



September, 2025

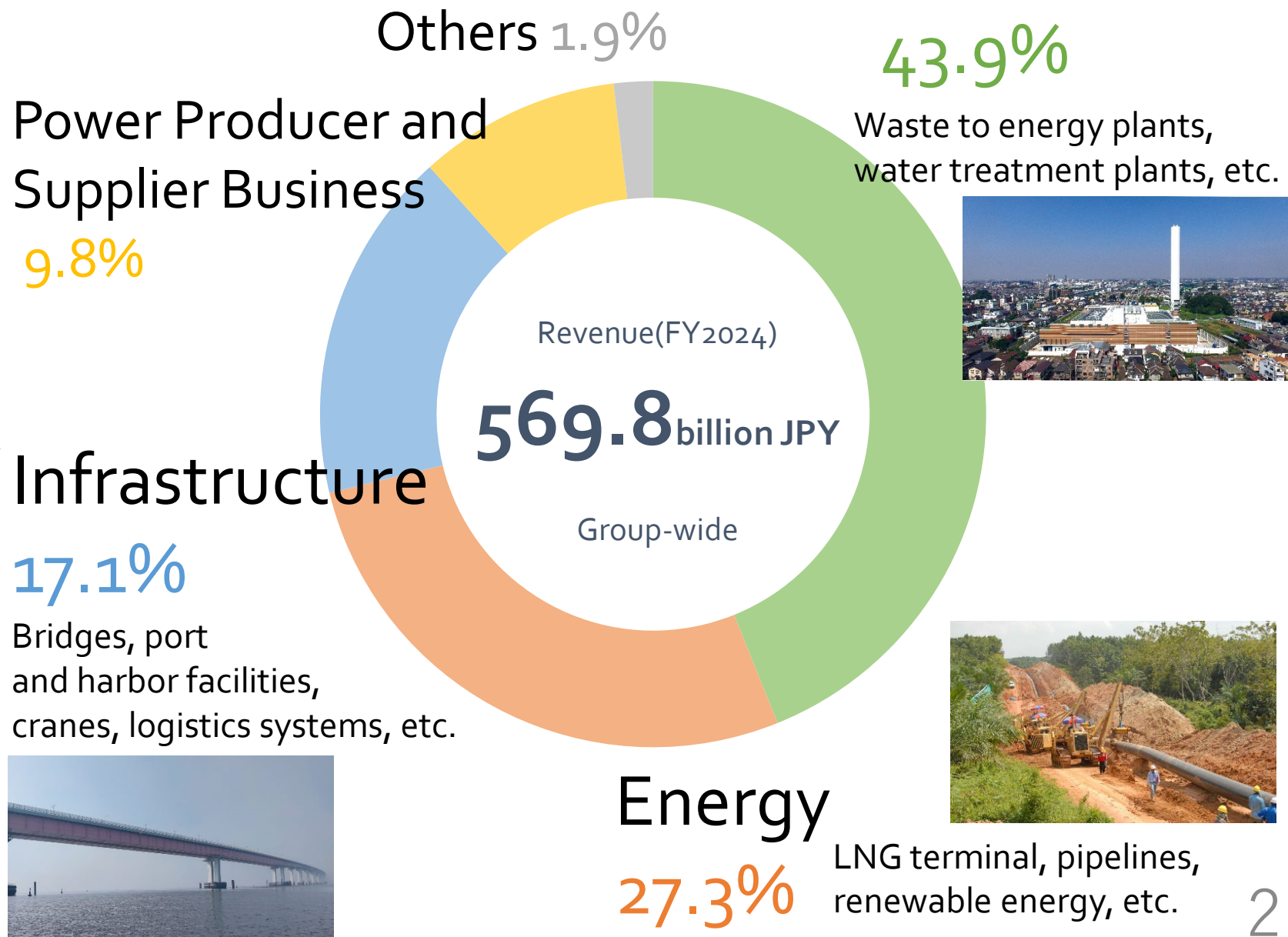
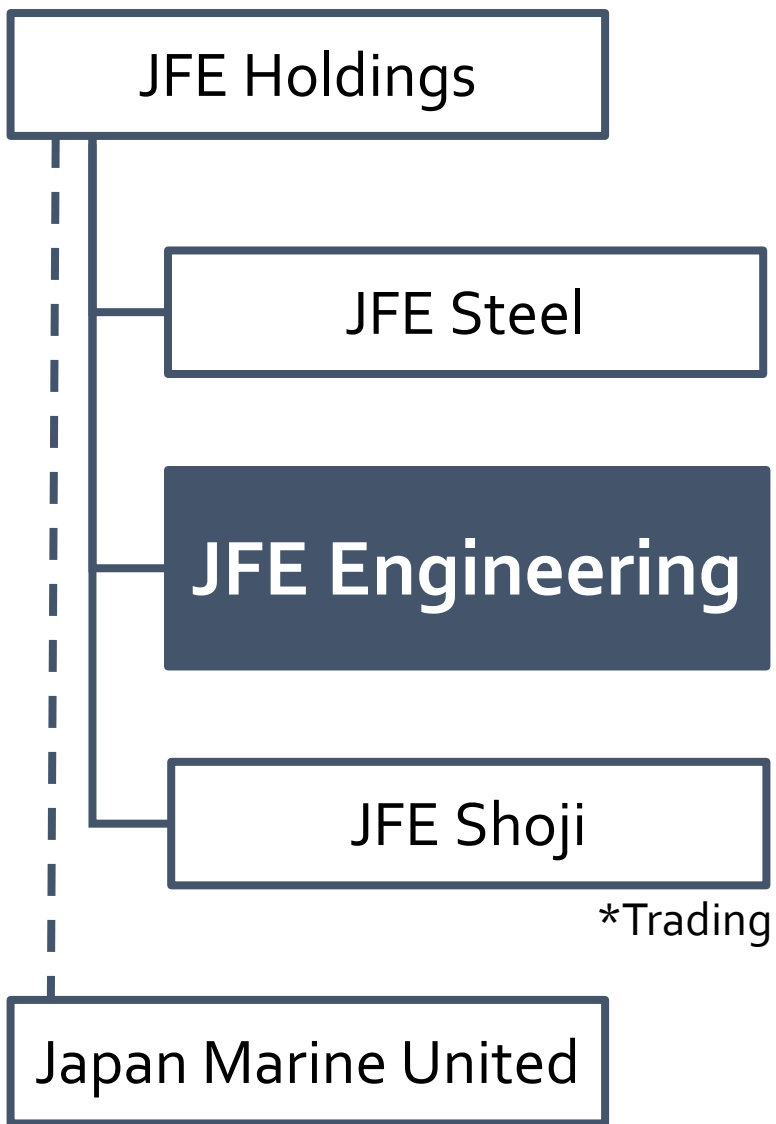
Supply Chain GHG Reduction through Circular Resource Management



