



Power Station Expansion and Potable Water Provision Bahrain, 3.600 m³/d + 2.400 m³/d

Project Description:

In collaboration with our local partner Lenntech has engineered, manufactured and assembled a turnkey double pass reverse osmosis system with an EDI polishing step in the Kingdom of Bahrain. The demineralised water is being used as make up water for the boiler feed system. Additionally a complete The water desalination system is equipped with top brand instrumentation and equipment. The system is completely from European origin and will be delivered with a certificate of origin.

Scope of Work:

- Engineering, manufacturing and assembly
- Reverse osmosis pass 1
- Reverse osmosis pass 2
- EDI pass
- High brackish well water pump station
- Degasser tower system
- Potable water remineralization system
- Fully automated flush
- 3x CIP station RO and EDI
- Form 4B motor control center
- 2x 100% multi media filtration
- 2x 100% chemical dosing stations
- 2x 100% 5 micron cartridge filtration
- Automatic online LSI/SDI/Silica/TOC measurement
- Redundant PLC w/ SCADA preparation
- Site commissioning

Project duration:

December 2016 to July 2018

Project location:

Kingdom of Bahrain

Product quality:

TDS < 0,1 uS/cm / TDS > 200 < 400 uS/cm

Project application:

Boiler Feed Water / Potable Water

Typical contract amount:

2.000.000 – 3.000.000 EUR

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WATER TREATMENT SOLUTIONS