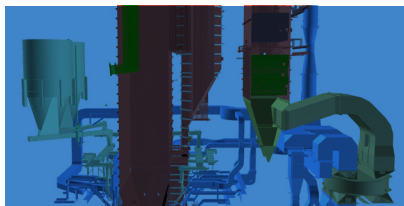
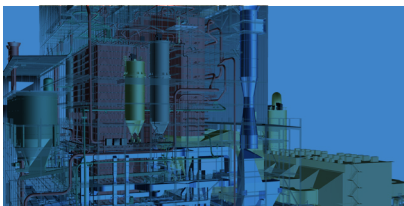


# Novocherkasskaya Power

Supercritical utility CFBs—A new generation of efficient technology



### Project summary

Location: Novocherkassk, Russia  
 Customer: PJSC Energo Mashinostroitelny Alliance (EM Alliance)  
 Duration: 2008-2016  
 Scope: Design and supply of CFB boiler

### CFB technology enters Russia

The Sixth Wholesale Power Market Generating Company (WGC-6) has taken the bold step of being the first to order a Circulating Fluidized Bed (CFB) power plant in Russia. The plant will be built at WGC-6's Novocherkasskaya GRES generating facility located in Novocherkassk, within the Rostov region of Russia.

### State-of-the-art power technology

The Novocherkasskaya plant utilizes the world's most advanced CFB steam generator technology, representing a culmination of over 30 years of CFB technology development by Sumitomo SHI FW.

Plant Electrical Output (Gross/Net)	330/312 MWe	
Net Plant Efficiency (LHV/HHV)	41.5/39.9%	
Net Plant Heat Rate (LHV/HHV)	8681 kJ/kWh	8553 Btu/kWh
Steam Flow (SH/RH)	1001/817 tph	2202/1798 kpph
Steam Pressure (SH/RH)	247/37 barg	3582/536 psig
Steam Temperature (SH/RH)	565/565 °C	1049/1049 °F
Feedwater Temperature	280 °C	536 °F
Fuel	Anthracite coal, bituminous coal	

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We are the premier global supplier of innovative circulating fluidized bed (CFB) technologies, providing sustainable value to our customers through our relentless drive for environmentally sound and reliable power solutions while we grow.