



For over 30 years, Strainstall UK Ltd have been providing the Oil & Gas Industry with an extensive range of load, stress and strain monitoring products and services.

The company's products range from simple load cells, shackles and indicators to major turnkey integrated projects utilising the latest data transmission and computer technology. Between these extremes are products such as CraneSafe Load Indicators, tanker mooring load monitoring systems, WinchSafe winch monitoring and StressAlert hull stress monitoring. All of these systems are offered both as Intrinsically Safe for hazardous applications, and as standard for 'safe area' conditions. Both original equipment and retrofit systems are available.

Strainstall not only provide standard 'off the shelf' equipment, but also a design service catering for the specific individual requirements of clients. The design skills of Strainstall's highly competent engineering team are matched with that vital element of lateral thinking that can make the difference between success and failure.

An on-site structural monitoring analysis service operated by an experienced offshore-trained field operations team is also provided, offering a complete service from design through to installation and analysis.

Past projects include:

- Design and installation of subsea monitoring systems for sea depths to 3000m, using pressure compensated load cells.
- Strain gauges to monitor riser axial loads at the BOP indicating when riser disconnection has occurred.
- Supply of a structural monitoring system to assess fatigue damage in offshore steelwork design and supply of a 3000 tonnes capacity load cell for use in testing of chains and wire ropes.

Whatever the size of application, from a few strain gauges to multi-channel dynamic data acquisition systems, Strainstall will provide the products and services required with a minimum of fuss.

Strainstall's team of experienced engineers operate from offices in Cowes, Bath and Aberdeen (UK), Norway, Belgium, USA and Dubai.

**The World of Load
Measurement and
Stress Analysis**

- **Structural Monitoring**
- **Load Cells & Shackles**
- **Strain Gauge Installation**
- **Intrinsically Safe Instrumentation**
- **Stress Analysis**
- **Data Acquisition Systems**
- **Crane Overload & Weighing Systems**
- **Linear Displacement Transducers**
- **Rotational Potentiometers**
- **Inclinometers**
- **Temperature Sensors**

Strainstall UK Ltd
9-10 Mariners Way
Cowes
Isle of Wight
PO31 8PD

Tel: +44 (0)1983 203600
Fax: +44 (0)1983 291335
Email: sales@strainstall.com
Website: www.strainstall.com



FM 12408

Application Note: FO100