



HORIZONTAL DIRECTIONAL DRILLING

QESHM ISLAND PROJECT
Iran



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Iran

Client: Iranian Offshore Oil Company

This project was carried out in a joint venture with NSCC International Ltd.. The joint venture completed a record-breaking 3,060 m long bore-hole drilled with a single-shot pilot hole (one rig). With installation of a 406 mm (16") high pressure line under the Gulf, the IOOC's production facilities on Qeshm Island were connected with Bandar Abbas on the Iranian mainland. Technical and environmental concerns favoured the trenchless approach, as it turned out to be the optimum method of safely crossing the 2,500 m wide body of water. The water depth of 46 m and strong currents presented no problems for HDD as opposed to convention at pipelay.

Project details

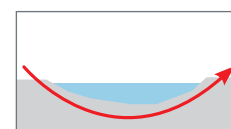
Client	Iranian Offshore Oil Company
Main Contractor	Saeed Sanat Maroon Company
Scope of work	Channel crossing
Location	Bandar Abbas, Iran
Total Length	3,060 m
Diameter	16" steel
Material	L485 MB
Geology	Clayey and sandy soils, limestone
Equipment	350t HDD Rig
Contract Period	Commencement Date – April 2010 Completion Date – July 2010
Contract Value	US\$ 4.2 million



Challenges

- Single shot pilot hole (world record length, July 2010)

Location:
Qeshm Island, Iran



Channel crossing