Home Product Center Public Company Limited

Pathway to Net Zero 2050
Business Group Structure

Home Product Center

Mega Home

Market Village

DC Service Center
Global Measures

Committed in 2022
Verified by 2024

HOME PRODUCT CENTER PUBLIC COMPANY LIMITED ★
Thailand, Asia

Date published/updated
2022

Sector
Retailing
Scope of Carbon Footprint

**Scope 1**
- 235 tCO₂
- (0.15%)

- Diesel fuel / Natural gas (company & associates’ vehicles)
- Diesel fuel (Generator & Fire Pump)
- Chemical in Fire Extinguishers (CO₂)
- Methane gas from Septic tank
- R-407a/R-134a Refrigerant

**Scope 2**
- 96,389 tCO₂
- (60.55%)

- Electricity

**Scope 3**
- 62,574 tCO₂
- (39.31%)

- Diesel fuel (Third party truck)
- Tap water
- LPG gas (Associates Canteen)
- Waste
Pathway to Net Zero 2050

Target net zero emission within year 2050 (IEA NZE 2050)
Business as Usual Scenario (RCP8.5)
IEA NZE 2050 Key application

- All new buildings are zero-carbon-ready
- Most appliances and cooling systems sold are best in class
- 50% of heavy truck sales are electric
- No new ICE car sales
- 50% of existing buildings retrofitted to zero-carbon-ready Levels
- Phase-out of all unabated coal and oil power plants
- More than 85% of buildings are zero-carbon-ready
- Almost 70% of electricity generation globally from solar PV and wind
Pathway to Net Zero 2050

Decarbonization
- Renewable Energy
- Building Management
- Green transportation
- Waste Management
- Responsible Consumption

Carbon Removal
- No deforestation
- Reforestation or forest preservation
- Carbon removal technologies
Programs to reduce the emission under Scope 1&2

Decarbonization

- **Renewable Energy**
  - Solar rooftop and other renewable energy
  - Solar Energy Fuels

- **Building Management**
  - Green Building Design
  - Building Control Monitoring System (BCMS)
  - Replace AHU/CDU air conditioners with small FCU/CDU and install room divider

For more information and programs, please visit:
Programs to reduce the emission under Scope 3

Decarbonization

- Green transportation

  Electrical vehicles (EV) in the logistic

- Waste Management

  Reduce waste generated in operations

- Responsible Consumption

  BCG Model (Bio, Circular, Green Economy)
  Responsible Plastic Consumption
  Sustainable Packaging Management
Neutralize Residual Emission Beyond Our Value Chain

Carbon Removal

No deforestation, Reforestation or forest preservation

Carbon removal technologies