

# Total Laggan Tormore



Client:  
Total E&P UK Limited

Location:  
UK North Sea (West of  
Shetland)

Project Type:  
SURF

Utilising its experience, engineering expertise and capability in delivering complex projects in deepwater and challenging environments, Subsea 7 is the lead subsea contractor supporting the safe and efficient delivery of one of the North Sea's key developments in the coming years - Laggan Tormore.

The overall subsea development consists of a long distance tie-back of subsea wells connected to a new gas processing terminal at Sullom Voe on Shetland. This comprises two 18" production, 8" and 2" service pipelines and control umbilicals. From this gas terminal, the processed gas will be exported through a new 30" pipeline to the UK Frigg (FUKA) pipeline system in the North Sea.

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## Project

Laggan Tormore

## Client

Total E&P UK Limited

## Location

UK North Sea (West of Shetland)

## Water depth

600m

## Project Type

SURF

## Date Awarded

May 2010

## Date Completed

n/a

## Vessels/Spoolbases Utilised

Vigra Spoolbase  
Seven Oceans  
Seven Seas  
Seven Atlantic  
Seven Sisters  
Seven Pelican  
Skandi Seven  
Seisranger  
Kommandor Subsea

## Overview

- 1 x Umbilical (126km)
- 1 x Umbilical (17km)
- 1 x Umbilical components (onshore) (2km)
- 1 x 8" & 2" Piggyback rigid flowlines (141km)
- 1 x Pipeline end termination and protection structure
- 1 x In-line tee and protection structure
- 6 x Hot tap tees
- 1 x Pipeline end manifold
- 2 x Jumper bundles
- 12 x Tie-in spools

Awarded in May 2010, the contract is valued in excess of US \$250 million. Subsea 7's principal scope of work comprises the engineering, fabrication and installation of 141km of 8-inch and 2-inch piggy-backed service pipelines and the engineering, supply and installation of 1 x 124km and 1 x 17km control umbilicals and associated subsea structures and tie-ins.

Managed from Subsea 7's UK engineering centre in Aberdeen, the Laggan Tormore project will create a number of significant firsts for the company. Most significantly it will involve the installation of the longest single length of umbilical in the world. The ability to efficiently install the main umbilical in a single length is a key differentiator for Subsea 7.

Other company firsts will include the longest total length of pipe fabricated for a single project at Subsea 7's North Sea Spoolbase in Vigra, Norway. The project will also entail the longest trenching on a Subsea 7 project to date and amongst the largest project pre-commissioning and conditioning scopes of work undertaken, incorporating the longest intelligent pigging scope.

Project management and engineering work has commenced. Phase 1 offshore operations, encompassing pipelines and umbilicals installation and pre-commissioning activities, are scheduled to commence in Q2 2012. Phase 2 offshore operations, encompassing tie-in and commissioning activities, are scheduled to commence in Q2 2013.



Subsea 7 North Sea Spoolbase Vigra, Norway



Seven Atlantic



Seven Seas