## Water and Environment Engineering Design

**Services:**

- Water Networks
- Sewage Networks
- Storm Water Drainage Networks
- Irrigation Networks
- Subsurface Drainage Networks
- Water Treatment Plants
- Wastewater Treatment Plants
- Desalination Plants
- Hydraulic Analysis and studies
- Surge Analysis and Anti-Hammer Systems
- Leak Detection Analysis
- Environmental & Social Impact Assessment (ESIA)
- Pump Stations
- Flood Protection Engineering
- Dump Sites Lining and Closure
- O & M Manuals
- SCADA Systems
- BIM
- Schematics and master planning
- Hydrological studies
- GIS
- Cathodic Protection & Stress Analysis

**Codes and Standards:**

- Abu Dhabi Distribution Company General Guidelines
- MODON Standards (KSA)
- NEOM Standards (KSA)
- Royal Commission GEM (KSA)
- Saudi Ministry of Housing Standards
- Saudi Aramco Engineering Procedure

**Software:**

- Arc (GIS)
- AutoCAD (Drawing)
- AutoDesk Civil 3D
- AutoDesk Collaborate
- AutoDesk Navisworks
- AZMI
- Bentley Hammer
- Bentley Sewer GEMS, Sewer CAD
- Bentley Water GEMS, Water CAD
- BIM 360
- Biowin
- DIALux
- Google Earth
- Global Mapper
- Gpsx
- KY Pipe (Water and Environment)
- MS Project
- Revit (Drawing) – Dynamo Revit, AutoDesk Revit
- Solibri Model Checker