



Thailand SDGs Forum 2017

Business in Action

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Sustainable Development



Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

(Brundtland Report, World Commission on Environment and Development, 1987)

SCG Business Overview

- ❑ Historical roots in producing Cement and expanded to Petrochemicals, Paper & Packaging, Building Products, and Distribution.
- ❑ Listed on the Stock Exchange of Thailand since 1976.
- ❑ In 2016, Assets 539.7 billion baht, Revenue from sales 423.4 billion baht (23% within ASEAN), EBITDA 96.2 billion baht (18% on Total Assets).
- ❑ Total employees of 53,728 persons within the ASEAN region (31st December 2016).



Core Business Units:

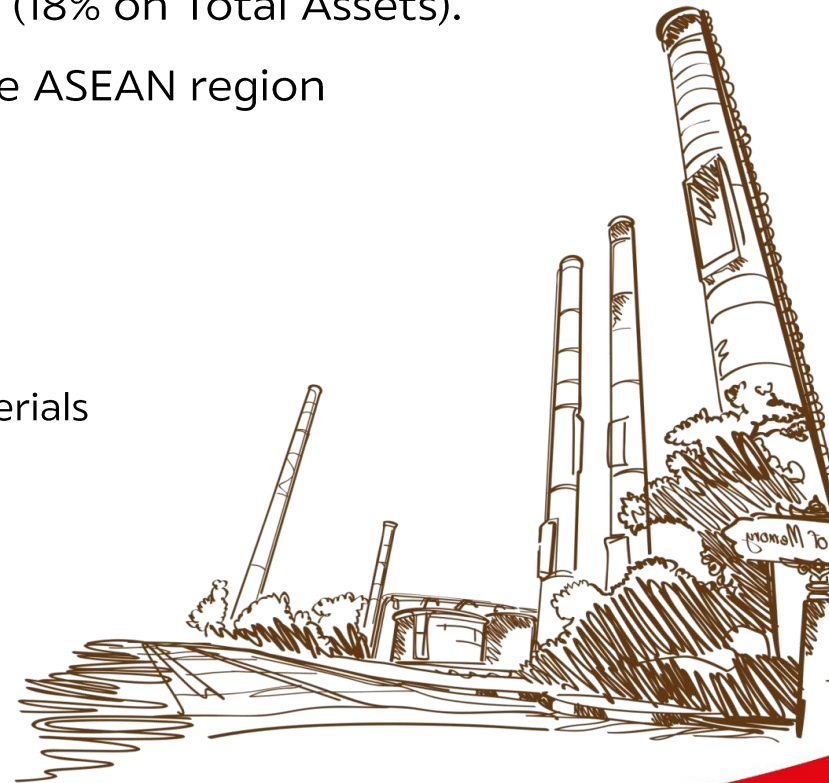


SCG Cement - Building Materials

SCG Chemicals



SCG Packaging





Adherence to **Fairness**
ตั้งมั่นในความเป็นธรรม

Dedication to **Excellence**
มุ่งมั่นในความเป็นเลิศ

Belief in the **Value of the Individual**
เชื่อมั่นในคุณค่าของคน

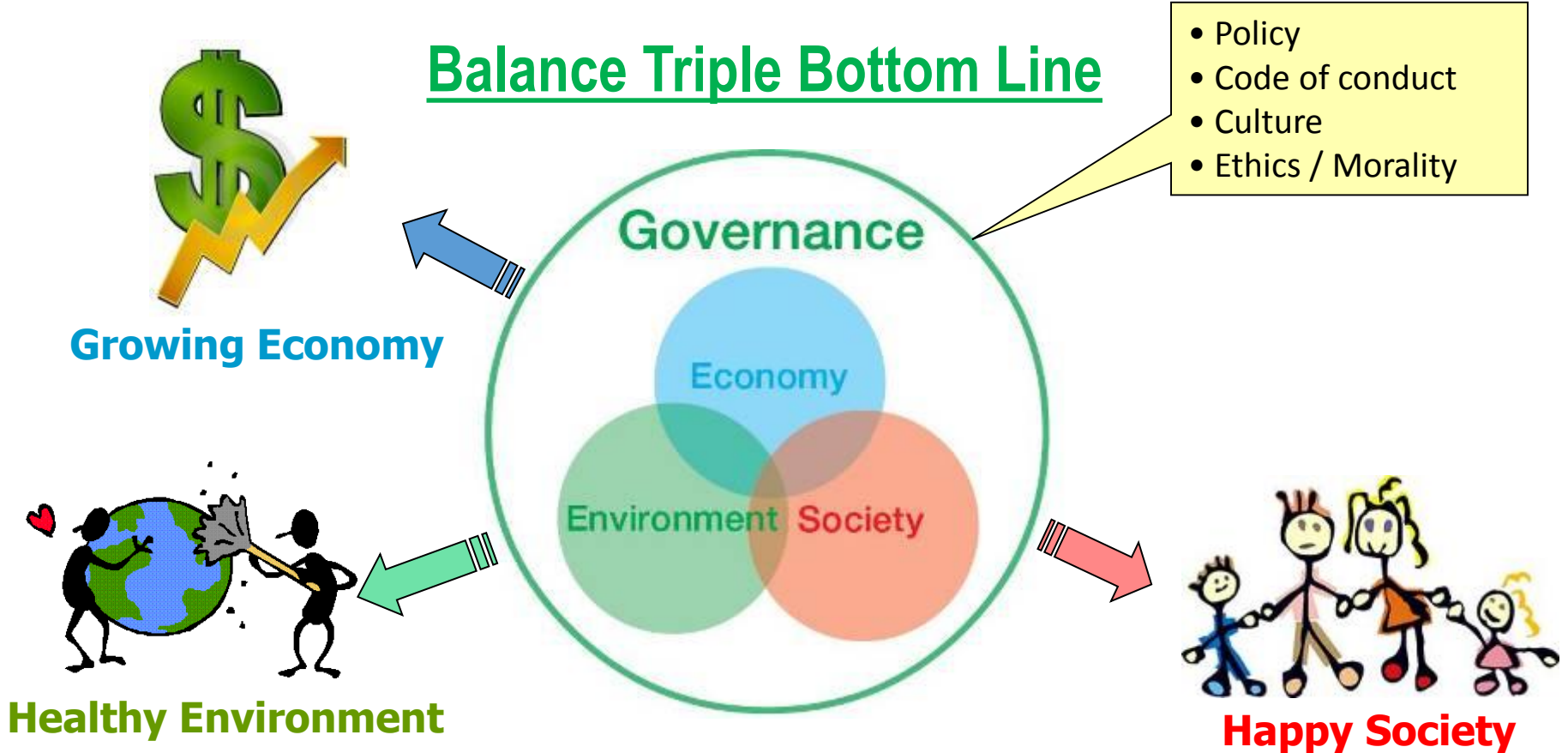
Concern for **Social Responsibility**
ต่อมั่นในความรับผิดชอบต่อสังคม

