

# 103A to Coastal Network Gas Pipeline Zueitina Oil Company

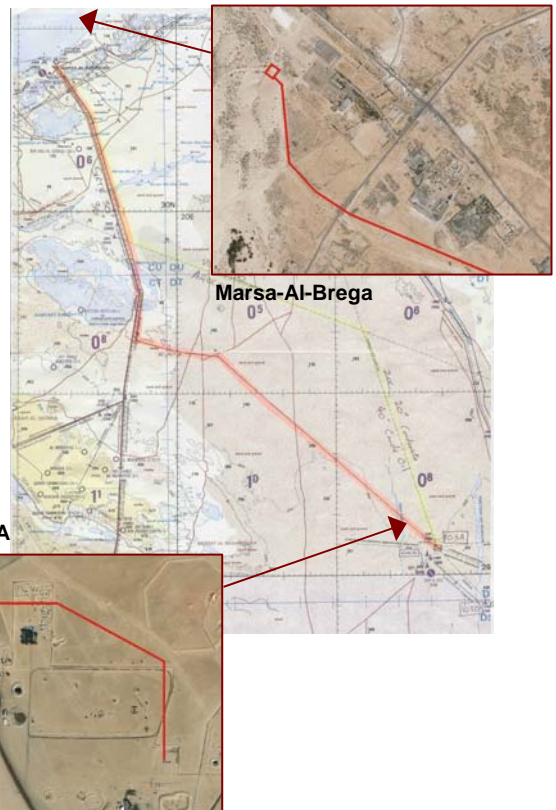
GAS

**Profile:**

Zueitina require to convey 1,500 MMSCFD of gas from 103A to the Coastal Network at Marsa-Al-Brega by 2012. Penspen undertook the detailed design for the 206km, 42" diameter pipe line and a Concept study, Front End Engineering Design (FEED) for the associated 103A gas gathering, pressure reduction & metering (PRMS) and 103A compression facilities.

Penspen provided the following services:

- Facility/pipeline route surveys
- Review for Gas Sweetening and Sulphur Recovery at 103D Gas Treatment Facility
- Review of System-wide Gas Quality Specifications
- Concept study
- Pipeline optimisation studies
- PFD's and Conceptual layouts
- Transient system analysis (TGNET) analysis
- Review of Gas treatment requirements
- Detailed pipeline design
- Cathodic Protection Design
- Pipeline Procurement Requisitions
- Pipeline Construction Scope of Works
- Bid Technical Evaluations
- Facilities Front End Engineering Design
- Preliminary HAZOPS
- Detail Engineering ITT
- Presentations and reports



**Penspen Contract:** Engineering Consultancy Services

**Penspen Manhours:** 17,000