

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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Our vision is to provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. Our capabilities cover customer needs in the fields of power generation utilizing circulating fluidized bed (CFB) technologies, long term energy storage, and related network services. We continuously broaden our portfolio of products and services by advancing our in-house technologies and developing further alliances with new partners.

Our Values

Respect for people.

Valuing and inviting differing views and ideas

Committed to customers.

Exceeding expectations and providing value

Safety, integrity and teamwork.

Incorporating ethics in everything we do

Ownership of results.

Personally ensuring that success is achieved

Passion to innovate and grow.

Setting challenging goals for growth



Sumitomo
SHI **FW**