SCG will become
a **Regional Business Leader**
with emphasis on **Innovation**
and **Sustainability**



“We, SCG, can make a difference”

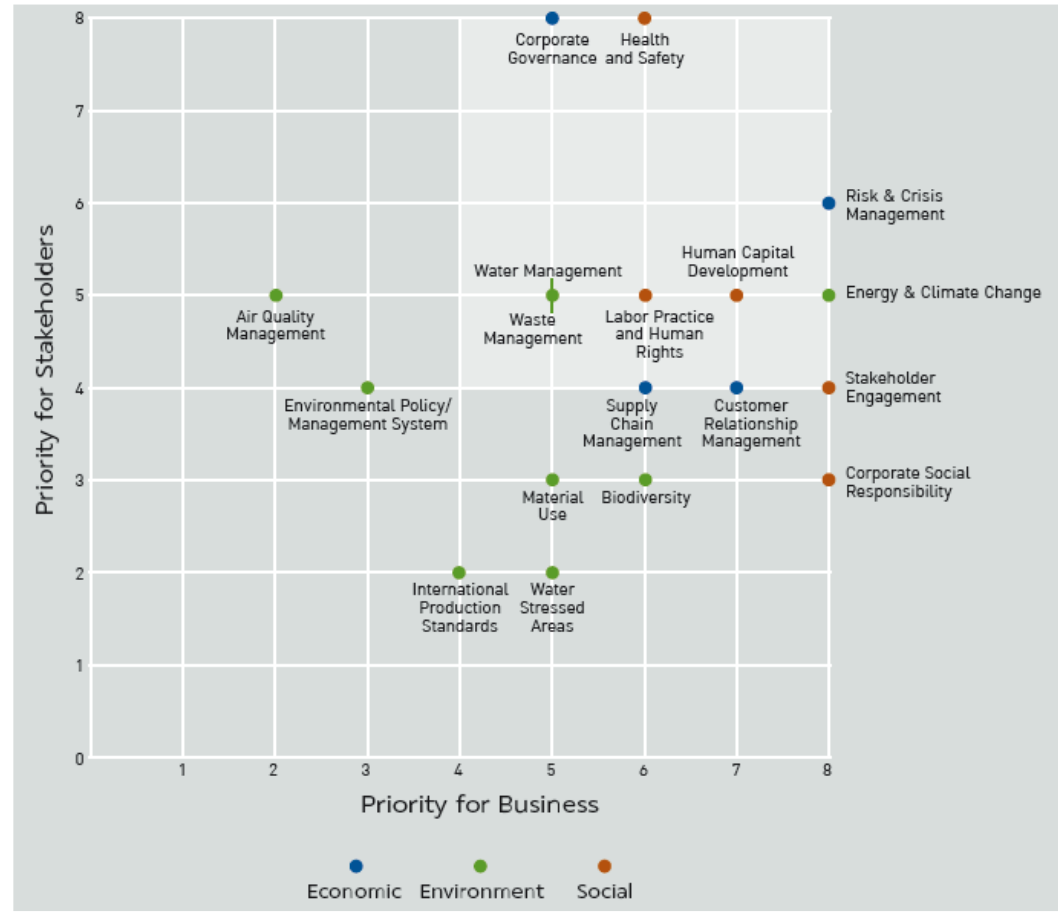
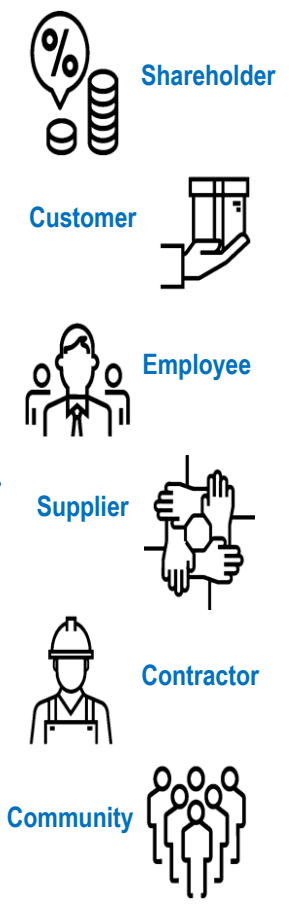
Balance Triple Bottom Line



