

## HORIZONTAL DIRECTIONAL DRILLING

# Installation of Gas Pipelines by HDD Technology Shatt Al-Arab, Basra, Iraq

UTILITIES - GAS & FIBRE OPTICS • PIPELINE • LARGE DIAMETER HDD



### Client

Iraq Ministry of Oil / State Company for Oil Projects (SCOP)

### HDD Contractor

NSCC International Limited

### Location

Basra, Iraq

### Start Date

January 2016

### Completion Date

April 2016

### Project Details

Rig Type	: 350 Ton Drilling Rig
Length of Crossing	: 1,700 m each
No. of Crossings	: 2 nos.
Pipe Diameter	: 48" Carbon Steel pipeline & 180 mm HDPE pipe
Pipe Wall Thickness	: 27 mm
Drilling Depth	: 15 m (under the river bed)
Max. Drilling Depth from Entry	: 25 m

NSCC International set a new world record with this installation of 48" gas pipeline and parallel 180 mm HDPE pipe for fibre optic cabling underneath Shatt Al-Arab by HDD method, in terms of pipe diameter, pipe wall thickness and length of crossing. The gas pipeline will provide gas to several power stations.

What sets this crossing apart from others is the exceptionally thick wall of the 48" gas pipe, measuring 27 mm, while the pipe pulling was completed in 17 hours.