

## Technip awarded an important EPCI contract for the G1200 to develop the Starfish field in Trinidad and Tobago

Technip was awarded by BG International Ltd (BG) a lump sum engineering, procurement, commissioning and installation (EPCI) contract for the development of the Starfish field. Located in the East Coast Marine Area, offshore Trinidad, the field lies at a water depth of approximately 130 meters and will be tied back to the existing Dolphin 'A' Platform operated by BG.

The EPCI contract covers the project management, detailed design and procurement of:

- a 14" 10-kilometer concrete coated production flowline<sup>(1)</sup>,
- an 11-kilometer control umbilical<sup>(2)</sup>,
- riser<sup>(3)</sup> and spoolpiece tie-ins,
- four flexible jumpers<sup>(4)</sup>.

In addition, the following client-supplied items will be installed:

- a subsea manifold<sup>(5)</sup>,
- topsides high integrity pipeline protection system (optional).

Technip's operating center in Houston, Texas will perform the overall project management with detailed design being completed by Genesis, a wholly-owned Technip subsidiary. The umbilical will be manufactured by Technip's Duco Inc. facility in Channelview, Texas and the flexible jumpers will be manufactured by Technip's Flexi France plant in Le Trait, France.

Offshore installation is expected to be performed in mid-2014 with the G1200 as the primary installation vessel for all pipelay, umbilical lay and heavy lift operations. Diving and construction will be completed by one of Technip's diving support vessels, supported by the diving division also coming from Global Industries.

David Dickson, Technip's Senior Vice President, North America Region, has declared: *"This project is an excellent example of the value of vertical integration within the expanded capability of Technip's subsea offering. The S-Lay and heavy lift capability of the G1200 has allowed us to increase our accessible market."*

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<sup>(1)</sup> Flowline: a pipe, laid on the seabed, which allows the transportation of oil/gas production or injection of fluids. Its length can vary from a few hundred meters to several kilometers.

<sup>(2)</sup> Umbilical: an assembly of steel tubes and/or thermoplastic hoses which can also include electrical cables or optic fibres used to control subsea structures from a platform or a vessel.

<sup>(3)</sup> Riser: a pipe or assembly of pipes used to transfer produced fluids from the seabed to the surface facilities or to transfer injection fluids, control fluids or lift gas from the surface facilities and the seabed.

<sup>(4)</sup> Jumper: a short section of pipe for the connection of two subsea structures.

<sup>(5)</sup> Manifold: a piece of pipe with several lateral outlets and/or inlets for connecting one pipe with others.



Technip is a world leader in project management, engineering and construction for the energy industry.

From the deepest Subsea oil & gas developments to the largest and most complex Offshore and Onshore infrastructures, our 32,000 people are constantly offering the best solutions and most innovative technologies to meet the world's energy challenges.

Present in 48 countries, Technip has state-of-the-art industrial assets on all continents and operates a fleet of specialized vessels for pipeline installation and subsea construction.

Technip shares are listed on the NYSE Euronext Paris exchange and the USA over-the-counter (OTC) market as an American Depositary Receipt (ADR: TKPPY).



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