

EPC Water Desalination RO Plant with ReidSteel Building

Client: Waha Oil Company



Location: Essider Terminal

Equipment: Brackish Water RO Desalination Plant

Design: 600m³/day Permeate from Well water

Application: Drinking

Year: 2014

Scope:

- Engineering & Design** – Technical drawings, compliance with RO system standards, risk assessments.
- Procurement & Fabrication** – RO membranes, filtration units, pumps, dosing systems, QA/QC inspections.
- Civil Works** – Site prep, foundation construction, drainage, and structural supports.
- RO System Installation** – Assembly of Degasser, pre-treatment (softeners, carbon filters), RO membranes, and post-treatment units.
- Instrumentation & Control** – Automatic Control, integration of SCADA systems, monitoring sensors, and calibration of flow/pressure transmitters.
- Prefabricated Building Erection** – Installation of ReidSteel UK structure, including ventilation, electrical, and safety systems.
- Commissioning & Handover** – Performance testing, water quality validation, and final documentation.

