

## Technip awarded the major Moho Nord Subsea project in Congo, West Africa

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Technip was awarded by Total E&P Congo a major(1) lump-sum contract for the engineering, procurement, supply, construction, installation (EPSCI) and pre-commissioning for the Moho Nord development project. This project is located approximately 75 kilometers off the coast of the Republic of the Congo, at water depths ranging from 650 to 1,100 meters.

This project consists of two developments, the Moho Phase 1bis and Moho Nord, with first oils being respectively expected in 2015 and 2016. The Moho Nord development, which will be tied back to a new floating production unit (FPU) and a newbuild tension-leg platform (TLP), includes an oil export line to the Djeno onshore terminal and will also be tied back to the shallow-water N'Kossa platform for gas exchange. The Moho Phase 1Bis development consists of tie-backs to the existing deepwater Alima FPU.

This contract covers the project management, engineering, supply, fabrication and installation of:

- 230 kilometers of rigid pipelines,
- 23 kilometers of flexible pipes,
- 50 kilometers of umbilicals(2),
- 50 subsea structures as well as various other structures and rigid jumpers(3).

It also includes the installation of client-supplied manifolds(4) and pumps, control system components and multiphase jumpers.

The offshore campaign will be spread over 2014, 2015 and 2016, with the primary installation vessels being the G1200 (Technip BV), a rigid pipe S-lay and heavy-lift construction vessel, and the Deep Pioneer (Technip UK), a multipurpose deepwater vessel. Technip's operating center in Paris, France will carry out the overall project management and engineering of this fast-track and multi-disciplinary subsea project. The flexible pipes will be fabricated at Flexi France, Technip's manufacturing plant in Le Trait, France and the umbilicals will be fabricated at the Group's new manufacturing unit in Newcastle, United Kingdom. As part of the project, Technip

will engage with Pointe-Noire-based contractors to fabricate various steel structures in Congo.

Frédéric Delormel, Technip's Executive Vice President and Chief Operating Officer Subsea, declared: "This strategic contract confirms Technip's leadership on large and complex EPSCI projects as it is the largest subsea contract that the Group will execute on its own. This award was made possible thanks to our unique vertically-integrated organization and the acquisition of Global Industries in 2011, notably with the S-Lay and heavy-lift capabilities of the G1200 vessel."

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(1) For Technip, a "major" subsea contract starts at €500 million.

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

(3) Jumper: a short section of pipe for the connection of two subsea structures.

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

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