JFE Engineering Corporation

JFE Business at a Glance - Leading Environmental Solutions Provider

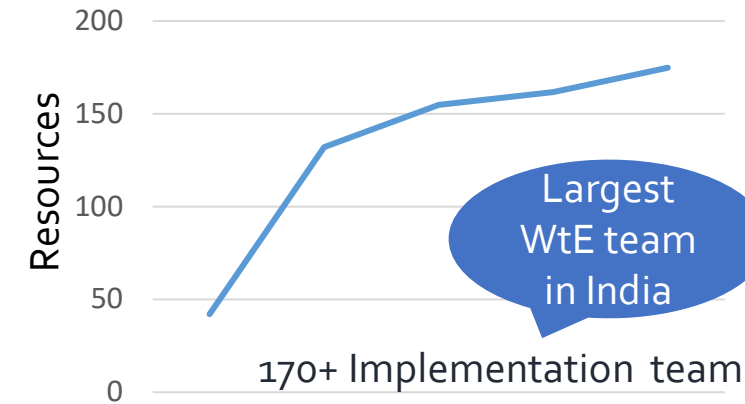
Environment



JFE Engineering India Private Limited



- ✓ Establishment 18th January 2011
- ✓ Technology + EPC Single Point Accountability
- ✓ Offering technology licensed from Japan and Europe with indigenous sourcing



Globally Reputed Technology

We offer globally proven and reputed technology for **WtE, WHR & Biomass** under a license agreement with its Parent **JFE Engineering, Japan** and group company **Standardkessel Baumgarte, Germany (SBG)**



Single Point Responsibility

We offer one stop solution for **'Technology' + 'Manufacturing' + 'Construction' + 'O&M'** for our clients



Standardized / Customized Solution

we offer standardized/customized solutions as per the **techno-commercial requirements of the project**



Project management

Employ **proven** set of practices, methodologies and skills to successfully plan, control and execute projects to **achieve** stakeholder expectations efficiently within given time constraints and with optimum resources.



