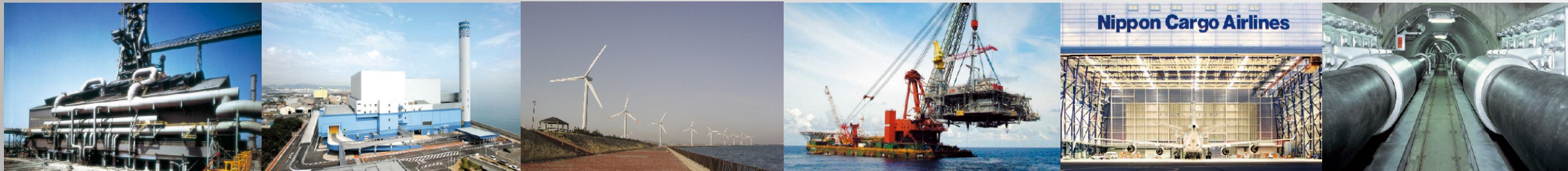




**NIPPON STEEL
ENGINEERING**

Nippon Steel Engineering and Waste to Energy Business



Yuriko Endo

Marketing and Sales Section

Overseas Business Development Department

Email: endo.h.yuriko.mb7@eng.nipponsteel.com

Tel: +81 (80) 8956 3980

1. Nippon Steel Group Corporate Profile



NIPPON STEEL

Company Nippon Steel Corporation

Year Established 1970
(orig. 1950 as state-owned steel works)

Main Office Tokyo, Japan

Revenue JP¥4,829 bil (appx. US\$42 bil)

Employees 106,226

Business

- 1) Steelmaking and Steel Fabrication
- 2) Engineering and Construction
- 3) Chemicals and Materials
- 4) System Solutions

Steelmaking and Steel Fabrication

3rd Biggest Crude Steel Production Company in the World and the Biggest Crude Steel Production Company in Japan

Chemicals and Materials

System Solutions

Engineering and Construction

Company Nippon Steel Engineering Co., Ltd.

Year Established 2006 (spun-off from Nippon Steel Corporation as its 100% subsidiary)

Main Office Tokyo, Japan (Main office); 20 overseas bases including Ho Chi Minh Rep. Office

Revenue JP¥324 bil (appx. US\$2.9 bil)

Employees 6,057

Business



**NIPPON STEEL
ENGINEERING**

Steel Plants

- Ironmaking
- Steelmaking
- Casting
- Rolling
- Processing



Environmental & Energy Solutions

- Waste to Energy Plants
- Biomass Power Generation
- Geothermal Steam Production
- Soil Remediation



Building & Infrastructure

- Building Construction
- High-tech Steel Structures
- Response Control & Seismic Isolation Devices



Marine Eng. & Construction

- Oil & Gas Exploration Facilities
- Marine Engineering and Construction



Pipelines

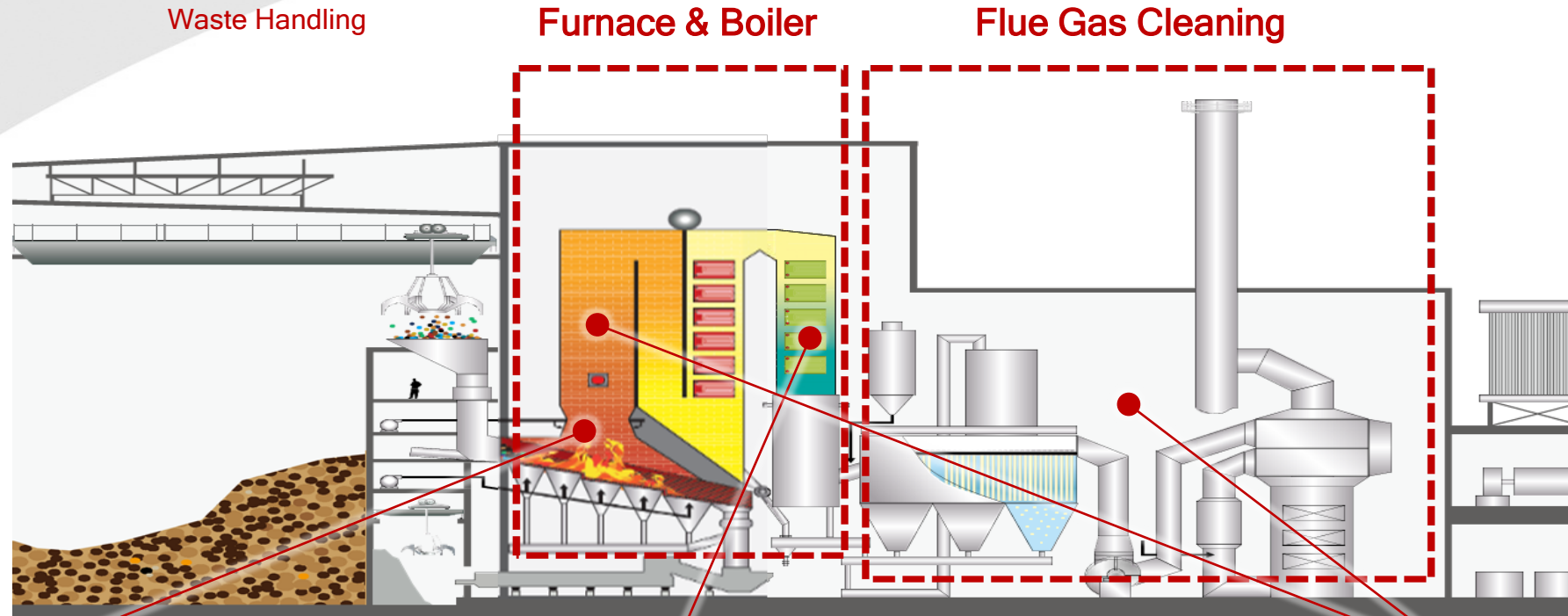
- On-shore Pipelines
- Water Works
- Energy Plants



