

CASE STUDY



GE Oil & Gas

– Umbilical Assemblies for Burullus West Delta Deep Marine Project

CUSTOMER

GE Oil & Gas

LOCATION

West Delta Deep Marine Concession, Offshore Egypt

CUSTOMER REQUIREMENT

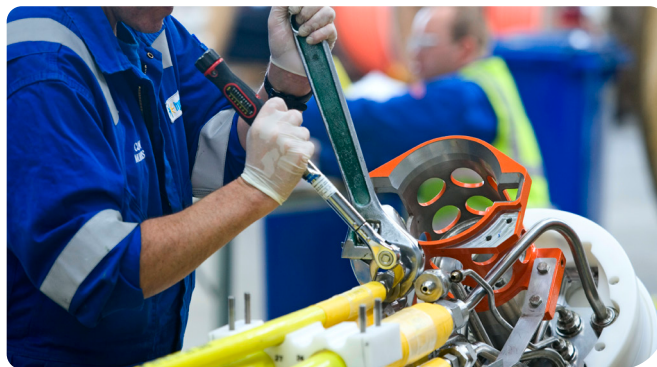
Fast track supply of Jumper assemblies integrated onto stab plates.

HYDRASUN SOLUTION

The manufacture, testing, supply and project management of umbilical assemblies integrated onto stab plates.

BENEFITS

- Short Delivery Lead Time
- Single Source Integrated Solution
- Engineered Out Leak Paths
- Project Management



BACKGROUND

The Burullus Gas Company is a joint venture between the Egyptian General Petroleum Company, BG Egypt and Petronas.

The West Delta Deep Marine (WDDM) concession is Egypt's first deepwater gas development, consisting of 14 fields and is considered to be one of the longest running subsea tie-back projects in the world.

Starting with Scarab Saffron in 2003, the fields have undergone a number of development phases to maximise recovery.

Completion of Phases 8a and 8b in late 2012 followed by Phase 9a in 2014, increased the number of completed subsea wells to more than 60. The sanctioning of Phase 9b in 2018 brought the total to 73 wells.

A further Stage, Phase 12 has been sanctioned and is currently being completed in 2026.

Through the various stages of development, subsea production control system technology has been provided by GE Oil and Gas.

CUSTOMER REQUIREMENT

As part of their scope of supply, GE Oil and Gas had a requirement for the supply of infield jumpers complete with integrated stab plate connections. Whilst cost and quality were important factors, lead time and programme management in particular, have been a key consideration across the various project stages.

Hydrasun's dedicated and experienced umbilicals team, with extensive project management capability, was key to effectively managing the scope of supply across all contract awards ensuring that scheduled delivery dates were met whilst remaining within budget.

HYDRASUN SOLUTION

Hydrasun's extensive inventory of specialist hydraulic control line hoses and end connections, alongside close working relationships with industry leading manufacturers, allow for the fast track turnaround and delivery of umbilical solutions in line with customer requirements.

Hydrasun supported GE with the supply of integrated turnkey umbilical solutions initially on the Simian, Sienna and Sequoia phases of the WDDM development, and in 2010 secured an order for 30 infield jumpers for Phase 8a of the project worth in excess of £5m.

Subsequent to this on the Phase 8b project, Hydrasun provided 22 infield jumpers worth an additional £2.8m. All of these were supplied fully integrated onto stab plates which were assembled at Hydrasun's umbilicals facility to GE's legacy stab plate design.

In late 2012 Hydrasun was awarded a further contract for 26 jumpers for Phase 9a of the development with an overall value in excess of £3.5m.

This was followed in 2018 with a further award to Hydrasun of 21 hydraulic flying leads for Phase 9b of the development with a value of £2.1m.

THE RESULT

On time delivery of complete umbilical solutions from production to end connection termination complete with stab plate integration, pressure testing, flushing and provision of associated documentation packages, from Hydrasun's Aberdeen HQ facilities.

Hydrasun's dedicated and experienced umbilicals team, with extensive project management capability, was key to effectively managing the scope of supply across all contract awards ensuring that scheduled delivery dates were met whilst remaining within budget.

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