CASE STUDY
Umbilical Assemblies for Burullus West Delta Deep Marine Project
GE Oil & Gas

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 back in 2003, the fields have undergone a number of development phases to maximise recovery. Completion of Phases 8a & 8b in late 2012 meant that a total of 51 subsea wells had been completed, whilst the sanction of Phase 9a in early 2013 will see the total rise to over 60 by mid 2014.

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 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.

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.

At a glance...

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

Multiple Solutions - One Company