

Case Reference IP-1030 – Containerized Drinking Water at Waha

EPC Containerized BW RO Plant for Emergency Needs in Desert

Client: **Waha Oil Company**

Location: **Waha Field**

Equipment: **Brackish Water RO Desalination Plant**

Design: **840m³/day Permeate from Well water**

Application: **Drinking**

Year: **2012**

Scope:

- **Engineering & Design** – Technical drawings, compliance with RO system standards, risk assessments.
- **Procurement & Fabrication** – Containerization of BWRO Plant, RO membranes, filtration units, pumps, dosing systems, QA/QC inspections.
- **Civil Works** – Site prep, foundation construction, drainage.
- **RO System Installation** – Assembly of Degasser, Containerized 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.
- **Commissioning & Handover** – Performance testing, water quality validation, and final documentation.

