

**PROJECT**

P4: Maurid Marul Main Production Station (MMPS)



**LOCATION**

Oman

**END USER**

Petroleum Development Oman (PDO)

**CONTRACTOR**

Electrowatt Engineering

**CONSULTANT**

Dynaflow International Inc., U.A.E.

**PIPE SYSTEMS UTILITY**

Flowline

**COMPLETION DATE**

2001

**DESCRIPTION**

29 KM, High Pressure Pipeline

**PIPE SYSTEM**

The project called for the production of a Glass Reinforced Epoxy Pipeline, 250mm in diameter designed for a pressure of 50 Bar, and temperature of 500C, over 29 km of desert terrain traversing roads and wadis. The pipeline was designed in accordance with internationally accredited and approved manufacturing and logistics procedures. GRE qualification testing was done as per Shell DEP 31.40.10.19 Gen.

**SCOPE**

Our scope entailed a single point responsibility, whereby we assume full responsibility for the piping system including:

- Engineering, Plan & Profiles, including detailed wadi/road crossings, preparation of Isometrics, Bill of Materials & Spool Drawings.
- Surge & Stress Analysis
- Qualification Testing as per DEP 31.40.10.19
- Manufacture of pipes & fittings.
- Spool Fabrication
- On-Site Supervision & Training
- Packing and delivery
- Documentation

**THE FPI ADVANTAGE**

In addition to Glass Reinforced Epoxy's intrinsic material properties, and the Future Pipe Group's established reputation for reliability, integrity, and its ability to provide single point responsibility, the client benefited from:

- The ability to design customized fittings suitable for pissing, in accordance with project requirements
- The innovation of an installation system to dramatically increase efficiency