

ENGINEERED OFFSHORE SOLUTIONS

EUROPE, MEDITERRANEAN AND AFRICA



From its regional headquarters in Aberdeen, Neptune delivers EOS or Engineered Offshore Solutions; a portfolio of high-performance capabilities which can be supplied either as a total solution or as an individual service, according to the specific requirements of each project.

The scope of these offerings ranges from the initial survey of a field, to the design and manufacture of subsea production equipment, to asset integrity assurance, to field intervention and incremental field expansion, to infrastructure life extension, and the final phases of asset life.

Neptune's integrated service offering is delivered by a team of highly professional and experienced personnel who are dedicated to providing customised solutions to their clients' individual needs. These capabilities are demonstrated in our FEED studies, which optimise the design of subsea architecture for flow assurance performance and operational flexibility, in a cost-effective manner. Neptune's reputation for delivering high quality results is also well established in offshore installation work, general engineering, refurbishment, as well as the assembly and testing of production equipment such as trees and wellheads carried out at its workshop facilities near Aberdeen.

In addition, Neptune owns and operates two dynamically-positioned vessels and a fleet of inspection and work class ROVs, which provide support for its work in subsea inspection, survey, positioning and pipeline stabilisation work scopes, as well as Neptune's patented dry underwater welding technology, NEPSYS®.



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A typical example of Neptune's integrated project experience is the three year contract for pipeline and jacket inspection and intervention in the Persian Gulf (awarded in 2009). Using one of its DP2 vessels and ROVs, Neptune is providing survey, inspection, diving, pipeline stabilisation, engineering and project management services.

DELIVERING SOLUTIONS

During its recent support work for a field decommissioning in the North Sea, Neptune fully demonstrated the talent of its engineers for developing highly innovative solutions. The work scope involved planning the subsea interfaces to provide access to the subsea wells and to facilitate down-hole intervention.

Since the safe venting and removal of the well's tree cap was a key concern, given the inherent danger to divers during the recovery sequence, Neptune designed, developed, manufactured and tested a Hydraulic Prong Removal tool (HPRT).

This would engage and latch onto the prong and vent any internal pressure, thereby enabling the diver to undertake the work from a safe distance. From the conceptual discussion with the client to successful deployment of the tool, the entire process took less than two months.

The success of the HPRT project was underpinned by Neptune's rigorous engineering approach and ability to deliver within a tight timeframe.

