Green Economy:



Actions to Achieve Net Zero while Growing Business



What is The Green Transition ?

History and the Participation of the

Page 2

The Green Transition is an Energy Transition





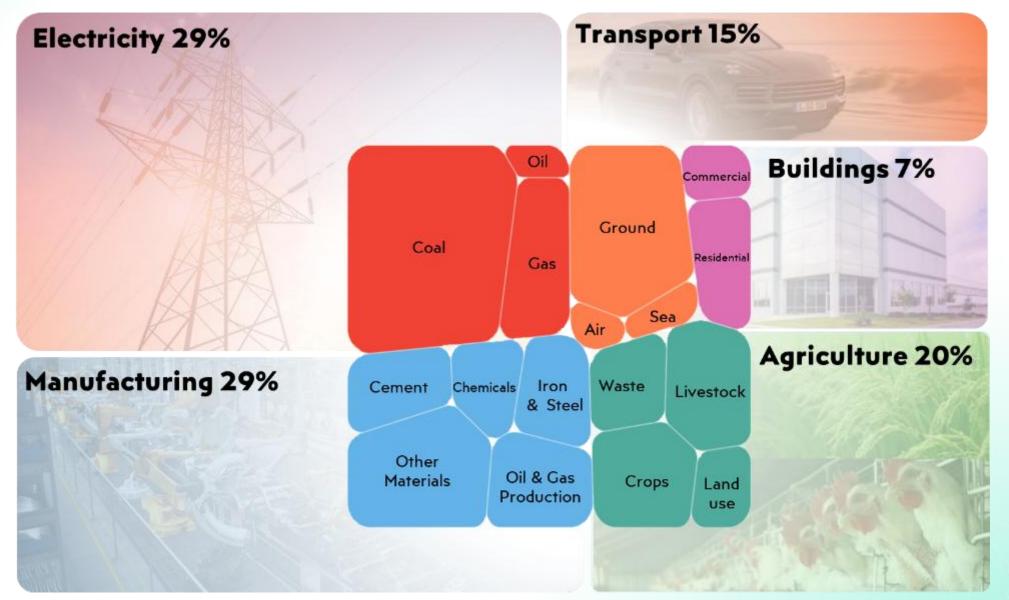
Things we make

Things we eat

Page 3

Where do all the emissions come from today?

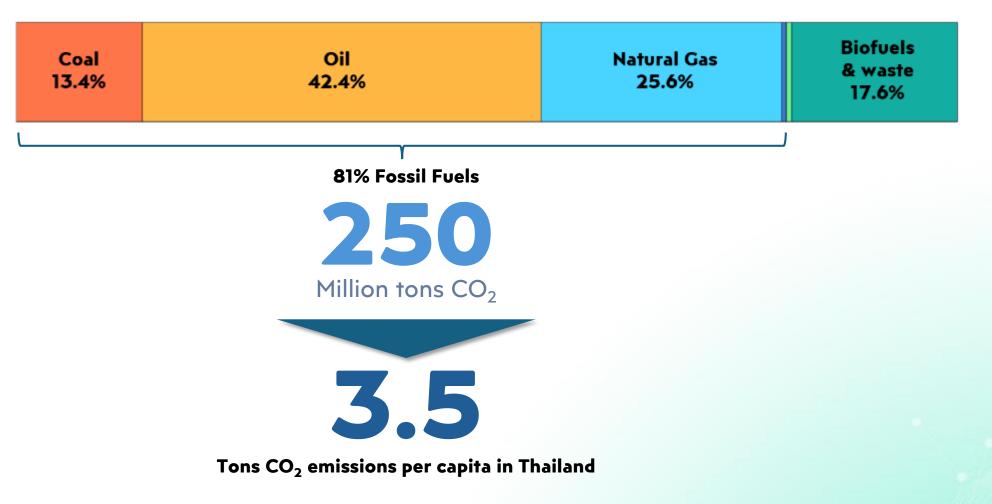




Where our (Thailand's) energy comes from and your personal footprint...



IEA: Thailand Energy supply (2022) – total energy fuel + electricity



58kg CO₂ to manufacture

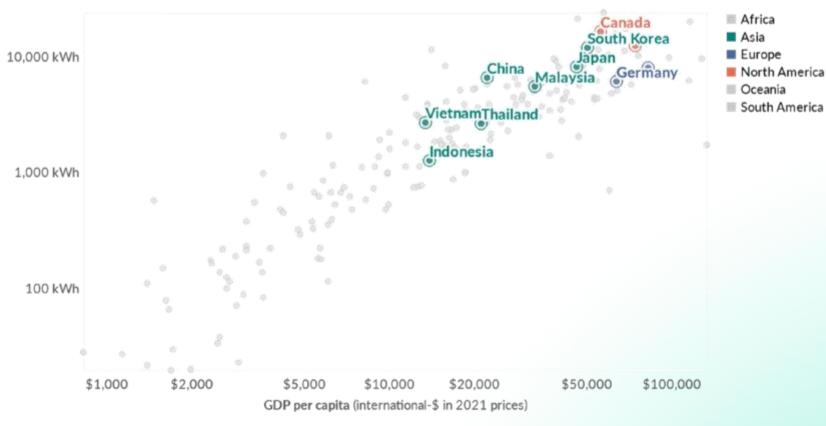
10kg to charge over the life of the device

