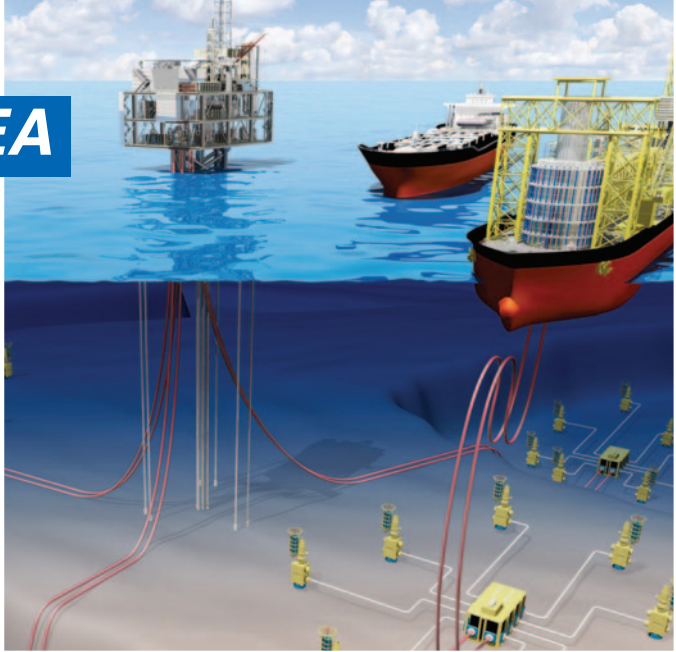


SUBSEA



stellartech.com



Pressure, Load/Force/Torque, Displacement, and Temperature Sensors

SubSea Solutions



Pressure Sensors

- Pressure Ranges From 1 to 100,000 psi
- Absolute, Gage, Differential, Vacuum, Barometric
- All Welded Stainless Steel, Inconel/Hastelloy/Monel
- Accuracies to 0.05% of Full Scale Output
- Designs Submersible to 12,000 ft. Seawater
- ATEX, CSA, ABS Certifications
- Analog and Digital Outputs (Including CANbus/MODbus)
- Custom Engineering Specials
- Proven Field Reliability

Load Cells, Force Sensors, Reaction Torque Sensors

- Load Ranges From 10 lbf to 2 million lbf
- Tension, Compression, Tension & Compression
- All Welded Stainless Steel and Specialty Metals
- Comprehension Selection of Configurations and Sizes
- Designs Submersible to 12,000 ft. Seawater
- Analog and Digital Outputs (Including CANbus/MODbus)
- Application Specific Special Designs
- ATEX, CSA Certifications
- Proven Application Reliability

