

Rosa BHOR Riser Tower – Design and Analysis Challenges and Solutions

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The TOTAL Rosa Field has recently been brought on-stream in a tieback to the Girassol FPSO. The field is tied in to the FPSO through a Bundle Hybrid Offset Riser (BHOR) tower solution, which has been supplied by Saipem through an EPCI contract to TOTAL. The Rosa BHOR is only the fourth riser tower system to be installed offshore West of Africa and a number of significant technical enhancements have been implemented in its development.

This paper presents the overall Rosa BHOR solution and discusses the technical enhancements that have been implemented in the solution. In addition, new advanced tools and analysis methodologies that were developed for the detailed analysis of the BHOR are presented and discussed. These tools and methodologies have been developed jointly by MCS and Saipem to allow the detailed analysis of the interaction between the multitude of components in the BHOR solution from the bottom spools up through the individual riser pipes and central tendon and up to the topside jumpers.

Oral Presentation

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Track 2 Session 1

Risers and riser Technology on Wednesday 3rd December at 12pm