

GPEC Jordan Attarat oil shale power plant project



The exterior of Jordan Attarat oil shale power plant

Siemens cooperated with China Energy Engineering Group Guangdong Power Engineering Co., Ltd. (GPEC) to provide two SST5-5000 steam turbines, two SGen5-1200A generators and the SPPA-T3000 control system to the Attarat oil shale power plant of Attarat Power Company at Jordan. Attarat Power Company is established upon a partnership among YTL Corporation, Guangdong Yudean Group Co., Ltd. and Eesti Energia AS.

The power plant is built in the desert and away from the natural water supply. Compared with a wet cooling system, Siemens' air-cooled steam turbine unit will save up to 90 percent of the water needed for the operation of the plant, achieving the efficient usage of water resources. The power plant will be put into operation in mid-2020. With an installed capacity of 470 MW, the power plant could cover up to 15 percent of the country's annual power demand.

This project is the first EPC project in the history of cooperation between Siemens and China Energy Engineering Corporation Limited. In addition, the project is not only the biggest oil shale power generation project in Jordan, but also the single project with the highest contract value won by Chinese EPC

companies in Jordan. The construction and operation of the project can create 3,500 and 1,000 job opportunities respectively.