

# Case Reference IP-1074 – Containerized RO Plant at Samah

## Supply & Installation of Containerized BW RO Plant for Desert Camp

Client: **Waha Oil Company**

Location: **Samah Field**

Equipment: **Brackish Water RO Desalination Plant**

Design: **150m<sup>3</sup>/day Permeate from Well water**

Application: **Drinking**

Year: **2025**

### 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.

