

OIL & GAS



STELLAR TECHNOLOGY
INCORPORATED

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

stellartech.com

Oil & Gas 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, for Intrinsically Safe and Explosion Proof
- Analog and Digital Outputs Including CANbus, J1939, CANopen, MODbus, RS232, RS485
- Custom Engineered 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
- Comprehensive Selection of Configurations and Sizes
- Designs Submersible to 12,000 ft. Seawater
- Analog and Digital Outputs Including CANbus, J1939, CANopen, MODbus, RS232, RS485
- Application-Specific Special Designs
- ATEX, CSA, for Intrinsically Safe and Explosion Proof
- Proven Application Reliability



Our Specialty...
**CUSTOM
ENGINEERING**

Sensors for Upstream Oil and Gas Applications

Stellar Technology designs and manufactures a comprehensive offering of test and measurement sensors for upstream oil and gas application solutions. STI's pressure transducers, pressure transmitters, load cells, force sensors, torque sensors, temperature transducers, displacement transducers and signal conditioners, represents a depth and breadth of products unmatched in our industry. From off-the-shelf products to custom-engineered sensor solutions, STI's combination of knowledgeable sales personnel, engineering design expertise, and manufacturing capabilities, excels in providing maximum value for our customers—sensor application solutions vital for productivity, reliability, and safety.

Oil & Gas Solutions



LVDT Displacement Sensors

- Stroke Ranges From ± 0.02 in. to ± 18.5 in.
- Free, Unguided Armature
- All Welded Stainless Steel
- AC and DC Versions
- Linearity to 0.25%
- Designs Submersible to 7,500 ft.
- 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
- ATEX, CSA, for Intrinsically Safe and Explosion Proof
- Analog and Digital Outputs Including CANbus, J1939, CANopen, MODbus, RS232, RS485



Upstream Oil and Gas Sensors for:

- Well intervention and well stimulation equipment
- Drilling rigs/workover rigs
- HP/HT tree and wellhead monitoring
- Coiled tubing injectors
- Underbalanced drilling measurement & controls
- Increased oil recovery systems
- Pump-Off-Control monitoring
- AUV/ROV measurement systems
- Mast weight and hook loads
- Gas custody transfer instrumentation
- Triplex and quinx pumps
- Wireline/slickline tension for downhole tools
- Choke and kill manifold monitoring
- Gas panels and controls
- MWD/LWD tools
- Valve positioning
- Drilling mud systems
- Automated torque tongs/power tongs
- Tension link monitoring systems
- Nitrogen generation systems
- Decanting centrifuges
- Components and materials testing
- Marine loading equipment

Call: **716.250.1900**



Intrinsically Safe Class I, Div 1, Groups ABCD
Explosion Proof Class I, Div 1, Groups ABCD

ABS DNV



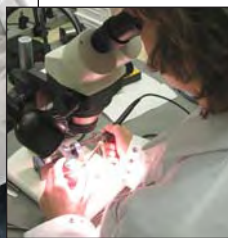
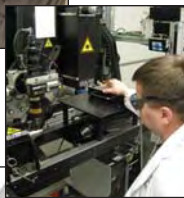
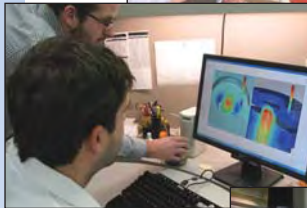
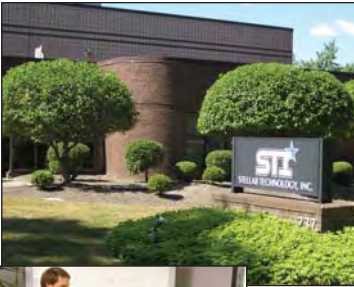
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Flameproof II 1 G EEx d IIC T5

ATEX CE



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 oil and gas, marine/oceanographic, aerospace, automotive, medical, industrial automation, geophysical, power generation and many more.



Why Stellar Technology? What causes customers to choose Stellar Technology for their off-shore and on-shore oil and gas sensor 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 professionals located in your area
- Direct link to STI 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:

- Experienced sensor production personnel
- 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
- Hydrostatic testing to 7500 PSI / 12 inch O.D.
- 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 calibration (including non-STI manufacturers)
- Rapid-response on-site technical field support
- Ready access to regional sales offices
- Order status and expediting
- Direct access to STI's design engineers
- 24 hour web access to technical manuals

Your Application-Solution SourceSM

ISO 9001



Find More Information at:
stellartech.com

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

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