In House Strength

Our in-house strength in terms of resources and engineering tools from Design to O&M phase, minimizes our dependence on foreign 3rd parties for technology know-how and offers quick response to augment project execution



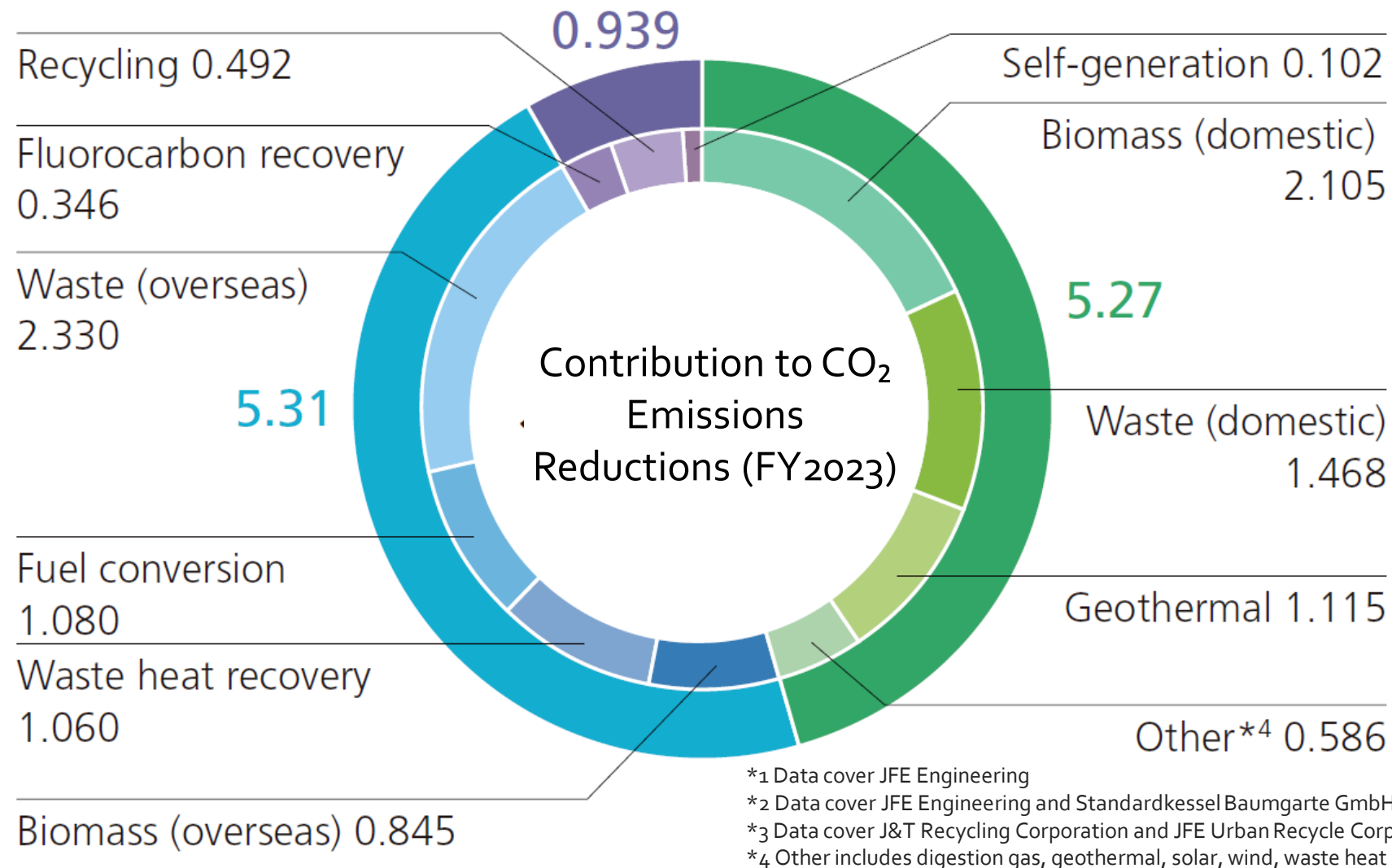
Cost, Quality Balance

We offer an optimal balance of cost and quality by complementing our global experience (Japan, Europe, S.E. Asia) with competitive sourcing, that is designed as per project requirements

