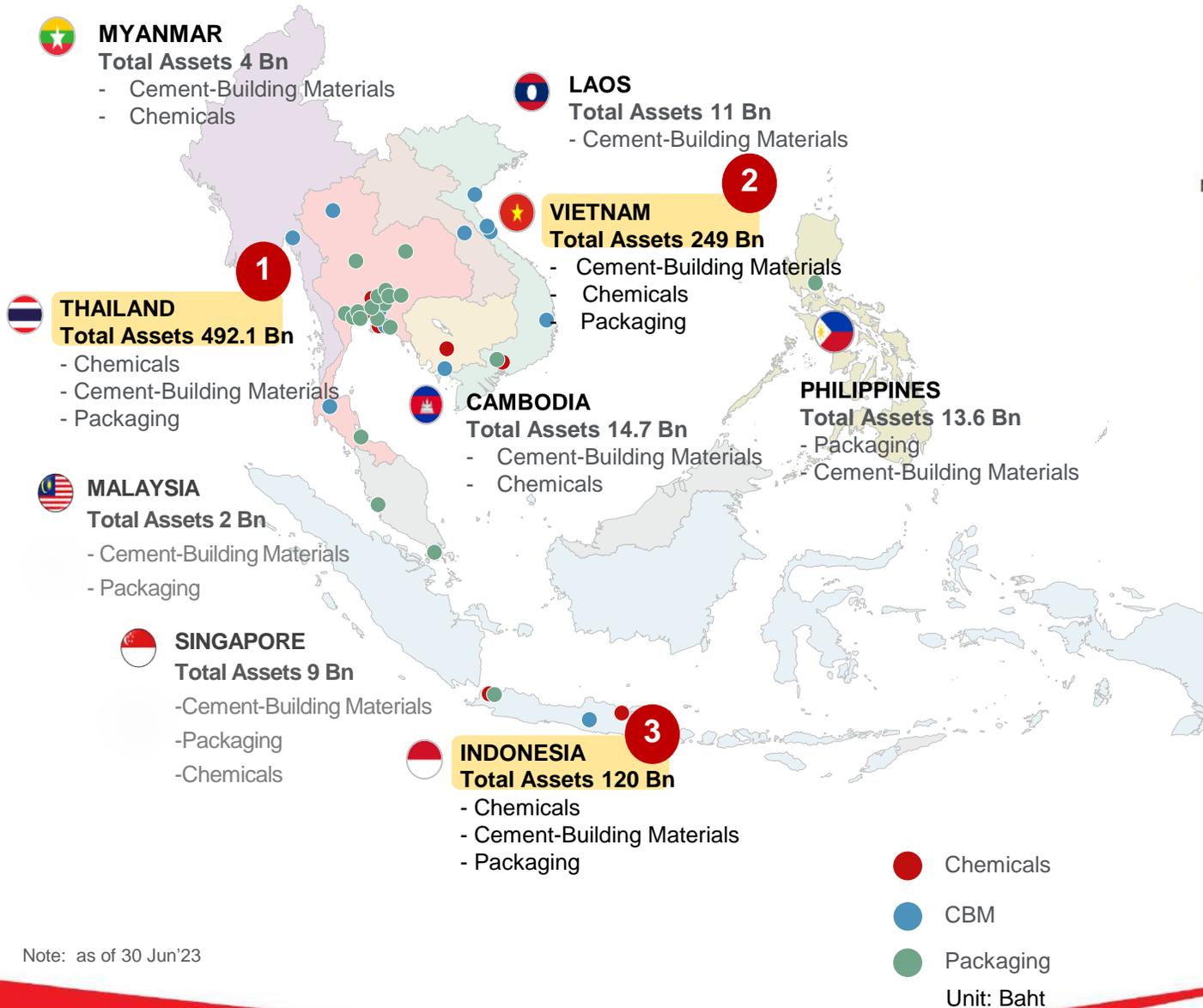


Note: as of 30 Jun'23

*SCG through its subsidiaries holds 42.9% stake in SCGJWD



Where We Are in ASEAN (as of Q2/23)



