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ANOTHER RISER MANAGEMENT SYSTEM CONTRACT FOR FUGRO

Fugro GEOS' Structural Monitoring Division has recently been awarded a contract by FMC Technologies to supply a Riser Management System (RMS) for a completion/workover (C/WO) riser that FMC Technologies is supplying for Statoil's Gjøa field, offshore Norway.

Developed by Fugro and MCS, the market leaders in riser analysis and associated software the IRIS-RMS system is an integrated riser management system for drilling and C/WO risers that calculates a safe operating envelope using the unique MCS finite-element model of the riser.

The RMS consists of riser-mounted instrumentation, cables, and computer system running the MCS software. IRIS-RMS interfaces with vessel systems to collect key data to feed into the software's sophisticated finite element predictive model and associated simulation software. Riser-mounted strain and/or accelerometer packages are also typically installed. The system also includes modules to calculate and display the operating envelope and drift-off characteristics.

Not only does the system monitor and record riser loads during operation, it also displays hot-spot stresses within the riser and computes the top tension and tensioner/hook load tension split. It also tracks the fatigue life of each joint in the riser, and records and displays riser stresses during unexpected/unplanned incidents. IRIS-RMS warns if the riser is approaching its design capacity.

Further information on the IRIS-RMS is available from Fugro GEOS offices around the world and also from MCS.

NEWS RELEASE

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Notes to Editors:

Background to the Gjøa field

- Gjøa lies in blocks 35/9 and 36/7. The field was proven in 1989. Reserves are estimated to be 82 million barrels of oil and condensate and 40 billion cubic metres of gas.
- Gas will be transported in the British pipeline Flags to St. Fergus in Scotland. Oil will

be piped via a tie-in to the Troll II pipeline and further to the Statoil-operated Mongstad refinery near Bergen.

- Statoil is development operator for Gjøa, while Gaz de France takes over as production operator when the field commences production.
- Start-up of oil and gas production is expected in 2010.

About Fugro GEOS' Structural Monitoring Division

- The Structural Monitoring division of Fugro GEOS is an engineering consultancy specialising in all aspects of measurement, analysis and testing of structures. It offers a range of services, which provides the offshore industry with essential information regarding the performance of structures in service.
- The success of the division in this field is founded upon its detailed understanding of the engineering requirements, the use of unique data acquisition software and where appropriate, innovative system design.

About MCS

- MCS is a global subsea engineering company providing engineering solutions to the subsea oil and gas industry. It specialises in subsea, pipeline and riser engineering, riser and flowline delivery management, subsea integrity management and drilling services.
 - MCS actively develops, supports and markets a comprehensive suite of design and analysis software that is widely used in the industry.
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