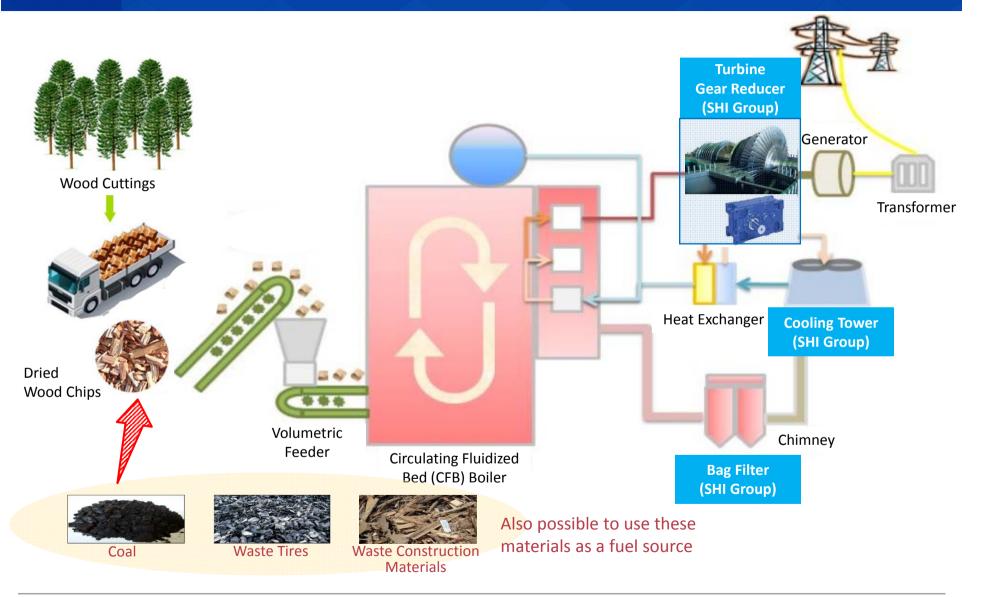
Acquisition of Circulating Fluidized Bed Boiler Business

March 2, 2017

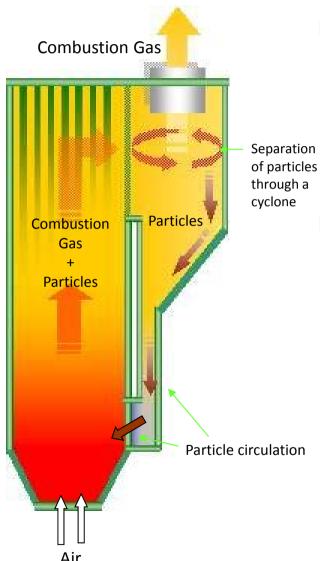


Shinji Nishimura Senior Executive Vice President and Representative Director

Flow Diagram of Power Generation Utilizing the CFB Boiler



Features of the CFB Boiler



■ Combustion Mechanism

Air is injected into the bottom of the boiler chamber and the heated particles and fuel are mixed in a suspended manner. Through this, various fuels are burned efficiently. The combustion particles and gas that rise together are separated using a cyclone, and returned to the bottom of the boiler, further improving the combustion efficiency.

■ Features

1. Compatible with various fuel sources

⇒ Compatible with more difficult fuel sources such as biomass, low-grade coal, construction waste, waste tires, waste plastic, coal refuse, and paper sludge.

2. No need for the fuel source to be ground finely

⇒ Wires and other materials inside waste tires can be removed smoothly (no need for prior separation).

Controls the generation of NOx

⇒ Due to the high combustion efficiency, temperatures are comparatively lower than other methods, controlling the amount of NOx emissions that are generated.

Profile of AFW and GPG

1. Amec Foster Wheeler (AFW)

1) Head Office: London (U.K.)

2) Established: 1848

No. of Employees: Approximately 40,000

(as at 12/2015)

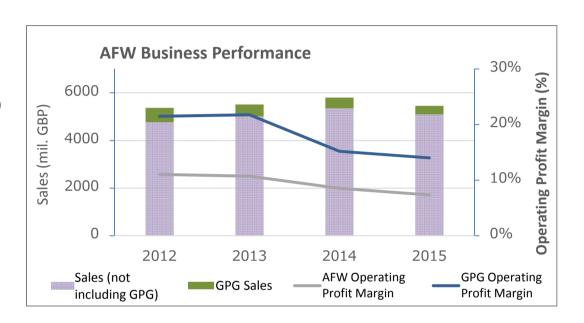
Sales: GBP5,445 million (as at 12/2015)

(approximately JPY650 billion)

5) Main Business Activities: Engineering

Oil & Gas (54%), Clean Energy (28%), Environmental (11%),

Mining (7%)

