



CARBON EMISSION REDUCTION PLAN TO 2050 VAS GROUP NGHI SON JOINT STOCK COMPANY

DIRECT EMISSIONS



Direct emissions from fixed/portable combustion fuels

Present (2025)

2025 - 2040

2040 - 2050

Using fossil energy sources: Oil, gasoline, coal

Gradually replacing with green energy: Using electric energy for moving vehicles (instead of gasoline and oil)

Completely replace with green energy

DIRECT EMISSIONS



Direct emissions from furnace operation

Present (2025)

2025 - 2040

2040 - 2050

Production process optimization: Tight control of operating parameters, minimizing heat and energy losses

Use of renewable energy such as wind/solar energy in the production process

Minimizing greenhouse gas emissions

INDIRECT EMISSIONS



Indirect emissions from electricity consumption

Present (2025)

Application of regulations to avoid waste of electricity use Research on technological improvement, reduction of electricity consumption

2025 - 2040

Use renewable energy such as wind/solar energy for the supply of electricity according to the needs/purposes of the factory 2040 - 2050

Minimize power consumption, all factories/parts use renewable electricity

DIRECT EMISSIONS



Absorbing CO2 from trees and applying CO2 emission credits

Present (2025)

2025 - 2040

2040 - 2050

Continue and maintain the green campus at the factory

Increase the area of land for planting trees and diversify the types of trees suitable for the regional weather

Participating in the Carbon market according to actual implementation in Vietnam Achieve the target of CO2 absorption equivalent to the amount of CO2 generated after applying emission reduction methods

OTHER METHODS



Improve energy efficiency

- Applying EMS energy management system
- Waste heat recovery and reuse
- Production Process Optimization

Reduce emissions during transportation

- Optimizing Logictics
- Use environmentally friendly means of transportation

Greenhouse Gas Inventory

Raising awareness and training for officials, workers and employees

Participate in cooperation, sharing and learning from the experiences of other units



