

Dubai Treatment Plant

Dubai, U.A.E



The New Dubai Sewage Treatment Plant is located 25 km from city of Dubai on the Awir Road. Capacity is 130,000 m³/day, sufficient for 500,000 inhabitants, expandable to 200,000 m³/day. Treatment includes mechanical stage, biological stage, sand filtration and chlorine disinfection, sludge treatment and thermal drying.

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

ABB was nominated subcontractor for the electrical works.



ABB

Industrial^{IT} for Water Plant Management

The Next Way of Thinking



Technical Specification / Scope:

- 26 switchgear sections, 6.6 kV
- 15 transformers 1000kVA, 6.6 / 0.4 kV
- 363 switchgear and motor control cells (MCCs and LV)
- 335 cubicles for metering & automation control central control station with mosaic mimic board
- 4 secondary control stations with mosaic mimic boards
- Telemetry system
- DC supply system
- complete instrumentation
- grounding, lighting and lightning protection
- complete cabling and electrical construction materials
- 2 diesel generator sets, 2000 kVA each
- Complete fire fighting equipment

The project was completed in January 1992.



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