All figures are consolidated as of 31 March 2021

2. Features of Nippon Steel Engineering's WTE technology

State-of-the-Art Waste to Energy Technology



A

Flexible Furnace Design
1,300 to 5,000 kcal/kg

B

High Efficiency of Electricity Generation
Highest up to 30%

C

Maximum Removal of Toxins in Flue Gas
Compliance with EU, US, JP emissions regulations

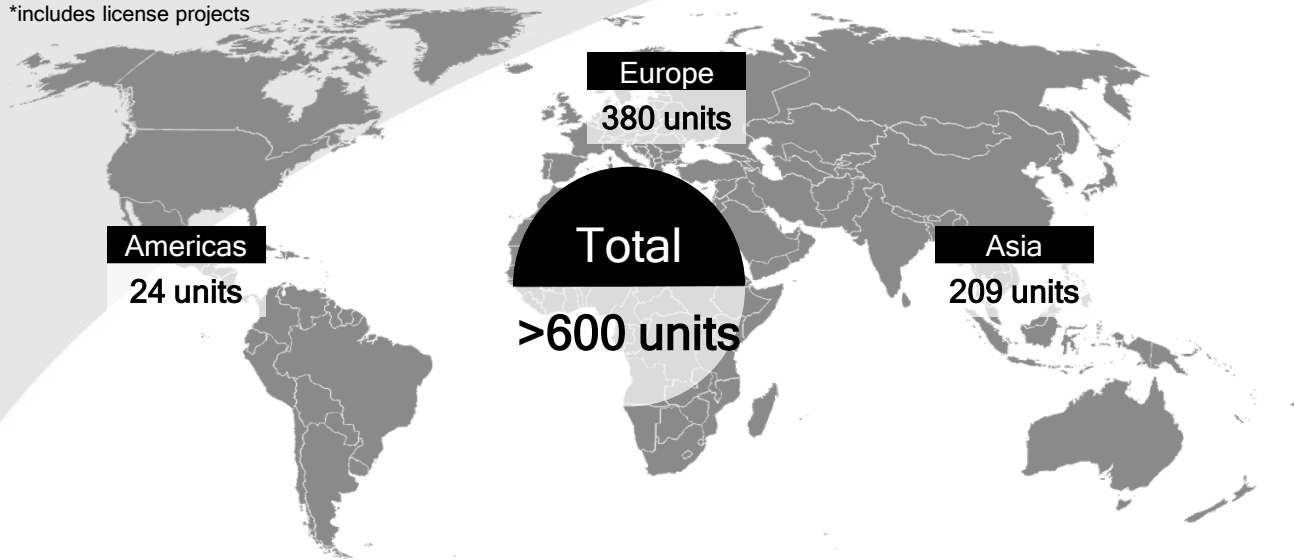
D

Maximization of Operation Time
Guarantee 8,000 hours/year

3. Nippon Steel Engineering's WTE Project References

More than 600 references worldwide using NSE's WTE technology - over 30 countries in 60 years

*includes license projects



Feasibility Study Projects for WTE in South East Asia

| Country | Year | Project Site | Project Sponsor |
|-------------|------------------|---|--|
| Viet Nam | 2015, 2017 | Hai Phong City, Dinh Vu Industrial District | Ministry of Environment, Japan |
| Philippines | 2014 | Laguna Techno Park | Ministry of Environment, Japan |
| | 2015 | Davao City | Japan International Cooperation Agency |
| Malaysia | 2015, 2020- 2022 | Iskandar Malaysia | Ministry of Environment, Japan |
| Thailand | 2015 | Samut Prakan Province | Ministry of Environment, Japan |
| | 2015 | Rayong Province | Ministry of Environment, Japan |
| | 2017 | Chiangmai Municipality | Ministry of Environment, Japan |



Large treatment capacity

| Project | Germany, Berlin |
|-----------------|-----------------------|
| Start-up | 2012 |
| Waste | Municipal Solid Waste |
| Capacity | 960 tons/day x 1 line |
| Calorific Value | 1,936 kcal/kg |



High energy efficiency

| Project | Italy, Naples |
|----------|------------------------|
| Start-up | 2009 |
| Waste | Refuse Derived Fuel |
| Capacity | 648 tons/day x 3 lines |
| Scope | EPC Turnkey |



Capability to treat low-calorie waste

| Project | China, Hefei |
|-----------------|-----------------------|
| Start-up | 2013 |
| Waste | Municipal Solid Waste |
| Calorific Value | 1,540 kcal/kg |
| Capacity | 440 tons/day x 1 line |