



FACT SHEET

DEEVIEW^{3D}

Enhanced Inspection. Smarter Decisions.

Providing an in-depth view of asset condition while setting the new standard for condition-based monitoring



What is Intertek DeepView^{3D}?

Intertek's most advanced and sustainable 3D inspection technology combines robotics, laser scanning, and advanced NDT for optimal condition-based maintenance and the development of digital twin programs.

Our DeepView^{3D} precise inspection methodology determines the current state of a physical asset to support decisions in situ and real time.

Our clients are implementing the DeepView^{3D} solution as part of their CBM (Condition Based Maintenance) program where, over time, they could move away from a time-based maintenance philosophy and transition to schedule "on-condition" maintenance activities suitable for predictive analysis.

Scopes could include inspections of drilling systems, drawworks, mud pumps, top drives, risers, BOPs, tubulars, elastomers and other components.

Why is DeepView^{3D} needed?

In the complex world of offshore oil and gas exploration and production, stakeholders are continually striving to ensure economic production levels, asset reliability, safety, sustainability and compliance all while endeavoring to drive down operating costs.

Intertek's advanced technologies and industry-leading professionals can help you overcome challenges such as:

- Ageing equipment
- Availability and dependability of equipment and spares
- Increased equipment complexity
- Anticipation and mitigation of asset failures ahead of the potential failure curve
- Time and costs to meet regulatory and industry requirements

What are the benefits?

The DeepView^{3D} process provides a range of benefits for OEM's, drilling contractors and operators alike.

Through accurate data capture and interpretation our pioneering condition-based maintenance inspection methodology delivers these benefits and more.

- On-deck condition and integrity assessments
- Enhanced equipment safety and reliability
- Meeting regulatory requirements
- Auditable digital records of equipment condition
- Asset condition tracking and comparisons over time
- Reductions in costs, time and manpower

- HSE improvements
- Big data capture and analysis
- Support for fitness-for-service and remaining useful life (RUL) decisions
- Digital documentation of baseline equipment condition

Inspection and maintenance programs are key to providing a safer work environment. Precise digital mechanical integrity data can give drilling contractors, OEMs and operators, the detailed and accurate data they need to improve equipment performance, safety and efficiency to gain a competitive edge.

FOR MORE INFORMATION



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