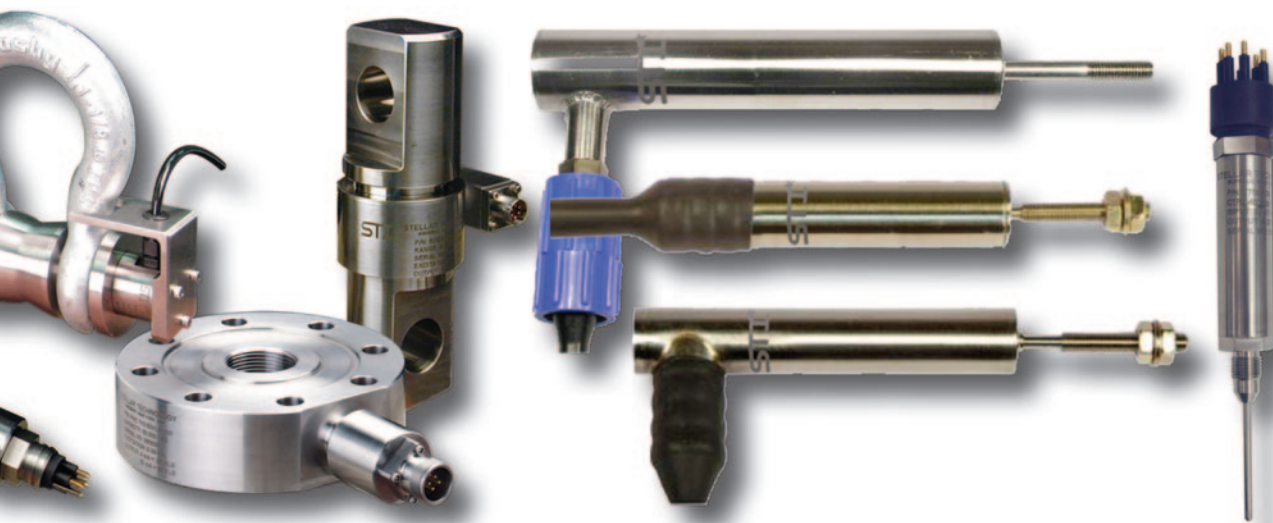


Our Specialty...
**CUSTOM
ENGINEERING**

Sensors for Oil and Gas Applications

Stellar Technology designs and manufactures a complete line of pressure, load/force, temperature, torque, and displacement sensors for subsea, offshore, and onshore test, measurement, and control applications. Stellar Technology's engineering expertise, proven designs, field experience, and manufacturing capabilities provide customers with high reliability sensor application-solutions with both existing products and modified and/or custom-engineered products. From sensors for AUV and ROV applications to tension-link monitoring systems to enhanced oil recovery systems, Stellar Technology sensors provide added value for our customers.

SubSea Solutions

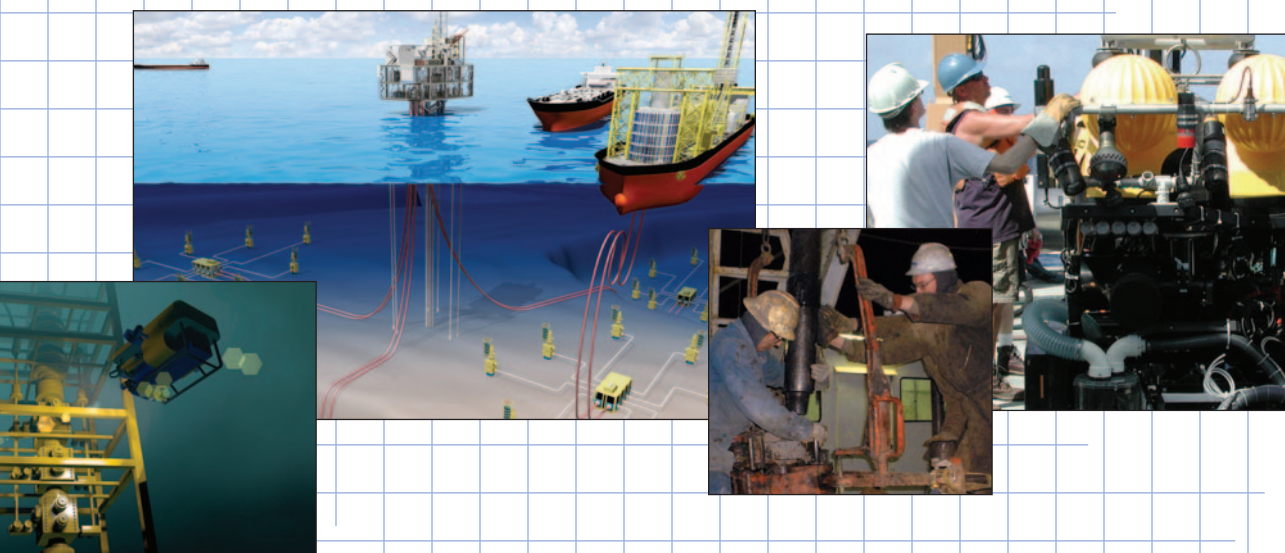


LVDT Displacement Sensors

- Stroke Ranges from ± 0.5 in. to ± 4 in.
- Free, Unguided Armature
- All Welded Stainless Steel
- AC and DC Versions
- 1% Linearity
- Designs Submersible to 7,500 ft. Seawater
- Designed to Overcome Marine Growth Problems

