

Independent Water and Power Project Ras Az Zawr, Saudi Arabia

Seawater system for cooling and desalination ($Q \approx 11.6 \text{ m}^3/\text{s}$)

Projektzeitraum: 2006 - 2009
Bauherr: Water and Electricity Company, Kingdom of Saudi Arabia
Auftraggeber: Fichtner GmbH & Co. KG Stuttgart, Germany

Services:

- Hydraulic study of existing sea water systems
- Study of different water intake structures for required amount of water for cooling and desalination
- Study of different outfall structures
- Cost estimation of seawater system
- Preparation of tender documents for seawater systems
- Thermal and saline recirculation study for optimizing the outfall structures
- Thermal recirculation study for effects of new neighboring plants
- Thermal recirculation study for adjusted design based on EPC

