

Devnya Power Plant

Reliably producing economical power from petroleum coke



Project summary

Location: Devnya, Bulgaria
 Customer: Deven JS Co.
 Duration: 2006-2010
 Scope: EPC of CFB boiler island

- ▶ Sumitomo SHI FW CFBs replaced two Russian PC boilers at Deven's soda ash plant in Devnya, Bulgaria
- ▶ Efficient steam generation with high availability for one of the biggest soda ash plants in the world
- ▶ Our CFBs are designed to burn up to 80% petroleum coke (7.5% sulfur) with Russian semi anthracite coal
- ▶ CFB technology allows use of local limestone for SOx reduction

Plant Electrical Output (Gross)	1 x 100 MWe	
Steam Flow	399 tph	880 kpph
Steam Pressure	100 barg	1450 psig
Steam Temperature	540°C	1004°F
Fuel	Petroleum coke/anthracite coal	

Customer Value Points

- ▶ Local limestone use
- ▶ Resolves high carbon ash problem
- ▶ No FGD or SCR needed

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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**