More energy = more prosperity

Our World in Data

Per capita electricity generation vs. GDP per capita, 2023

Average annual electricity consumption per capita, measured in kilowatt-hours¹ per person. Gross domestic product (GDP) per capita is adjusted for inflation and differences in living costs between countries.



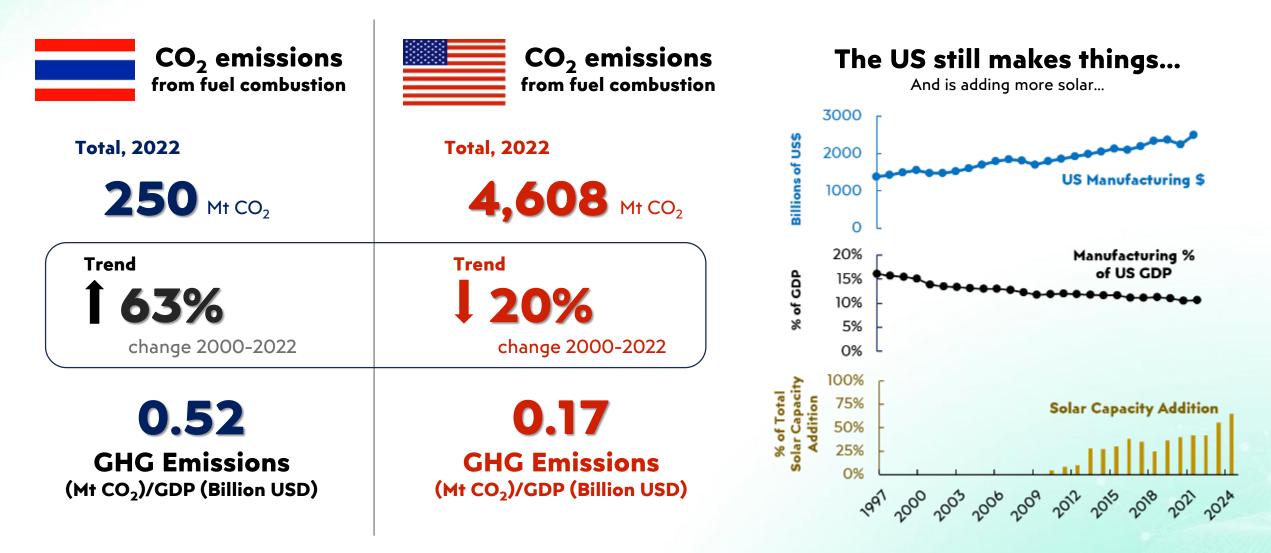
Per capita electricity use (kilowatt-hours)

Data source: Ember (2024) and other sources

Note: GDP data is expressed in international-\$² at 2021 prices.

OurWorldinData.org/electricity-mix | CC BY

Why should Thailand change? Because it can and it makes good business sense... Thailand vs the US SCG



Source: bea.gov, tradingeconomics.com, statista.com, & macrotrends.net

CBAM & Carbon Tax are policies to drive change...





Climate Crisis

- The world's first Global Stocktake, published by the United Nations, takes a detailed look at climate action progress.
- The world has failed to limit temperature increase to within 1.5 degree Celsius, urgent need for accelerated action to reach climate goals.
- Business can not survive, if the world can not survive.

DOUBLE DOWN, TRIPLE UP THE WORLD NEEDS 3x RENEWABLES





Carbon Tax

- Cost of doing business will be increased due to carbon tax policy in many countries
- **Singapore's carbon tax** was raised to $\$25/tCO_2$ with effect from 2024. It will be raised to $\$45/tCO_2$ in 2026 and 2027, with a view to reaching $\$50-80/tCO_2$ by 2030.
- **CBAM:** prevent carbon leakage in EU by imposing a carbon price on imported products with targeted industry namely steel, cement, electricity, and fertilizer



Geopolitics & Trade War can slow down green transition

- Trump administration won't create policies to support renewables; however, the US is a complex market place.
- Solar in the US grew under the Trump 45 administration.
- States, cities and businesses in the US will still meet green transition investments



How can my company navigate the change?



