

Announcement

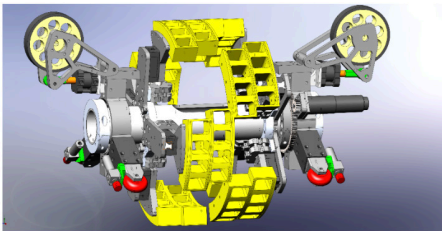
DrillCERT: Continuous Riser Certification

Risers always ready to drill, reducing
Total Cost of Ownership

Applications and benefits

DrillCERT is a global, continuous API certification program for marine drilling risers. Based on condition-based inspection methodology, the calendar based 5-year inspection interval can often be extended up to a 12-year interval.

DrillCERT was developed through a comprehensive combination of offshore inspection technologies and 3rd party approved API 579 analytical techniques from Merton Riser that are approved by DNV GL. The various technologies were brought together with guidance from Baker Hughes' riser experts. It provides customers with the ability to have their riser string always ready to be picked up and deployed. Along with certification status, 24-7 access to other key data (such as riser availability, condition, electronic copies of COS, etc.) is only a few clicks away.



Inspection Tool (example)

Implementation

DrillCERT categorizes riser joints into two primary usage groups: Active & Preserved. Customers determine the percentage of active vs. preserved joints each year to set benchmark pricing. Logistics, personnel travel, work in non-GOM locations incur additional charges.

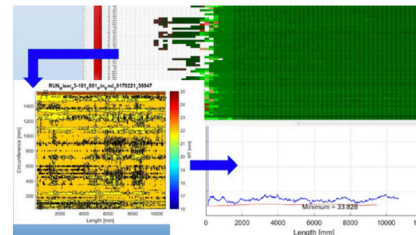
Baker Hughes collects and enters riser usage and manufacturing data into the CBM analytical model.

Rig operational and data sources include:

- Environmental Data
- Data Books
- Riser operations data
- Manufacturing data
- Inspection data (can be done anywhere, including offshore)

Key features

- Reduced Total Cost of Ownership
- Offshore Inspection & Recertification
- Web accessible asset management system
- RFID tagging of all riser joints in the program
- Buoyancy inspection
- Pin buffing and polishing
- Annual visual inspections
- Baseline inspections (wall thickness and weld integrity of main tube, corrosion assessment of aux lines)
- Riser joint condition assessments for all inducted joints
- COS (Certificate of Service) issuance
- DNV GL approved inspection tools & engineering methodology
- Compliant with API STD 53 and API RP 16Q



In-Time Data Acquisition & Processing (example)

Historical and recent inspections are conducted globally at customer's offshore rigs, shore based facilities, or 3rd party site. Riser dispositions are delivered to customers for their action. Riser joints requiring repair or remanufacture are coordinated by the customer and tracked through the DrillCERT program. Certifications are issued at the end of the annual review cycle, where each riser joint receives a Baker Hughes COS.