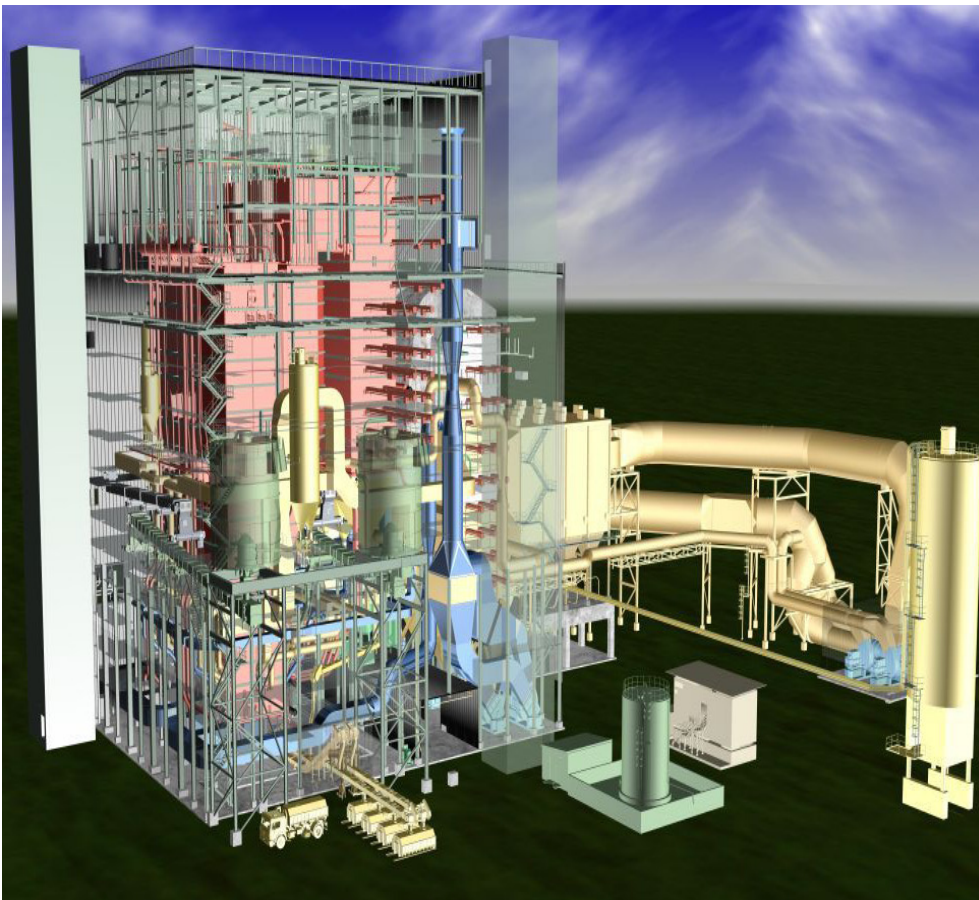


Polaniec Power Station - CFB

World's Largest 100% Biomass Boiler



SHOWCASING THE FLEXIBILITY OF CFB TECHNOLOGY

We are continuing to display our leadership in the Circulating Fluidized Bed market with the award from GDF Suez Energia of a CFB boiler island for the Polaniec Power Station in Poland. Our Power Group will be responsible for the design, supply, and erection for the 190 MWe (gross) 100% biomass-fired CFB.

The project will be executed jointly by our subsidiaries in Finland and Poland to design and supply the steam generator, auxiliary equipment, biomass yard and will carry out civil works, erection and commissioning of the boiler island.

STATE-OF-THE-ART POWER TECHNOLOGY

This project further demonstrates the capability of Foster Wheeler's state-of-the-art 'Advanced Bio CFB' concept that allows the co-firing of high alkaline agro biomasses with wood-based biomass in utility-size power production.

Once Operational (expected 4Q, 2012) this will be the world's largest biomass boiler burning wood residues and up to 20% agro biomass.

POLANIEC PROJECT SUMMARY

Plant Location:	Polaniec, Poland
Customer:	GDF Suez Energia Polska
FW Full Release:	April 7, 2010
Plant Start-Up:	Fourth Quarter, 2012

Plant Electrical Output (Gross/Net)	190/175MWe
Net Plant Efficiency (LHV/HHV)	36.5/31.4%
Steam Flow (SH/RH)	158/135 kg/s 1251/1071 kpph
Steam Pressure (SH/RH)	126/19 bar g 1828/276 psig
Steam Temperature (SH/RH)	535/535 °C 995/995 °F
Feedwater Temperature	242 °C 468 °F
Fuel	Wood Residues, Agro Biomass



We offer a full range of steam generator equipment, aftermarket products and services to the power, industrial, and waste-to-energy sectors. Our global manufacturing and engineering network can deliver cutting-edge products and expertise, quickly and cost competitively with best-in-class quality. Established in 1891, our experience comes from over a century of designing, servicing, and continually improving steam generating equipment.

Steam Generators

- Circulating Fluid Bed
- Pulverized Coal
- Oil & Gas
- Supercritical Steam
- Solar Power
- Package
- Grate & MSW
- Metallurgical Waste Heat
- Heat Recovery Steam Generators

Auxiliary Equipment

- Feedwater Heaters
- Condensers
- Biomass Gasifiers

Steam Generator Services

- SCR and SNCR Systems
- Low NO_x Combustion Systems
- Replacement/Upgraded Parts
- Construction Services
- Modernizations

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