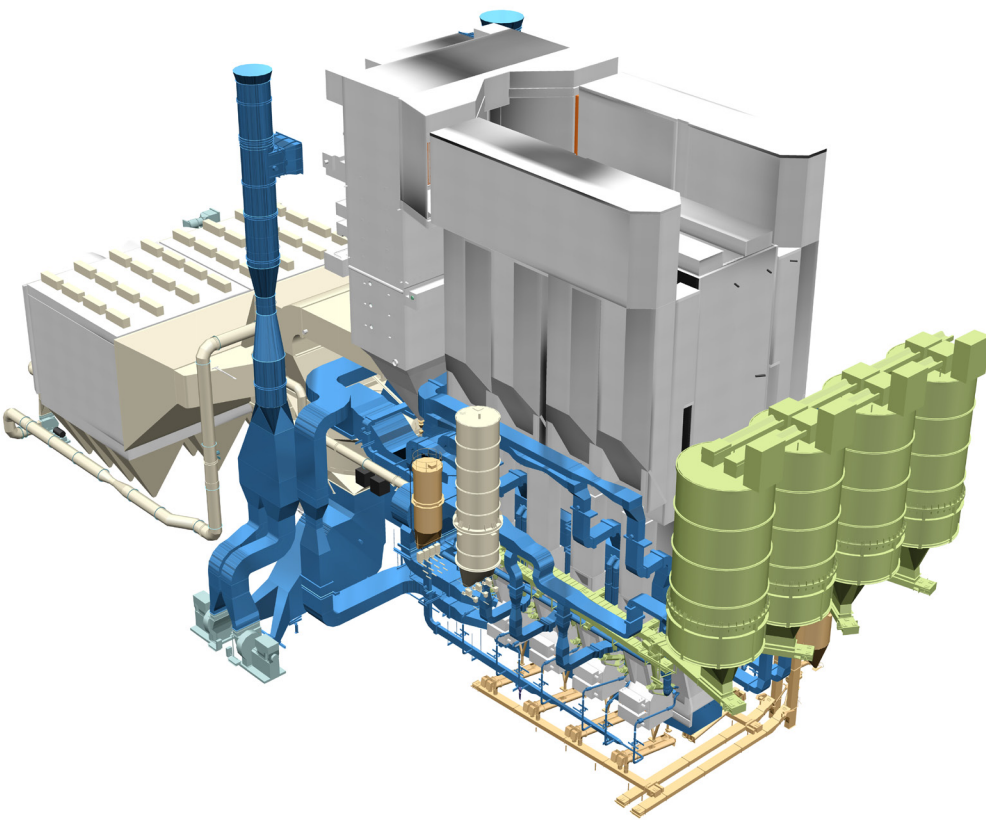


Utility CFBs

A New Generation of Technology



THE WORLD'S MOST ADVANCED CFB POWER PLANT

The Lagisza project in Poland is an important step in advancing utility power generation. At the heart of the plant is the world's most advanced Circulating Fluid Bed (CFB) steam generator, representing a culmination of over 30 years of technology development by Foster Wheeler.

It is the first CFB power plant in the world to incorporate highly-efficient, vertical-tube, supercritical steam technology and is large enough to produce electricity at the very economical utility scale.

This CFB also features many other advanced design features like, compact solid separators, INTREX™ super heaters, and low-temperature flu-gas heat recovery, further improving reliability, operational flexibility and overall power generation efficiency and economics.

ŁAGISZA PROJECT SUMMARY

Plant Location:..... Będzin, Poland
 Customer:..... PKE
 FW Full Release: ... December 2005
 Plant Start-Up:..... 2008

Plant Electrical Output (Gross/Net)	460/439 MWe	Furnace	
Net Plant Efficiency (LHV/HHV)	43.3/41.6%	Width	27.6 m 90.5 ft.
Net Plant Heat Rate (LHV/HHV)	8320 kJ/kWh 8208 Btu/kWh	Depth	10.6 m 34.8 ft.
Steam Flow (SH/RH)	361/308 kg/s 2856/2436 kpph	Height	48.0 m 157.0 ft.
Steam Pressure (SH/RH)	282/51 bar 4090/734 psig	Fuel	• Polish Bituminous Coal
Steam Temperature (SH/RH)	563/582 °C 1046/1080 °F		• Coal Slurry
Feedwater Temperature	290 °C 554 °F		



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
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- Feedwater Heaters
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- SCR and SNCR Systems
- Low NOx Combustion Systems
- Replacement/Upgraded Parts
- Construction Services
- Moderizations, Condition Assessments
- Biomass Conversions

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