The DrillASSURE riser management system utilises real-time software in conjunction with inputs from sensors on the topside vessel, the BOP/LMRP stack and along the length of the riser, to provide a fully integrated solution to optimise drilling operations and improve safety.

**The system at a glance**
- Displays all relevant parameters on one easy-to-view screen
- Displays real-time operation limits based on measured parameters
- Raises an alarm if measurements exceed limits
- Optimises vessel positioning and joint inspection
- Analyses and interprets fatigue and vortex-induced vibration

DrillASSURE can be interfaced with the drilling vessel’s dynamic positioning or mooring system or as a standalone advisory system. If real-time data is required, this can be provided to the topside data acquisition system via an acoustic receiver or an existing electrical umbilical system.

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Do you know the environmental impact on your equipment?
Our metocean sensors combined with our vessel and riser accelerometers can determine the reason for any movement of your vessel and/or riser system.

Do you know the fatigue history of your riser stack-up?
Our asset management software helps you understand the fatigue life of every joint in your drilling riser.

Is VIV causing excessive downtime?
Our system monitors for the effects of VIV, helping you to reduce the impact on your riser and maximise your safe operating window.

Do you know the integrity of your conductor?
Our sensors help you to understand the fatigue loading on the wellhead and conductor as a result of riser motion and BOP displacement.
DrillASSURE is a complete riser management system, incorporating asset management with real-time integrity monitoring of drilling risers and subsea wells. A combination of hardware, software and analytical tools, DrillASSURE provides critical information that supports day-to-day drilling operations and longer-term integrity management. Cost-efficient decisions can be made with confidence and risks successfully managed in ever-challenging environments.

**How can it benefit you?**

- **Improves safety** – DrillASSURE provides the information to improve decision making. This helps to reduce the number of unplanned incidents as well as maximising the time available in an emergency disconnect situation.

- **Increases productivity** – By optimising the vessel position, increasing operating windows, enabling longer drilling operations and giving confidence to drill during high currents with less risk of vortex-induced vibration, the system enables greater productivity.

- **Longer lifetime** – Reduced stress and wear on critical riser, wellhead and conductor components, as well as a better understanding of stress and fatigue through accurate modelling based on real-time measurements, means increased longevity.

- **Greater security** – With DrillASSURE’s asset management tracking software you can accurately measure and understand the usage and fatigue life of every component in your drilling riser.

- **A swift responsive service** – Pulse has a global network of operations and support staff to support your operations anywhere in the world, 24 hours a day, 7 days a week.

As the search for oil and gas extends into deeper and more difficult environments, the safety, ecological and technical challenges posed by drilling operations have become even greater. Pulse, continuing its legacy of pioneering monitoring systems, has a solution: DrillASSURE riser management system.

**What is DrillASSURE?**

DrillASSURE is a complete riser management system, incorporating asset management with real-time integrity monitoring of drilling risers and subsea wells.

**About Pulse**

When it comes to subsea structural monitoring applications, Pulse is the most experienced company in the world with a proven track record of technical excellence.

Having evolved out of 2H Offshore, we have an in-depth understanding of subsea structures and have built up unrivalled levels of experience over the past 15 years. Monitoring is our sole focus – we take pride in delivering pioneering solutions with integrity all over the world. Our standards for safety and reliability are second to none.

**Why choose Pulse?**

- More than 15 years’ experience
- Over 350 systems supplied
- 500+ subsea deployments
- 12,000ft deployment depths
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