Business Overview

	Cement and Building Materials Business		SCGC (Chemicals Business)		SCGP (Packaging Business)		
Number of employees	26,631		6,516		22,821		
Revenue from sales	204,594 million baht		236,587 million baht		146,068 million baht		
Manufacturing plants	Cement	Ready-mix cement	Olefins	Polyolefins	Packaging Paper	Pulp and Paper	
	10 plants	762 plants	2 plants	9 plants	8 plants	6 plants	
	Ceramic tile	Roof tile	PVC and related	PCR	Fiber Packaging	Consumer and Performance Packaging	Packaging Material Recycling
	19 plants	13 plants	21 plants	2 plants	29 plants	14 plants	1 plant
Services and others	Distributing networks	CPAC Solution Center	R&D center		SCGP Inspired Solutions Studio		
	509 outlets nationwide	23 centers	4 countries (Italy, United Kingdom, Norway, and Thailand)		Online e-commerce platforms such as https://testforfood.com and https://www.doozyonline.com/		
	Housing-related online platforms (SCG Home, Q-CHANG, Design Connxt)		i2P Center-Innovation Center Ideas to Products		Remarks: 1,846 other employees		



Note: as of 30 Jun'23

Vision

SCG is dedicated to becoming a leading business in ASEAN

by driving its developing of innovative products, services and solutions

that meet consumers' diverse needs.

The Company is committed to grow sustainability by integrating ESG

to contribute to a growth of every society and community where we operate.

Through the passion of everyone in the organization,

the Company has continued to deliver “betterment”

to customers under our promise

“Passion for Better.”



SCG Business Philosophy

THE 4 CORE VALUES

Adherence to Fairness
ตั้งมั่นใน**ความเป็นธรรม**

Believe in the Value of the Individual
เชื่อมั่นใน**คุณค่าของคน**

Dedication to Excellence
มุ่งมั่นใน**ความเป็นเลิศ**

Concern for Social Responsibility
ต้อมั่นใน**ความรับผิดชอบต่อสังคม**



“We, **SCG**, can make a difference”

Balance Triple Bottom Lines (tangible and intangible capitals)

Corporate Governance

Conduct business with fairness and transparency in compliance with national and international corporate governance principles as well as implements systematic risk management and internal control.

Growing Economy

Conduct business with the ultimate goal of creating mutual benefits throughout the value chain, meet the needs of customers, and enhance the quality of life and well-being of people in society through innovation.

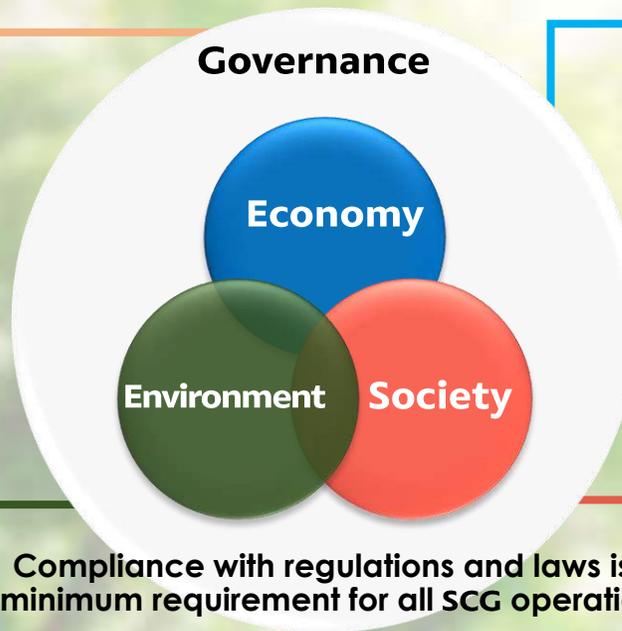
Sustainable Development Framework

Protecting Environment

Commit to sustainable environmental and natural resource conservation, resource efficiency, and the preservation of ecological balance.

Caring Society

Provide equal opportunities for all groups of people to reach potential development and quality society.



Compliance with regulations and laws is a minimum requirement for all SCG operations.