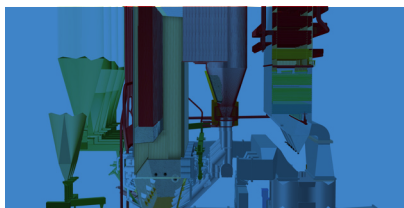
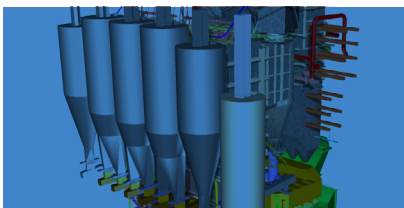


Sandow Unit 5

Affordable clean power from Texas lignite



Project summary

Location: Rockdale, TX, USA
 Customer: Bechtel & TXU
 Duration: 2006-2009
 Scope: Design and supply of two CFB boilers

Luminant's Sandow Unit 5 is a 630 MWe (gross) power plant located in Rockdale, Texas. The plant features two Sumitomo SHI FW circulating fluidized bed boilers which convert high-ash, Texas lignite into valuable power for local homes and industrial facilities.

- ▶ Large scale, clean reliable and affordable power
- ▶ Two boilers supply single turbine generator
- ▶ Includes CFB polishing scrubbers
- ▶ On-site limestone sizing mills

Plant Electrical Output (Gross/Net)	2 x 315/2 x 283 MWe	
Steam Flow (SH/RH)	943/860 tph	2076/1896 kpph
Steam Pressure (SH/RH)	175/46 bar g	2545/669 psig
Steam Temperature (SH/RH)	542/539°C	1007/1002°F
Feedwater Temperature	260°C	500°F
Fuel	Texas 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**