DOUBT:

I don't think changing can make a difference ...

The technology isn't ready or right for my business

UNCERTAINTY:

I don't know how to start or where to get help ...

FEAR:

If I change my business will suffer ...

How Can my Company Navigate the Change?



1: Utilities

How much you use Where to change to renewables



2: Process

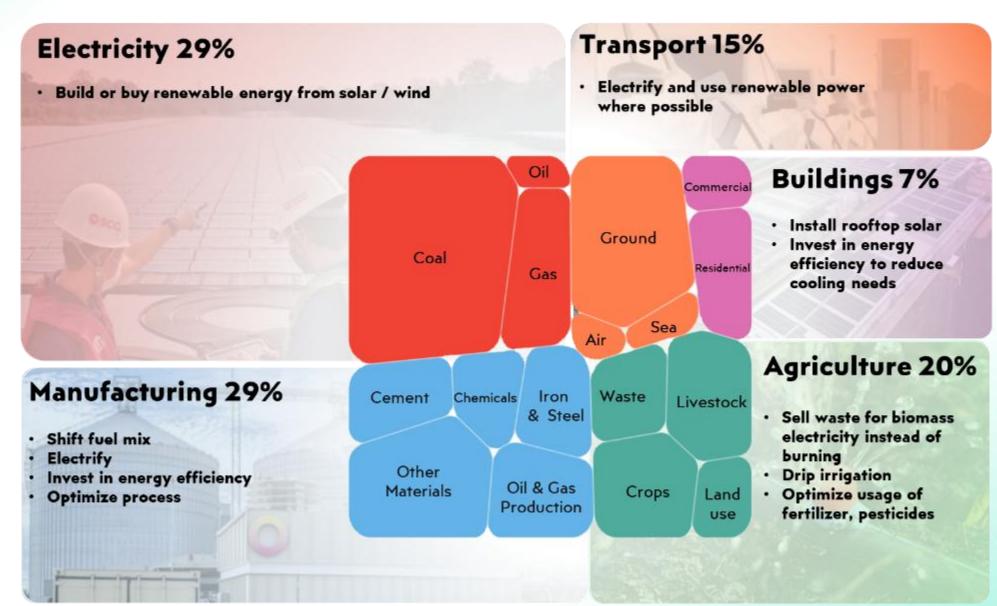
How to change your process steps and inputs



Green products through new processes

Example projects that can generate returns now in each sector



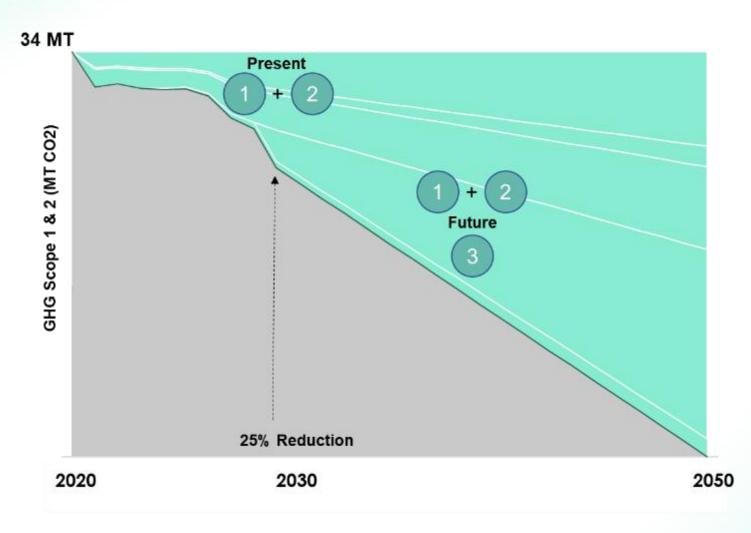


How is SCG Accelerating The Change ?



SCG Net Zero 2050 Roadmap





Energy Efficiency & Transition

By exploiting state of the art technologies to improve energy efficiency and increase proportion of renewable energy

3

Low Carbon Product & Process

By Innovating the products and processes with circular economy principle and low carbon technologies in value chain

Carbon Capture Utilization & Storage (CCUS)

By developing and scaling up Carbon Capture, Utilization & Storage technology with national and global collaboration

