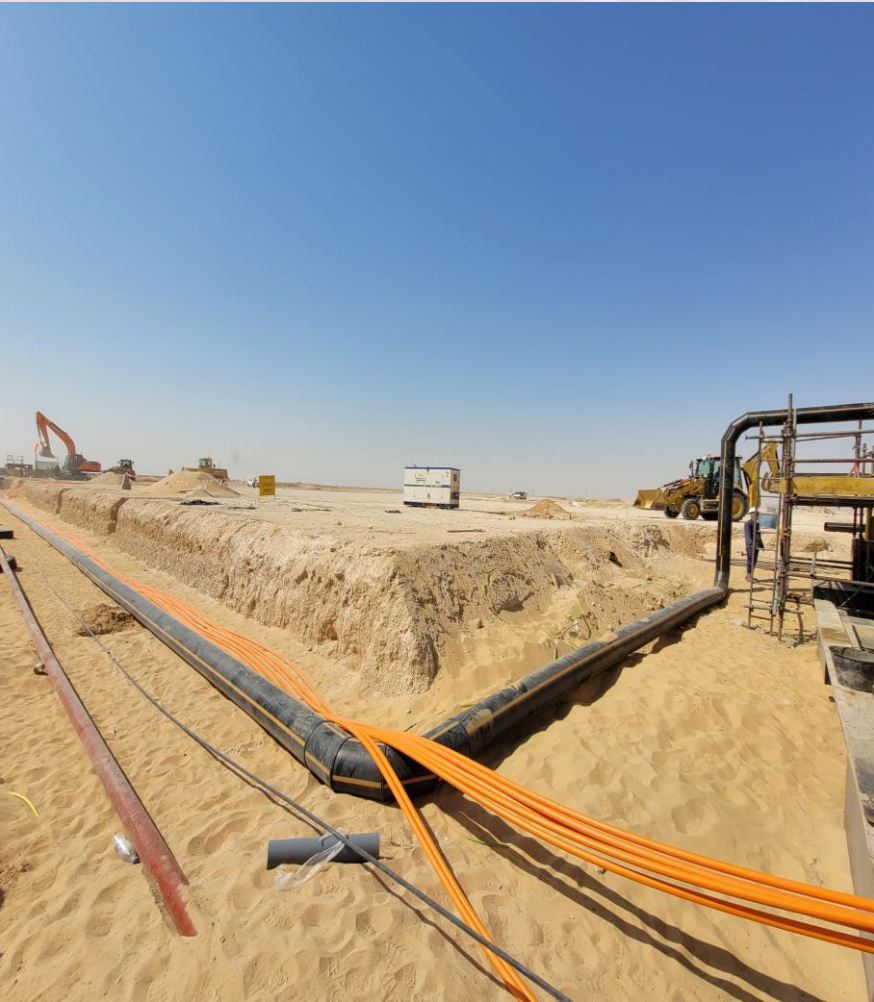
 شركة محمد البرغش  
M.AL-BARGHASH CO.LTD.



# HDPE AIR DUCT PIPELINE

**M. Al-Barghash Contracting & Trading Co. Ltd (MBTC)** has once again proved its capabilities to enhanced and adopt new technologies by incorporating an HDPE material in the field of Oil & Gas On-Shore Maintenance Potential Projects (OMPP) in replace of RTR pipeline materials. **M. Al-Barghash Contracting & Trading Co. Ltd (MBTC)** is proud to claim being the first contractor for OMPP projects to introduced an HDPE pipeline installation for Air Duct line as a conduit passage of air that would supply inside the cellar.

MBTC has developed an engineering procedure in accordance to **international ISO 21307** and **Saudi Aramco standard 01-SAMSS-051** which will be utilized for the installation of the HDPE air duct line. By introducing this technology in OMPP project, it thus minimize the inspection activity and hence, it save more time creating more productive works on installation job. This also eliminates the fabrication of CS pipeline material inside the cellar.

By replacing an RTR material to HDPE material, it reduce the material cost while on the other hand, the quality of the material is not compromised as the HDPE material has a lot of advantage as well. HDPE has a longer-term operating benefits as the material has highly resistance to corrosive, it has longer life cycle, and environmental friendly. Another recognized advantage of HDPE piping is its toughness, greatly resist the propagation of an initial small failure into a large crack.

In addition, **the HDPE availability and delivery of the material is faster rather than the RTR availability which eliminates the delay on construction work on site.** This way, the operation cost and productivity is more efficient and effective. MBTC also eliminates the importing of the material outside the kingdom as the material is available locally in the **market which give additional credit on IKTV.**

**MBTC along with Trenchless Technology Division headed by Mr. Husni Al Yacoub** is currently developing the Polyethylene material into other application on Oil & Gas process.



# Installation of HDPE at Jobsite

MBTC with Saudi Aramco Contract Number# 6600034586 has been successfully implemented and completed the installation of HDPE for air duct pipeline as a proof of its excellency to expand to meet the client requirements. The installation works including the inspection activity has been completed for **four (4) days only**, thus reducing man-power cost, time and materials cost which save more on operational cost of the company.

## MBTC Implementing an advance Technology utilizing Data Logger



Data Logger is an advance technology for monitoring the Butt Fusion Joining which eliminates the defects of jointing while in process.



# HDPE INSTALLATION COMPLETION

