

# Turow Power Station

World's largest CFB repowering project driven by environmental clean-up goals



### Project summary

Location: Bogatynia, Poland  
 Customer: BOT Elektrownia Turow S.A.  
 Duration: 1994-2004  
 Scope: Turnkey contract for 6 CFB boilers

Turow Power Station has been reliably producing power with our CFBs since 1998. The 3 x 235 and 3 x 262 MWe (net) power plant utilizes Sumitomo SHI FW's circulating fluidized-bed technology that can accommodate low quality Polish brown coal to cost-efficiently generate power.

- ▶ Six CFBs (3 x 235 MWe plus 3 x 262 MWe) replaced six 200 MWe pulverized coal fired boilers
- ▶ Site capacity increased by 300 MWe with no additional fuel consumption while reducing overall plant emissions

Plant Electrical Output (Net)	3 x 235 MWe		3 x 262 MWe	
Steam Flow (SH/RH)	669/596 tph	1471/1310 kpph	704/651 tph	1550/1433 kpph
Steam Pressure (SH/RH)	132/25 barg	1910/355 psig	196/181 barg	2460/571 psig
Steam Temperature (SH/RH)	540/540°C	1004/1004°F	568/568°C	1054/1054°F
Fuel	Polish brown coal and lignite			

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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.