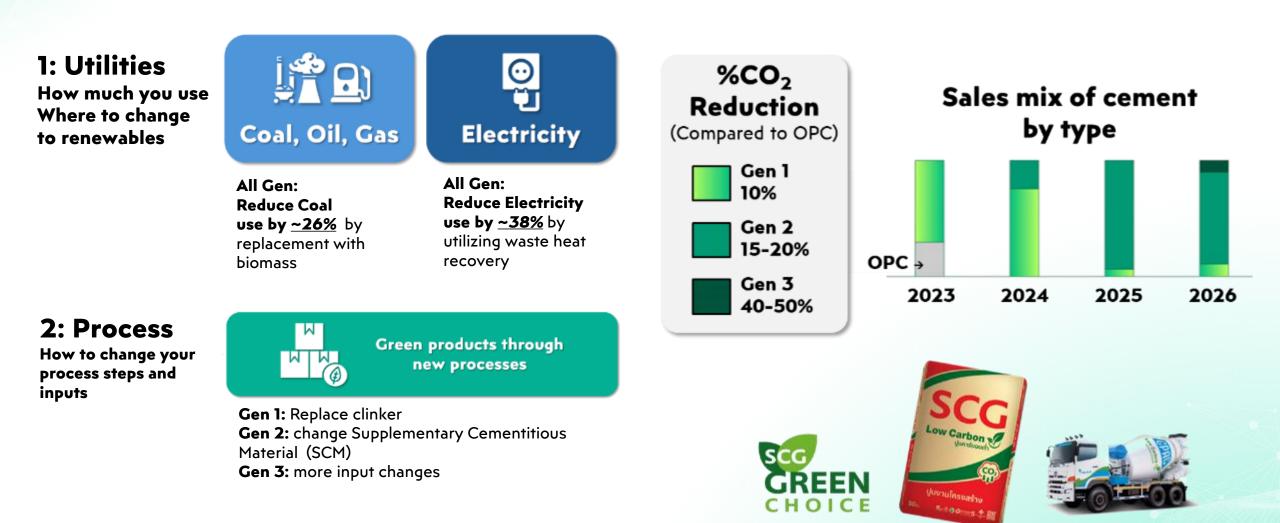
Others

Carbon Offsetting

- Natural Climate Solution (NCS) By collaboration with communities to forestation & rehabilitation on carbon sink
- Carbon Removal By removing GHG from the atmosphere to achieve Net Zero balance

Example: How we have lowered the CO₂ footprint of cement by more than 50kg per ton





***OPC** = Ordinary Portland Cement (OPC)

Green Innovations are Growing in Demand





Go far together

SCG



SCG Deep Technology Investment Team engages with innovative companies to build future business for SCG...



Investment key themes aligned to SCG's businesses:



Packaging industry



B.Mat / Chemicals construction industry industry



Logistics

industry



EV New energy industry

And more...

Examples:



Heat storage to deliver on-demand heat supply and carbon reduction
To scale up with SCG as a <u>thermal media supplier</u>



- Ultra high efficiency solar panel
- Potential scaling up scenario includes manufacturing of panels



• Adapted enVerid system from the U.S. to SCG Air Scrubber, an air quality and energy management system



How Can SCG Help my Company ?



SCG Cleanergy:

save costs and decarbonize with fully integrated solar solutions.





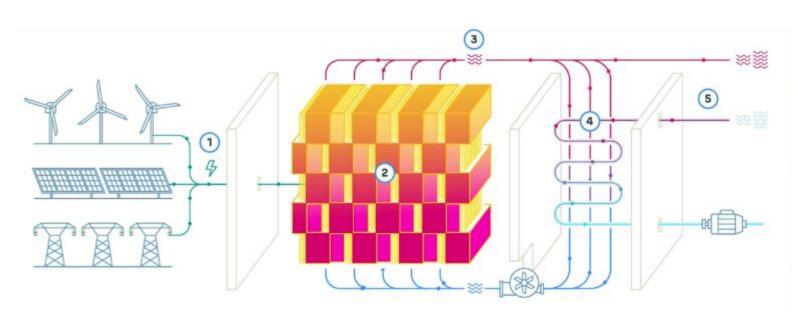




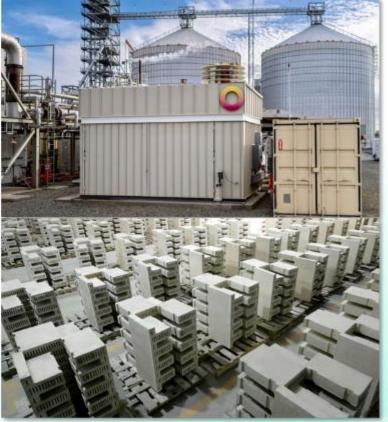
CubicPV advancing solar to create the highest solar efficiency and the lowest cost of electricity

SCG

RONDO Powering Industry with Clean Heat with the World's highest efficiency of Heat Battery "Rondo".



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Lowering Your Energy Bills with Pioneering Energy Efficiency Solutions.





enVerid Systems cuts energy use and costs by up to 30% while improving indoor air quality.



PCS: save 15-20% on Energy Costs in Cold Chains.







Go Green & Grow Together