Initiatives to Reduce CO₂ Emissions through Business Operations

11.53 million t-CO₂

Domestic plants*¹ Overseas plants*² Recycling*³



Power generation by waste heat recovery in the PT Semen Indonesia (Persero) Tbk factory in Tuban - JCM Registered Project ID013

JCM: Potential Future Funding Source

- **Just in**: India-Japan JCM agreement officially sealed!
 - The highly awaited cooperation framework now in effect
- **JFE Engineering**: Only company with JCM experience in WtE
- Ready to lead JCM subsidy application for Indian WtE

Yangon WtE



Bac Ninh (VN) WtE





Waste to Energy project in Bac Ninh Province

[Capacity] 500 ton/day (MSW+ISW), 11.6 MW

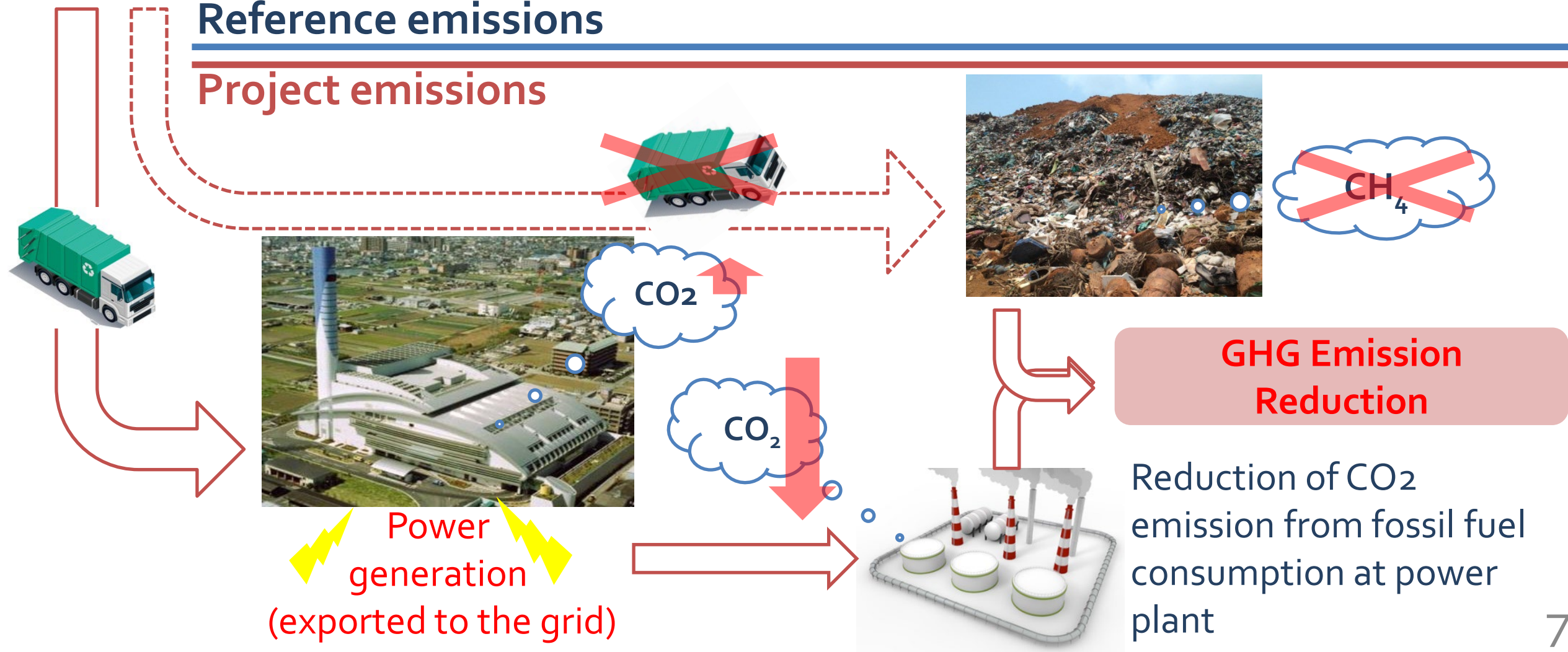
[Expected GHG Emission Reductions] 41,805 tCO₂/year (average)





