

Rig Inspection Service



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An aerial night-time photograph of an offshore oil rig. The rig is illuminated with various lights, including yellow and blue. A large red crane is visible on the left side. In the bottom right corner, there is a helipad with a large 'H' in the center, surrounded by a yellow border. The numbers '9.3t' and '22' are visible on the helipad's perimeter. The background is dark, suggesting the rig is in the middle of the ocean.

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Fit-For-Purpose Rig Inspection A Method of Cost Saving

Safety and Cost are two fundamentals for every company working in the oil and gas industry.

The oil and gas industry potentially is one of the most hazardous industry sectors. The combination of powerful equipment, flammable chemicals, and processes that are under high pressure can lead to hazardous and even deadly incidents. That's why all managers, supervisors, and workers need to identify and communicate recommended safety controls and hazards that exist on each work site before work begins.



“

GETS has implemented a unique proposal for drilling contractors and oil operators which not only reduces their cost but also, they can benefit from improved HSE results. ”

Also, operators in the oil and gas industry need to reduce their costs to remain competitive and maximize economic recovery.

GETS' challenge for operators is to reduce costs while improving safety and production efficiency.

Adopting the right cost reduction strategy now is key to survival and growth. Most companies are recently cutting their planned projects and budgets. This is called cost avoidance and this is a wrong cost reduction strategy.

RIG CONDITION ASSESSMENT

DEFENITION

Rig condition assessment provides adequate information about the condition of the rig. This is a survey normally carried out in a range of 7 to 30 days, based on the width and depth of inspections performed. The range of inspections also differs on a case-by-case basis. A minimal rig assessment survey will include corrosion monitoring, structural integrity, and CLASS requirements. A more thorough inspection will go into design optimization and improvement also and will take longer.



RIG CONDITION ASSESSMENT

BENEFITS

The main benefit rig assessment provides, is the information about the condition of the rig. This information can be processed to provide knowledge and improvement/mitigation possibilities. The other thing is the option for reducing costs, either in maintenance or HSE related. Downtimes and NPTs cost a lot and as the oil price is again high, every day lost is money lost. Assessment provides the option to improve maintenance and reduce downtimes.



OUR SERVICE ADVANTAGES

1. IN COMMISSIONING PHASE

With complete and thorough tests and inspections, we can ensure our clients that the drilling unit which is going to be hired meets their rental contract terms and specifications or not. Also, function testing, pressure testing, load testing, and insulation resistance checks for all critical equipment onboard the drilling unit, as applicable, will be conducted accompanied by a check that the proper safety devices are installed and are working correctly.



OUR SERVICE ADVANTAGES

2. WHEN GOING FOR A 5-YEAR OVERHAUL

When a drilling rig is supposed to go for overhaul, it means it not only loses its rental revenue but also it will need significant expenditure for this overhaul. With our service, rig owners will receive a “Scope of Maintenance”. This will help them reduce the time in dry duck significantly. Also, the report will reduce the cost of maintenance by focusing on items that need maintenance only. The final result is the drilling unit going back to service and earning money sooner.



OUR SERVICE ADVANTAGES

3. WHILE DRILLING UNIT IS ACTIVE

This inspection will cover an in-depth survey of the state of maintenance of the rig. It includes an inspection of all safety-critical elements of the installation and all equipment that could be anticipated to cause operational downtime when a mechanical failure of that equipment occurs.

We deliver an in-depth, risk-based technical report to equip you with a comprehensive evaluation of the condition and operability of equipment and systems.



OUR SERVICE ADVANTAGES

Our reference point is always the same: to pinpoint defective, faulty, or malfunctioning equipment or systems – and in the process help to avert potential threats to personnel, the environment, or your operations.

This will alert drilling managers for defect elements that are likely to impose downtime for them! So managers can plan for on-time maintenance to prevent any unwanted downtime for their companies.



OUR INSPECTION SERVICES

- Specialist Surveys
- Routine Based Inspection Services
- Risk-Based Inspection Services
- Dropped-objects survey
- Full rig condition survey
- Rig Selection Services
- Rig Inspection and Assurance Services
- Rig Acceptance & Safety Surveys
- Overall marine condition and compliance to MODU code requirement
- Class status and overdue actions
- Safety equipment
- Maintenance system



OUR INSPECTION SERVICES

- Main & Auxiliary equipment :
 - Marine equipment
 - Jack up legs and jacking system
 - living quarter and all related utilities
 - Machinery room, generators, electrical room, and all related ESD, E&I systems
 - DP Systems
 - Hull, decks, void spaces, ballasts, tanks Mud systems
 - Cranes & Hoisting Systems
 - Marine and Safety equipment
 - Drilling equipment
 - BOP and well control equipment
 - Electrical equipment and systems



RIG CONDITION ASSESSMENT BASIC STAGES

IDENTIFYING: Identify equipment and systems to be audited,

REVIEWING: Examine equipment and systems documentation to ensure compliance

INSPECTION: equipment and systems inspection to check regulatory compliance

TESTING: a functional test of equipment to verify operability

REPORTING: provide a report upon the findings from the previous steps



OUR INSPECTION PROCEDURE

Rig Inspections will be conducted using our guideline procedure, which includes testing of all equipment and systems to verify their condition and performance:

- Intrusive inspections of the internal parts of specific equipment including critical measurements and clearance to ensure equipment is running within recommended tolerances.
- Function testing, pressure testing, load testing, and insulation resistance checks for all critical equipment on the drilling unit, as required.
- Verifying that the proper safety devices are installed correctly, testing that these are correctly functioning and are correctly calibrated to prevent equipment damage and accidents.
- Verifying that the rig equipment complies with API standards, the equipment manufacturer's specifications, recommendations, and good engineering practices.
- Verifying that the rig complies with the contractual requirements as provided by client.





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