Temperature Transducers and Transmitters

- Temperature Ranges From - 320°F to +800°F
- Customer Specified Probe Lengths
- No Thermo Well Required
- All Welded Stainless Steel and Specialty Metals
- Dual Temperature and Pressure Configurations
- Designs Submersible to 12,000 ft. Seawater
- Analog and Digital Outputs (Including CANbus/MODbus)
- Intrinsically Safe Versions



- Increased oil recovery systems
- Subsea separation and re-injection systems
- Instrumented safety systems
- AUV/ROV position, pressure, force, and torque measurements
- HP/HT tree and wellhead monitoring and control
- Underbalance drilling measurement and controls
- MWD and LWD pressure measurements

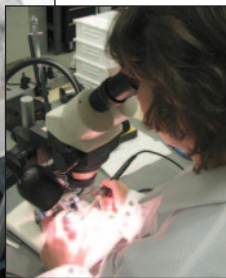
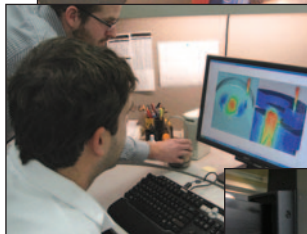
- Well intervention and well stimulation systems
- Nitrogen generation skids
- Marine loading systems
- Pipeline asset integrity monitoring and control
- Oceanographic mapping and towing arrays
- Subsea manifolds and tie-ins
- Subsea separation, boosting, and processing systems
- Tension link force monitoring
- Hazardous environment measurements
- Kill and choke manifold monitoring
- Subsea fluid control systems

Call: 716.250.1900



Capabilities

Stellar Technology designs and manufactures a comprehensive offering of pressure transducers/transmitters, load cells, force sensors, torque transducers, temperature transmitters, and displacement sensors used in test and measurement applications across a wide range of industry sectors including aerospace, oil and gas, marine/oceanographic, automotive, medical, industrial automation, geophysical, power generation and many more.



Why Stellar Technology? What causes specialists to choose Stellar Technology sensors for their application solutions?

One word: Capabilities.

Stellar Technology combines sales capabilities, engineering capabilities, manufacturing capabilities, and service/support capabilities into one focused business objective:

Provide the customer with the optimum sensor solution.

Sales Capabilities:

- Experienced technical sales professional located in your area
- Direct link to Stellar Technology's design engineers
- Knowledgeable inside sales engineers
- Complete pre-sales application review process
- Facilitate technical Lunch & Learns at customer's site

Engineering Capabilities:

- Design engineers with years of practical sensor application experience
- Specialists in mechanical, electronic, and software design
- Innovative design and simulation tools
- ISO9001 registered documentation and control
- Work directly with customer's engineers
- Creative solution providers

Manufacturing Capabilities:

- Complete vertical integration (raw material through final calibration)
- 18 CNC machines (up to 8-axis)
- Wire and probe EDM machining
- Laser and TIG welding
- Ultrasonic cleaning
- Micro assembly
- Automated pressure compensation and calibration
- 5 load cell calibration systems (to 600,000 lbf)
- 1,000,000 inch-lbf reaction torque calibrator
- High-reliability/traceability assembly and test area
- Comprehensive inventory of raw materials
- Finished goods inventory programs (standard and customer-specific)

Service/Support Capabilities:

- Complete repair and recalibration (including other manufacturers)
- Rapid-response on-site technical field support
- Ready access to regional sales offices
- Order status and expediting
- Direct access to Stellar Technology's design engineers
- 24 hour web access to technical manuals

Your Application-Solution SourceSM



ISO 9001/AS9100

Due to the nature of technology, changes are inevitable. For latest technical specifications, see our website.

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