Reference emissions

Project emissions

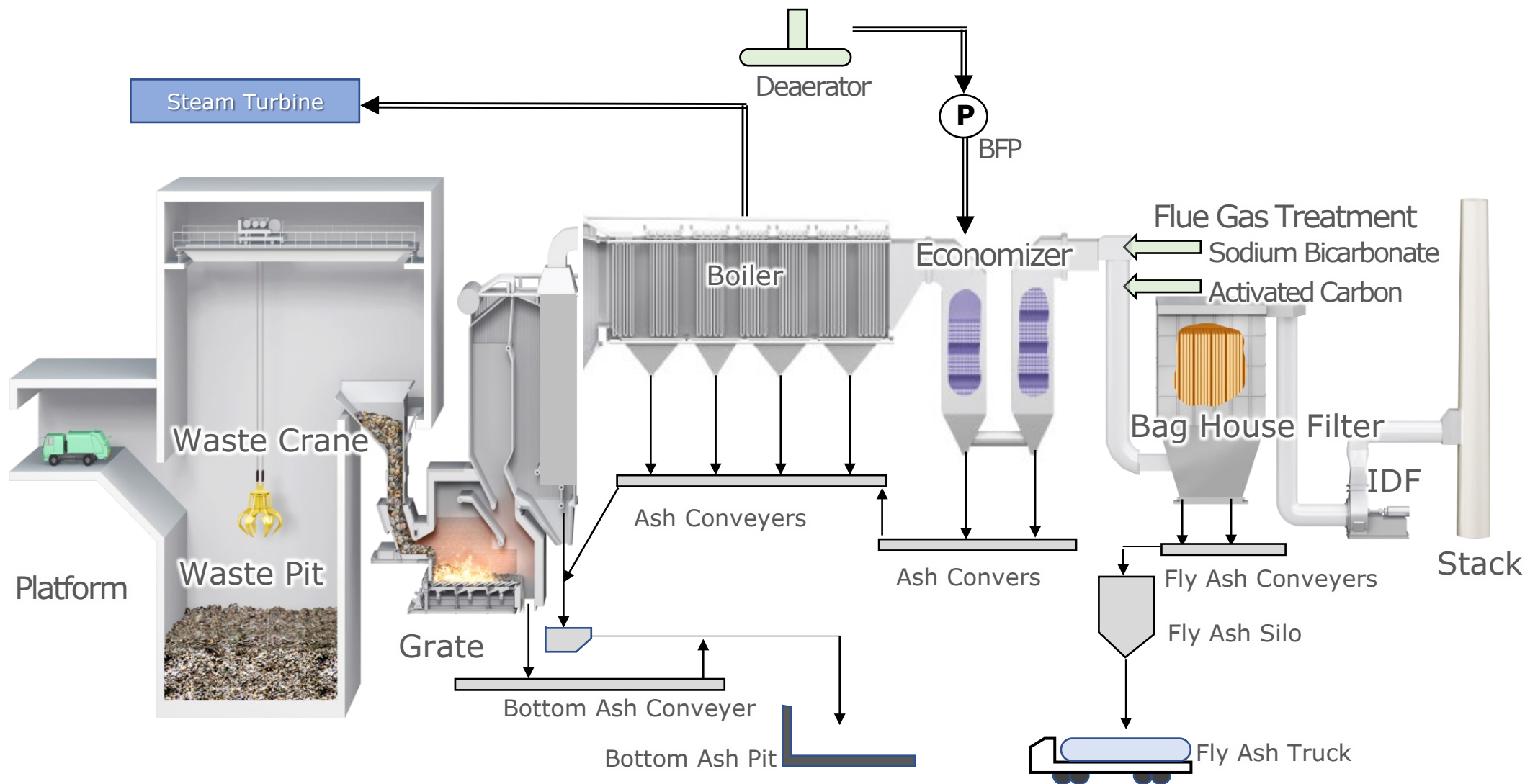


Advanced WtE Technology - JFE's Grate Firing Incinerator

hygienic living environment

Highly efficient clean electricity

Safety and stable operation



Next Generation: CCU-Ready WtE

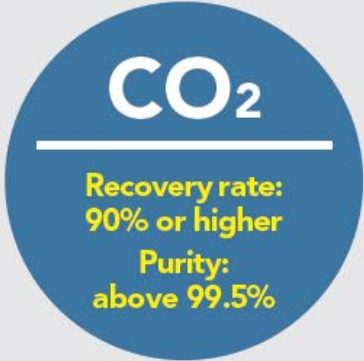
The entire process from collecting CO₂ to producing methanol