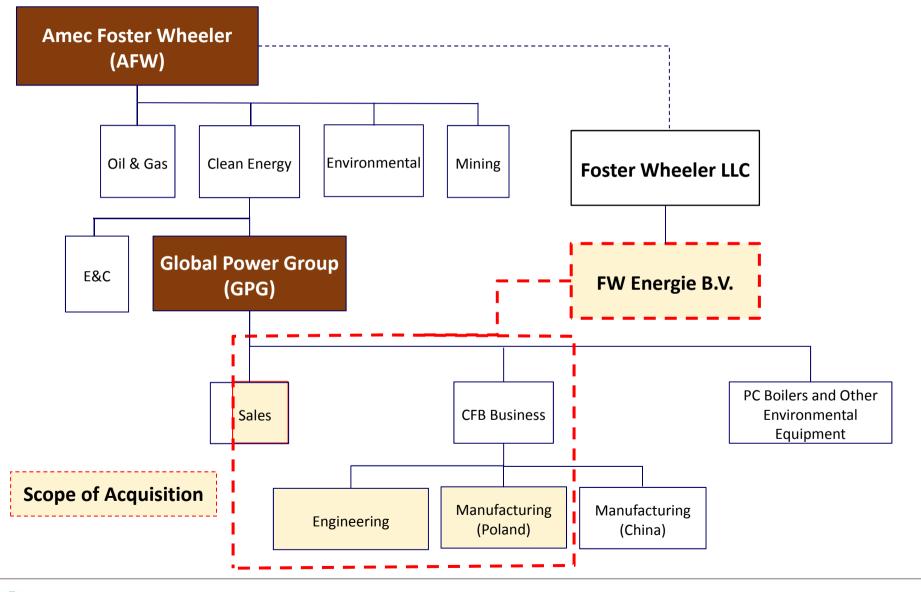


2. Global Power Group (GPG)

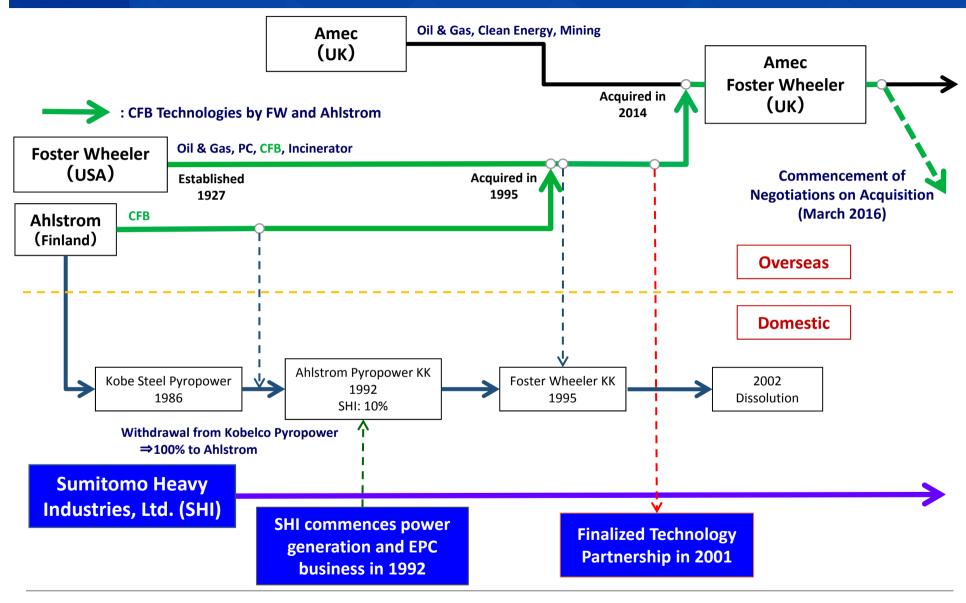
- 1) Head Office: Clinton, NJ (U.S.A.) Finland is the design head office
- Established: FW (the original company) was established in 1884.
- 3) No. of Employees: Approximately 2,300 (as at 12/2015)
- Sales: USD553.7 million (approximately JPY56 billion) (as at 12/2015)
- **Main Business Activities:**

Boiler (CFB, PC, HRSG), Exhaust Gas Equipment, Operation of Power Generation Plants Number one in the world in terms of deliveries of CFB units

Scope of Acquisition (Business Diagram)



