

Services Performed

IRC prepared Safety Cases for seven Seadrill new-build Mobile Offshore Drilling Units (MODUs). The Safety Cases meet the International Association of Drilling Contractors (IADC) guidelines for MODUs. The project involved coordination between Seadrill's Houston office and shipyards in the Republic of Korea.

Objectives

- Ensure that rig design is technically consistent with hazard management; and that the rig's operational scope can be performed safely without harm to the personnel, environment, or company assets
- Verify that a safety management system is in place that is capable of systematically and continually identifying, assessing, and eliminating risks; and for managing risks to ALARP over the life of the rig

Project Description

The Safety Cases document MODU rig hardware, operations, safety studies undertaken, and the safety and emergency systems in place to manage facility risks. Implementation of procedures and systems as described in the Safety Cases ensure the continued safety of personnel.

The Safety Cases reflect the state of safety arrangements for a facility, and demonstrate the following:

- Rig hazards have been identified and are being managed to As Low as Reasonably Practicable (ALARP)
- Systems are in place for monitoring and reviewing hazards; and for risk management

IRC applied a modular approach for the Seadrill MODU Safety Cases in order to ensure consistency, ease of use, and a reduced overall cost.



Key Benefits to Client

- Multiple MODU Safety Cases were provided to Seadrill on a timely basis, at least three months prior to rig delivery from the shipyard
- Safety Cases were delivered with full compliance to IADC guidelines for management of hazards on each MODU
- Modular approach for the multiple Safety Cases provided for a reduced overall cost to Seadrill, and ensured consistent results for ease of use by a wide audience