

CASE STUDY

Sulzer Awarded for the Most Important Pumps of Karabiga 2x660 MW Ultra-Supercritical Coal-Fired Power Plant in Turkey

Cenal Elektrik is building a new 2x660 MW ultra-supercritical coal-fired power plant near Çanakkale on the coast of Turkey's Sea of Marmara. Using the ultra-supercritical thermal power plant technology will increase the efficiency of the power plant while reducing its emissions.



Karabiga Cenal power station located in Çanakkale province, Turkey

The Sulzer difference

Sulzer's extensive boiler feed pump references and experience in the field of super critical application makes it a reliable partner in supplying quality products that meet customer's requirements.

The challenge

Pump efficiency will play significant role in plant operation cost and commercial benefit for the client is significant. Therefore, the challenge was to provide a pumping solution with the highest efficiency possible.

The solution

Sulzer was awarded for

- 5 HPT boiler feedwater pumps
- 5 HZB booster pump
- 4 SJT condensate extraction pumps
- 5 SJM circulating water pumps
- 4 SMD closed-cycle cooling water pumps
- 10 general service water pumps (LP heater drainage, steam turbine house sewage and air pre-heater LP flushing water pumps)

Sulzer's efficiency on boiler feedwater and circulating water pumps which was higher than competition made the difference.

Customer benefit

By choosing Sulzer, the customer can rely on an experienced partner to provide:

- Cutting-edge product technology
- Reliable products
- Higher pump efficiency than competitors

Contact

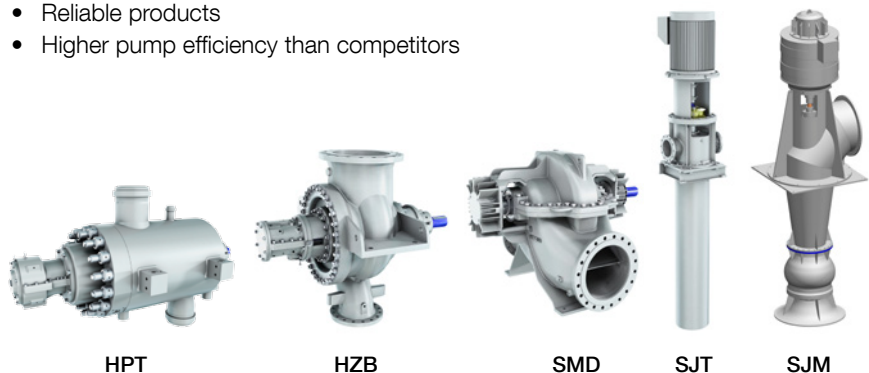
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Applicable markets

Power generation

Applicable products

Boiler feedwater, booster and condensate extraction pumps



HPT

HZB

SMD

SJT

SJM