Timeline Leading to the Acquisition

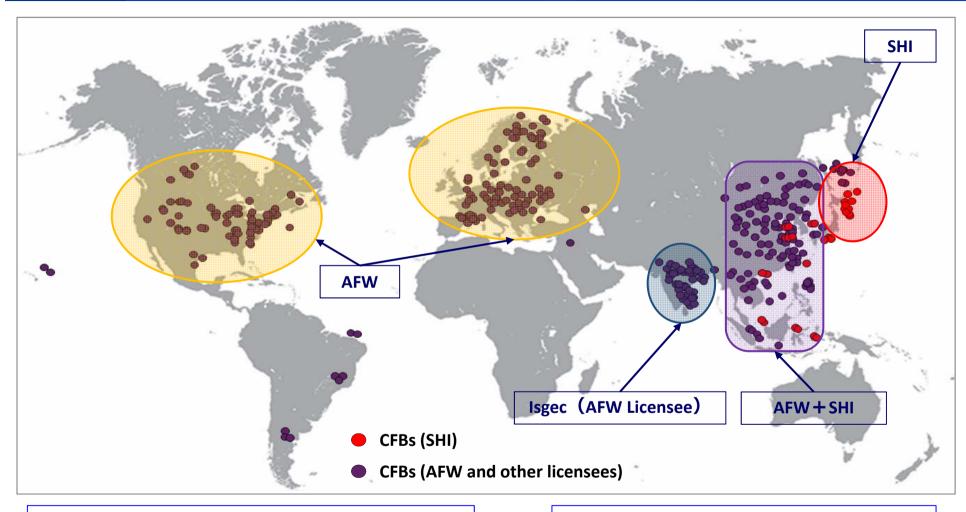


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The Purposes of This Acquisition

- 1. Promote growth in the energy business of SHI Group
- 2. Develop CFB boiler business throughout the world
- 3. Secure the technology and brand of CFB boiler after expiration of the current license agreement (to be expired in December 2021)
- 4. Obstruct M&A by competitors

Competitive Advantage (Product Delivery Areas)



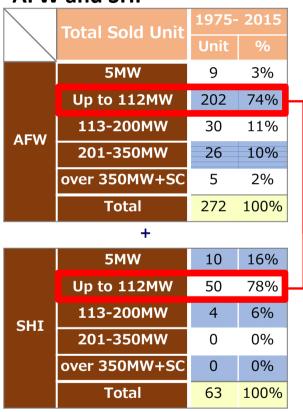
SHI: Exclusively in Japan / Asia (excluding China and India) AFW: Global development of business including Asia

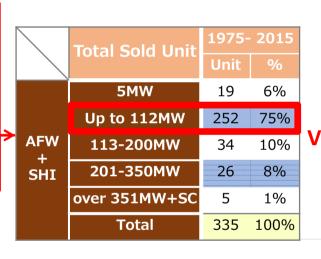


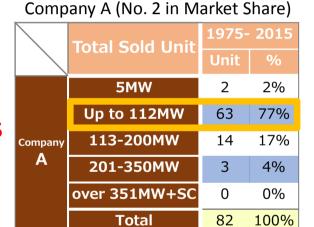
Mutually complement target delivery areas / **Ensure dominance over other competitors**

Competitive Advantage (Generation Capacity)

AFW and SHI







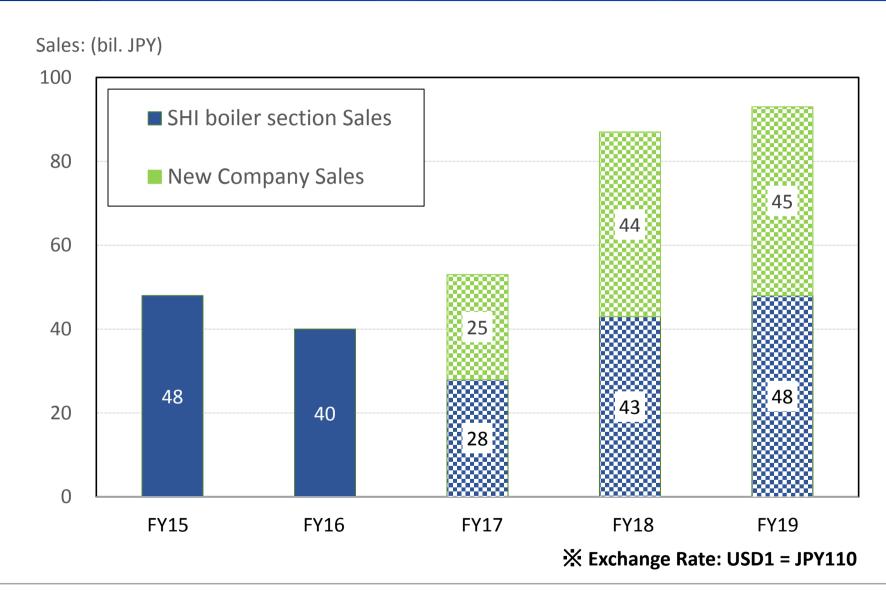
SHI: Small scale generation capacity

AFW: Medium-to-large scale generation capacity



Mutually complement generation capacity / **Ensure dominance over other competitors**

Future Sales Projections



Schedule

2017

March 2 – Signing of Stock Purchase Agreement March to June – PMI (Preparation for integration) July to September – Closing (scheduled)



http://www.shi.co.jp/

All forward-looking statements regarding the company's future performance are based on information currently available to Sumitomo Heavy Industries and determined subjectively. Future performance is not guaranteed and all information related to future performance contained herein is subject to changes in business environments.