

Dubai Pumping Station

Dubai, U.A.E



The New Dubai Sewage Treatment Plant is located 25 km from city of Dubai. Four sewage pumping stations 56,000-69,000 m³/d each are distributed over the city of Dubai and pump the sewage to a common pumping station of 260,000 m³/d where it is pumped to the treatment plant.

The client is the Dubai Municipality, U.A.E.

ABB was project leader of a consortium responsible for the complete electromechanical works.



ABB

Industrial^{IT} for Water Plant Management

The Next Way of Thinking



Technical Specification / Scope:

- 72 switchgear cubicles 6.6 kV
- LV cubicles 0.4 kV
- 8 transformers 1000 kVA, 6.6 / 0.4 kV
- 2 frequency converters for variable speed drives
- complete measuring system, instrumentation and control stations
- telemetry for distributed valve stations
- 5 DC-supply systems
- 5 deodorization plants
- 2 stationary diesel generator sets, 2000 kVA each
- 2 mobile diesel generator sets 860 kVA each
- mosaic mimic diagrams, automatic control, recorders, marshalling, coupling relays
- complete cables and installation material
- complete earthing and lightning protection
- complete lightning system (indoor and outdoor)

The project was completed in January 1992.



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