Soma Kolin Power Plant

Soma Kolin Power Plant is the largest CFB project ever awarded in Turkey. The 510 MWe power plant is set to begin operation in 2018 and is designed to burn local lignite, which provides significant economic benefits compared to imported coal. The plant will feature two Sumitomo SHI FW circulating fluidized bed boilers and two flue gas scrubbers.

- Large scale, clean, reliable and affordable power
- Includes CFB flue gas scrubbers
- Designed to fire 100% local Lignite at 1600 kcal/kg with 43% ash and 23% moisture

Project summary
Location: Soma, Turkey
Customer: Harbin Electric International Co. Ltd.
Duration: 2014-2018
Scope: Design and supply of two CFB boilers and two flue gas scrubbers

| Plant Electrical Output (Gross/Net) | 2 x 255 MWe | 2 x 231 MWe |
| Steam Flow (SH/RH) | 716/626 tph | 1575/1376 kpph |
| Steam Pressure (SH/RH) | 173/43 barg | 2509/628 psig |
| Steam Temperature (SH/RH) | 565/565°C | 1049/1049°F |
| Feedwater Temperature | 262°C | 504°F |
| Fuel | Lignite |
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

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