

## Technip awarded Subsea contract in the Mediterranean Sea

Technip has been awarded a lump sum contract by Repsol Investigaciones Petroliferas SA for the development of two fields located approximately 50 kilometers off the east coast of Spain.

Technip's scope includes engineering, supply, installation and pre-commissioning of the 11-kilometer flexible pipeline system that will connect two production wells to the Casablanca platform. This pipeline system will include a riser<sup>(1)</sup>, a flowline<sup>(2)</sup> and two jumpers<sup>(3)</sup>.

Technip will also install a pumping manifold, umbilicals<sup>(4)</sup> and flying leads provided by the client. The project is located in a fishing area. To protect fishing lines, the flexible pipelines and umbilicals will therefore be trenched.

Technip's operating center in Paris, France, will execute this contract. All flexible pipelines will be fabricated at the Group's plant in Le Trait, France. Offshore installation is scheduled to be carried out in the first half of 2011, using the Deep Constructor, one of Technip's deepwater construction vessels.

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<sup>(1)</sup> Riser: a pipe or assembly of pipes used to transfer produced fluids from the seabed to surface facilities, and transfer injection or control fluids from the surface facilities to the seabed.

<sup>(2)</sup> Flowline: flexible or rigid pipe laid on the seabed for the transport of production or injection fluids.

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

<sup>(4)</sup> Umbilical: an assembly of steel tubes and/or thermoplastic hoses. Umbilicals can include electrical cables or optic fibers to support communications, power supply and telemetry functions.