WtE plant
(Clean Plaza Fujimi)



CO₂ capture and
recovery test facility



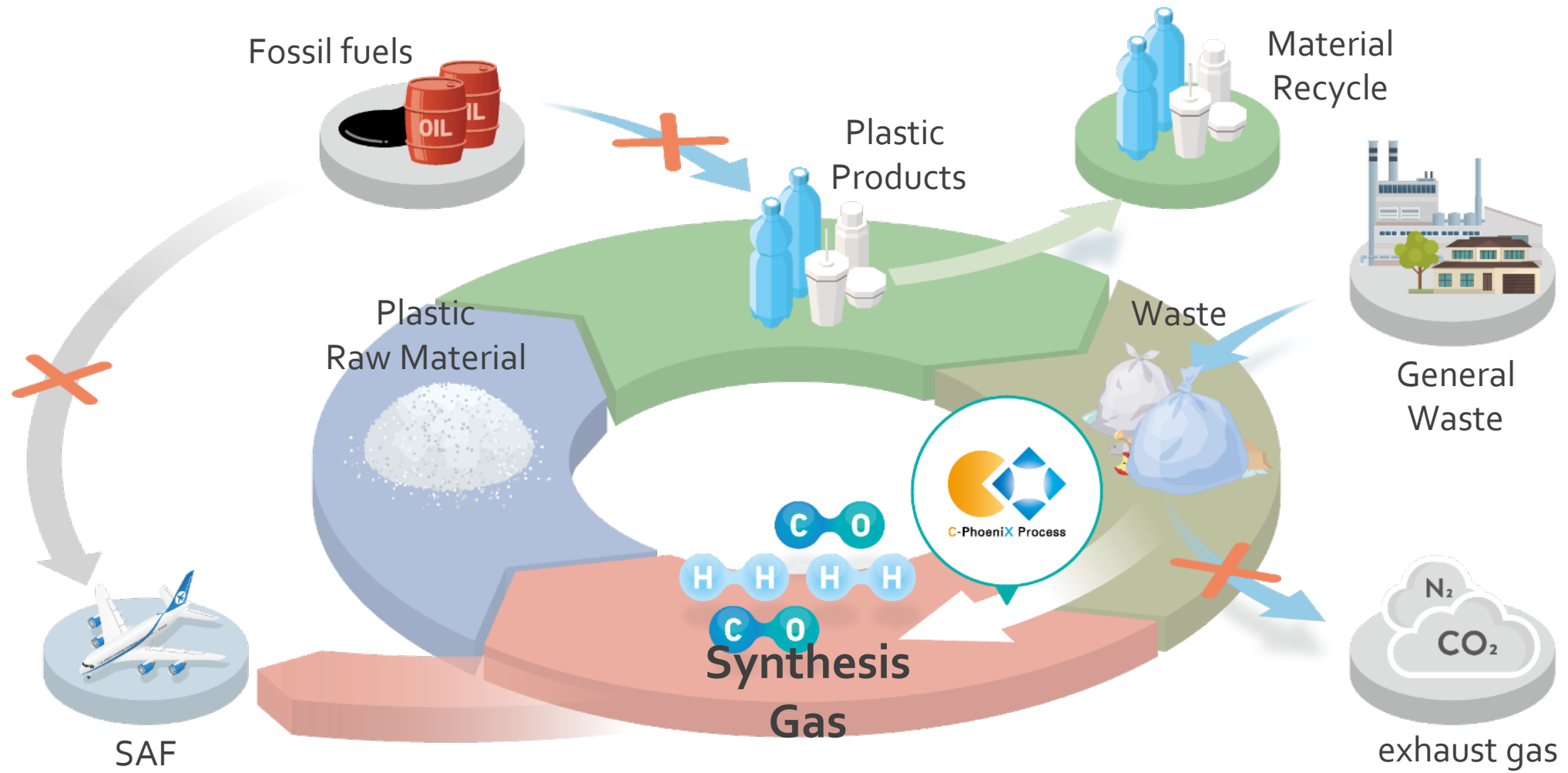
Methanol produced
from CO₂ in the waste

Major usage of methanol (end products)

- Shampoo plastic bottles
- Detergent plastic bottles
- Compact disc cases
- Polyethylene tanks



Future Innovation: Waste to Chemical





Create, Care, Connect The Foundations of Life Just For the Earth



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