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

Sustainable Development Framework

Global trend,
Stakeholder's need,
Voice of customer,
Risks & Opportunities



The SDGs provide us with a new lens through which to translate global needs and ambitions into business solutions.

From Materiality to Value Creation Practices

Environment

Corporate Governance

Code of Conduct / Whistleblower / Reporting

Society

Energy & Climate

Alternative Energy /
Waste Heat Power Generation



Biodiversity

Semi-opened Cut Mining /
Check Dams

Waste

Zero Waste to Landfill / 3R Policy



Social Activity

Well-being / Partnership



Green Procurement

Greening the Supply Chain



OH&S

Safety Framework & Culture

Green Building

Energy Conservation /
Environmental Friendly



Human Development

Education / Sport / Art

SCG eco value

Process / Product & Service

Sustainable Development Goals



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS


SUSTAINABLE DEVELOPMENT GOALS



CEO Guide

to the Sustainable
Development Goals

<http://sdghub.com/>



Implications for **your company**

1 Risks of inaction

Doing nothing is a costly option

2 Capturing opportunities

The prize of aligning business strategies with the SDGs

3 Governance & transparency

Better information = better decisions

4 The need for collaboration

Realizing the SDGs is beyond the reach of one company

From a business perspective it is important to understand the **implications of the SDGs across four key pillars**

Energy and Climate Change

By 2020, reduce GHG emissions per production unit by 10 percent from the base year 2007.



- Increase energy efficiency,
- Mitigate impact of fossil fuel use,
- Enhance the capacity for alternative energy



Strategies



- Manufacture products and services for GHG emission reduction

Alternative Energy



**9.9%
in 2016**



- Make the workforce aware of energy use

SCG has reduced GHG emission up to 1.81 million tons or 7.0% reduction from BAU of 2007

Highlight Projects

Refused Derived Fuel (RDF) Projects

-1,394,000 | -134,200

Utilization of Biogas from Anaerobic Digestion as Fuel in Boiler

-512,000 | -197,200 | -60,700

Utilization of Biomass and Waste Reject from Recycled Paper as Fuel in Boiler

-931,300 | -95,640

Utilization of Biomass as Fuel in Cement Kiln

-246,000 | -24,200

Waste Heat Power Generation (WHG) Projects

-651 | -378,000

Improvement of Coal Gas Production Systems in Ceramic Tile Plants

-1,291,400 | -127,000

Improvement of Energy Efficiency of Furnace in Olefins Production by Using emisspro® Technology

-600,800 | -35,100

Improvement of Boiler Efficiency in Kraft Production

-1,424,000 | -164,000

Equivalent to CO₂ Reduction [Ton CO₂ / Year]

Reduce / Replace Coal Usage [Gigajoules / Year]

Reduce / Replace Electricity Usage [Gigawatt-hours / Year]

Reduce Natural Gas Usage [Million BTU / Year]

Production and Sales of SCG Hybrid Cement

-110,000

Solar Energy Generation on Plant Rooftops

=1,011



Energy Source



Production Process



Products and Services

Biomass Fuels: Agricultural Wastes



Alternative Fuels: Industrial Wastes



Waste Heat to Electricity



Gasifier





Refuse Derived Fuel (RDF)



Conserving Water for Tomorrow Project





Food Packaging



Medical Devices Derived from Petrochemicals



SCG Towards Sustainable Development Goals

	1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION	7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS
Corporate Governance										●						●	●
Health & Safety			●					●									●
Human Rights					●			●		●						●	
Employee Caring and Development			●					●	●	●							
Energy and Climate Change	●			●			●				●	●	●				●
Water Management	●	●	●	●		●			●			●		●			●
Material Use and Recycling Strategy									●			●		●			
Waste Management									●		●	●					●
Sustainable Products and Services							●		●			●					●
Sustainable Value towards Customer							●			●							
Create Sustainable Value towards Supplier										●		●					
Biodiversity and Ecosystem												●			●		
Concern for Society and Community	●	●	●	●		●	●	●			●	●	●	●			●

Sustainability is in your hands



SCG / *เพื่อการพัฒนาที่ยั่งยืน*
SUSTAINABLE DEVELOPMENT