



Case Study ENERGY

Location
Tahara Field NC-4, Libya

End User
AGOCO / Arkenu Oil Company

Year
2025

Project

Tahara Field NC4 - 4" RTP Flowlines

This project covers the manufacture and supply of 4" Reinforced Thermoplastic Pipe (RTP) for multiphase flowlines connecting Well A5 and Well A8 to a new manifold at the NC4 Oil Field. The scope includes RTP supply, site supervision, and field jointing, ensuring proper installation, compliance with project specifications, and reliable integration with existing facilities.

What We Delivered



DIAMETER
4"



DESIGN PRESSURE
557 PSI
OPERATING PRESSURE
836 PSI



Length
7200m



JOINTS
Pipe to pipe
coupling & Flange
End Fittings



DELIVERING
Multiphase: Oil,
Gas, Water

FLEXSTRONG® - HT, with an 85°C design temperature and 1000 PSI design pressure, was used for the application. The project was for a multiphase flowline with a complex underground with multiple bends.

Installation Details:

- Underground with several 120 degree turns.
- Jointing: FLX/HT 1000 pipe to pipe coupling and class 1000 flange end with dual swage jointing.
- Soil type: Predominantly loose desert sand with calcareous rocky layers.
- Terrain: Minimal elevation changes.

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Flexstrong® - HT, the high temperature series, was assembled with dual swage jointing process. The pipeline was designed for high-temperature multiphase service and configured to accommodate underground bends, ensuring flexibility and reliable performance under challenging field conditions.

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Gallery



Need
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