

เป้าหมายการจัดการสิ่งแวดล้อม

	Unit	Actual 2023	Target 2024	Target 2030	Target 2050
Greenhouse gas emission (Scope1,2)	MT on CO2	1.03	1.18	1.01	0
Greenhouse gas emission (Scope1,2)	KgCO2/Ton production	410	409	270	Not Applicable
Energy consumption	GJ/Ton production	5.4	5.5	5.5	Not Applicable
Waste generation	Kg/Ton production	20.5	18.8	18.8	Not Applicable
Waste to recycle	%by waste generation	98%	>90%	>90%	Not Applicable
Waste to landfill	Kg/Ton production	0	0	0	Not Applicable
Water withdrawal	m3/Ton production	1.03	0.89	0.79	Not Applicable
Dust emission	mg/m3	16.5 – 134	ไม่เกินค่าตามกฎหมายกำหนด	ไม่เกินค่าตามกฎหมายกำหนด	Not Applicable
NOx emission	ppm	1 - 144			Not Applicable
SOx emission	ppm	2 – 61			Not Applicable

SCG Decor Decarbonization Roadmap

Base Year 2020
Emission from operation
1.35 MtonCO2

- **1.11MT** from fossil fuel
- **0.21MT** from Electricity
- **0.03MT** from Calcination

Fuel from Biomass 15.9%
Electricity from solar 5.9%

2024 : Emission -12%

Fuel from Biomass 46%
Electricity from solar 15%

2030 : Emission -25.5%

Fuel from Biomass 100%
Electricity from renewable 50%
Zero calcination
Capture and offset for remaining

2050 - Net Zero GHG Emission

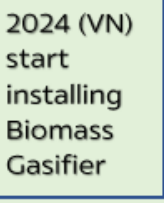



Past Activities

- 2021 Start Solar PV installation 
- 2022 Start Rental EV Folklife 
- 2022 (VN) Start changing fuel from coal to biomass in HAG 
- 2023 (TH) Start operating Biomass HAG 
- 2024 (TH) **Low carbon product** Start operating Non-Firing Tile (SPC) 

Yearly carbon offset activities

- Tree planting

Medium term Activities

- 2024 (VN) start installing Biomass Gasifier 
- 2025 (TH) Expand Biomass Gasifier 
- Study Bio-Lime material 
- Study New Low carbon products 

To achieve Zero coal

To achieve Zero fossil fuel



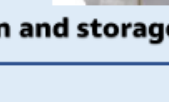
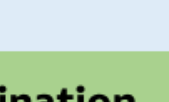
To achieve zero calcination

Products with Low carbon footprint

To Gain CO2 credit and offset excess CO2

Exploring Suitable Technology

Potential Technology on Study

- Green/Blue Hydrogen Kiln 
- Green Electrical Kiln 
- Electrical Battery 
- Heat Battery 
- **Carbon capture utilization and storage** 