

Offshore & Subsea

Solutions for Increasing Production and Efficiency



Efficient Measuring in Offshore Applications

Platforms and components for extracting oil and gas in offshore applications are exposed to extreme loads. Monitoring offshore components such as riser pipes, cranes, foundation structures, pipelines, pumps, and transport vehicles makes it possible to prevent damage by detecting it early, thereby lowering long term costs.

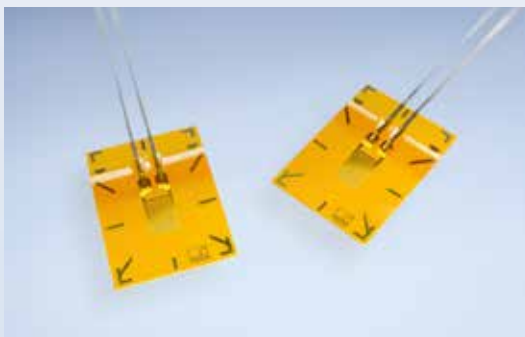
HBM offers you turnkey solutions for offshore applications with a wide product range such as strain gauges, load cells, load pins, force sensors, data acquisition systems, analysis software and much more. Save development time by validating finite element calculations and avoid system failure through short-term and long-term monitoring of your structures.



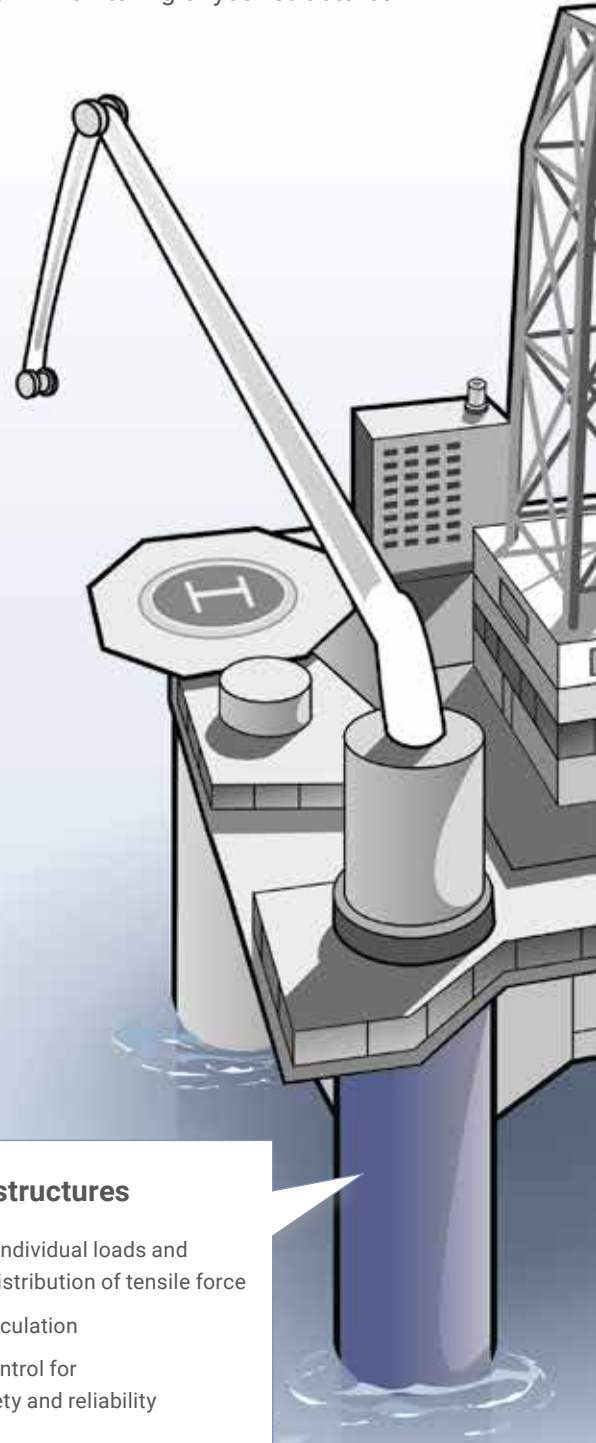
Custom Load Pins



Data acquisition systems



Strain gauges



Foundation structures

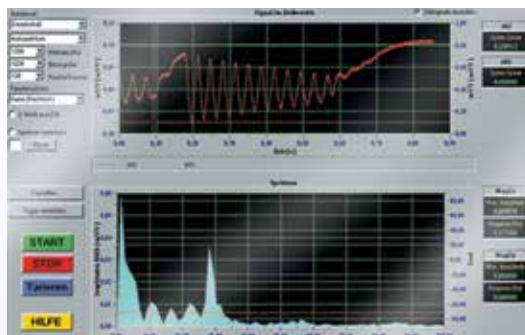
- Monitoring of individual loads and symmetrical distribution of tensile force
- Service life calculation
- Continuous control for maximum safety and reliability

Riser lines and drill pipes

- Limit value monitoring
- Service life optimization
- Monitoring hardware performance
- Monitoring of well conditions to ensure safe operation
- Force measurement hardware integrated into downhole tooling for various applications



Pancake load cells & force sensors



Software solutions



Rod end load cells

Cranes

- Weighing function
- Peak load monitoring and center of gravity determination
- Accurate and secure positioning of crane legs
- Efficient control of elevator engines
- Measurements of hook load, weight and line tension for overload protection
- Monitoring to ensure crane operation is within safety parameters

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measure and predict with confidence

