

## Gulf of Suez and East Port Saïd

Gas-fired Power Station



### Gulf of Suez and East Port Saïd, Egypt

Gulf of Suez and East Port Saïd in Egypt are two nearly identical power stations built by the EDF Group and operated by them in the next 20 years (BOOT Contract).

Both power stations excel by far the stringent European requirements in terms of environmental protection and safety. And KSB's pumps and valves make a decisive contribution.

#### Customer:

EDF Suez Gulf Power S.A.E. and  
EDF Port Saïd East Power S.A.E.,  
Egypt

#### Application:

680 MW

#### Commissioned:

Gulf of Suez, February 2003  
East Port Saïd, June 2003

Our boiler feed pump CHTC, cooling water pump SEZA, and our condensate extraction pump WKTA are in high-availability operation in all important main processes of both power stations. Professional planning and execution as well as the exact meeting of deadlines have made for an optimal cost/benefit ratio. Long trouble-free operation of the Sidi Krir and Ayoun Moussa power stations equipped with KSB products was a decisive argument for the customer to place the order with KSB.

KSB did not only supply pumps and valves to both power stations, but also supervised all installation steps of the entire feed water circuit; the very latest in laser technology ensured correct alignment of the pump units. Furthermore, all measuring equipment was checked, test and trial runs were performed and the results documented, and commissioning was supervised. In addition, prior to commissioning in 2003, the staff of both power stations received on-site training and orientation in 5 thematic blocks by one of our engineers. KSB's comprehensive service assures a high availability of these two power stations in Egypt.





## Gulf of Suez and East Port Saïd/Egypt – Scope of supply and technical data

### Scope of supply:

#### Pumps:

- 6x boiler feed pump CHTC with booster pump YNK
- 4 x cooling water pump SEZA
- 4 x condensate extraction pump WKTA

#### Valves:

- 487 butterfly valves Isoria, nominal diameters DN 50–600
- 8 butterfly valves Mammouth, nominal diameter DN 1,600 both with manual or electric actuator ACTELEC

### Technical data:

#### CHTC:

- Capacity: 672 m<sup>3</sup>/h
- Head: 2.340 m
- Speed: 5.971 min<sup>-1</sup>

#### SEZA:

- Capacity: 23.400 m<sup>3</sup>/h
- Head: 13 m
- Speed: 369 min<sup>-1</sup>



### KSB – Advantages that convince:

- Cost optimisation by professional planning, execution and meeting of deadlines
- Safety – particularly in the phase before commercial operation – thanks to specialists having manufacturer know-how and experience in plant commissioning/start-up.

Should you need more information, please do not hesitate to contact us:

Michael Schneider (pumps)  
+49 6233 86-2625  
michael.schneider@ksb.com  
www.ksb.com

Rainer Dezelski (valves)  
+49 6233 86-1656  
rainer.dezelski@ksb.com  
www.ksb.com