

## FPSO TOW OUT, HOOK-UP AND INSTALLATION

### General

Project	Alma and Galia Field Development
Location	Central North Sea, UK Block 30/24, 30/25 and 30/29
Water depth	80 m
Client / Operator	EnQuest
Award date	Q3 2012
Installation date	Q2 2015

### Technical data

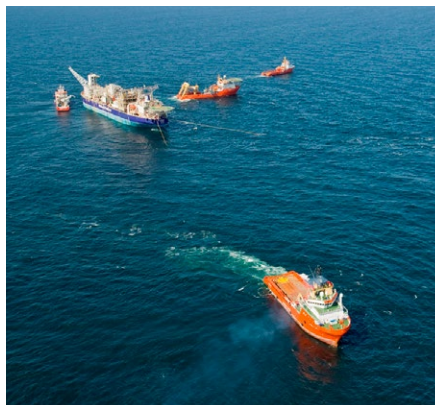
Quantity / Size / Weight	FPSO (deadweight: 100,000 tons) Tow Out and Offshore Hook-Up <ul style="list-style-type: none"> <li>• Tow from Newcastle to Field</li> <li>• Hook-up of mooring legs</li> <li>• Diver Support</li> </ul>
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### Equipment Resources

Installation Vessel	<ul style="list-style-type: none"> <li>• Command Anchor Handling Tug (A-frame)</li> <li>• 3 x Heading Control Tugs (up to 200 TBP)</li> <li>• DSV</li> </ul>
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### Key Equipment

- Tow gear
- Navigation aids
- Survey equipment
- Working Class ROVs



### Scope of Work

The EnQuest Producer was towed from Port of Tyne to the field. At arrival in the field, the FPSO was positioned above the mooring and the chains were pulled and hooked into the FPSO. Once all mooring lines were connected, the chains were tensioned. Once in position the excess chain, rigging and installation aids were removed. Post installation, Jumbo continued with field assistance to support the riser hook-up.

### Theme / Highlight

Schedule flexibility, combined with in time offshore completion, was key to the success of EnQuest First Oil in mid-2015.