

PRESS RELEASE**SUBSEA 7 TO DELIVER 4 TECHNICAL PAPERS AT OTC ON
TUESDAY 3RD MAY 2011**

On Tuesday 3rd May 2011, Subsea 7 will deliver four technical papers, showcasing examples of its capabilities in deepwater markets, its engineering and technical expertise at the Offshore Technology Conference (OTC) in Houston, Texas. Today's papers are highlighted below:

**Paper no. - 21821 Versatility in Answering the Challenge of Deepwater
Field Developments**

J.D. Bullock, E. M. Geertse, M.M. Landwehr, Subsea 7

This paper will form part of the Offshore Pipelines I session and will be presented at 1014hrs.

Abstract

The paper will address the application of a versatile asset in the execution of a multi-faceted deepwater installation project. An asset equipped to support heavylifts, S-lay, J-lay and Flex-lay operations can allow the project to design installation scenarios which address very specific permanent equipment qualifications while promoting cost effective installation and schedule advantages. This paper builds case studies in which the application of the various installation methodologies could provide significant flexibility benefits in the execution of a deepwater project. The case studies will review the technical considerations related to vessel capabilities and the challenges of several project scenarios.

**Paper no. - 21520 Angola LNG Nearshore Pipeline Bundle Pull Construction
and Installation**

L.M. Warren, D. Pelloux, F. Semel, R. Wallerand, Subsea 7

PRESS RELEASE

This paper will form part of the Economic and Technical drivers to Gas Commercialisation session and will be presented at 1058hrs.

The paper describes the construction and installation of a 932m long bundled submarine pipeline system to make the connection between the onshore pipeline and the nearshore pipeline sections of an Angola LNG project. The bundle consisted of three separate heavy-walled, concrete coated pipes, 18", 22", and 24" connected together. The construction of the bundle is discussed as well as the installation engineering challenges of pulling the bundle.

Paper no. - 21267 Management of Hybrid Riser Towers Integrity

J-L. Legras, J-F Saint-Marcoux, Subsea 7

This paper will form part of the Integrity Management of Subsea Assets session and will be presented at 1528hrs.

Abstract

Field developments target deeper and deeper waters, for which Hybrid Riser Towers (HRTs) have become one of the solutions investigated almost systematically at bid stage. This is particularly due to the capability of HRTs to accommodate the requirement for large diameter risers, reduced load on FPSO, demanding flow assurance requirements and robust layout for later developments phases. Requirements of Integrity Management (IM) are nowadays at the heart of all offshore development; they are included in the criteria for selection of a riser system where application of IM principles to a HRT project are summarised in the paper.

Paper no. - 21271 Lessons Learnt on the Design and Construction of Hybrid Riser Towers

J-F Saint Marcoux, J-L Legras, Subsea 7

PRESS RELEASE

This paper will form part of the Hybrid Riser Systems session and will be presented at 1422hrs.

Abstract

The paper will concentrate on bundle Hybrid Riser Towers (bundle-HRT) and describe the several choices to be made for the design of a bundle-HRT. The selection is driven by the functional requirements, but also through the lessons learnt and through reliability. The paper will also review the various components of the bundle-HRT (Foundation, Lower Termination Assembly, Bundle, Upper Termination Assembly, Buoyancy Tank, Jumpers), and describe how each component incorporates the particular requirements of the project. Finally the paper will detail how the lessons learnt on previous projects have been systematically introduced in the design of the following generation of HRTs.

Overall, Subsea 7 will deliver 11 Technical papers during this year's OTC. To find out more visit Subsea 7 at booth #2824 in the Reliant Centre.

-Ends-

3rd May 2011

For further information:

Visit Subsea 7 at booth #2824 in the Reliant Centre or contact: Julie Gauld, Subsea 7 Communications Manager, Tel: +44 (0)1224 526270 or Email: julie.gauld@subsea7.com

Notes to editors:

1. Subsea 7 S.A. is a seabed-to-surface engineering, construction and services contractor to the offshore energy industry worldwide. We provide integrated services, and we plan, design and deliver complex projects in harsh and challenging environments.

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