

GLOBAL.
SENSOR.
EXCELLENCE.

CUSTOMIZED SOLUTIONS FROM STS -
YOUR PARTNER FOR DEMANDING TESTS IN
PRESSURE MEASUREMENT



ACCURATE MEASUREMENTS FOR A WIDE RANGE OF MACHINERY



We offer you:

- cost-effective custom-made products in the shortest possible time
- close collaboration with customers, partners and suppliers
- international contacts
- technological, innovative solutions
- professional lifecycle management

In the development of new, state-of-the-art machinery, precision testing is required to deliver reliable results. It is necessary to determine possible weaknesses and potential problems at an early stage of the design to gain efficiencies in the long term. Technology at the highest level is essential in this context.

Whether pneumatic or hydraulic control systems, filter, pump and level monitoring or safety applications, the requirements for the measuring sensors vary from one task to another. However, the demands on the quality of the measurement results should never be compromised. This is why solutions are needed that have been specifically developed for the particular application or can be flexibly adapted to new challenges based on modular design.

STS has been successfully working in the development and production of customer-specific pressure measuring systems for three decades. As a specialist for the fulfillment of individual customer requirements, our piezoresistive sensors are used in automotive test stands, prototypes, test equipment for high-performance machines as well as in the medical field.

Flexible measurement solutions at high quality

For us to offer you the absolute best results for your specific measurement tasks, we work very close with you the customer, our partners and suppliers including visits to you and at the application.

Initially it is important before the design of the prototype that you provide us with the measurement requirements. We will get back to you quickly with our initial ideas.

Of course there may be situations which are not covered by our standard design. However, STS generally has the ability to modify and develop solutions for all situations.



OIL EXPLORATION AND PROCESSING

The drilling, pumping, routing, processing and storage of oil often occurs under extremely difficult and complex conditions. The failure of a single component can quickly lead to long and costly repairs. Reliable and long-term stable solutions that meet individual requirements are therefore indispensable. Our sensors for static pressure measurement are the answer to such challenging technical applications.

Reliable long - term solutions for the entire production process

Oil drilling and refineries have very high visibility with respect to the environment and safety, especially in the offshore sector where the requirements are even higher. In particular where there are low petroleum deposits, the pressure rises to 1500 psi (1100 bar). Even large temperature ranges from only a few degrees above zero to temperatures well above 212°F (100°C) are a challenge that the instruments have to withstand. Our pressure sensors have been successfully used for many years under these demanding conditions. They are recommended for wide temperature and pressure ranges and show great resistance against sea water and the potential vibrations due to drilling.

STS has proven itself as a reliable partner, particularly in the field of offshore drilling. Our instruments are used because of their high precision, reliability and long-term stability. You can count on solutions that are customized to meet individual requirements: you send us your project specifications and we will respond with a custom engineered product to suit the challenges within a very short time. We work closely with you throughout the entire development process. You will get a measurement solution that you can rely on.



Our products are installed in subsea control modules and are used in subsea drilling applications.

Profit from:

- special designs according to your specifications
- fast reaction times
- numerous certifications according to segment-specific specifications
- optimal price-performance ratio over the entire life cycle

CUSTOM-SPECIFIC MEASURING SOLUTIONS FOR APPLICATIONS IN GAS



Where highly flammable gases are involved the human and environmental safety are extremely important. The often extreme operating conditions in the gas industry make the need for explosion suppression indispensable. In order to ensure the safe and efficient operation of these systems, high-precision pressure transmitters that you can rely on are needed. The smallest leak can ultimately cause major economic damage.

In order to detect leaks at an early stage and to reduce losses to an absolute minimum, it is important to reliably monitor the gas pressure. STS is the first choice for pressure measurement in the municipal distribution of gas, and for many years our sensors have been used in gas pressure regulators, residual gas pressure regulators and gas meters.

Thanks to our many years of hands-on experience, we can help you find the right solution for your measurements. Be it the right choice from our portfolio of several hundred solutions or new, innovative approaches that we develop and implement together according to your requirements.



Piezoresistive silicon pressure sensors combined with polynomial compensation techniques are the heart of our sensors. These extremely accurate measuring cells provide the precision measurement required in the overall system.

For you we are:

- reliable and trustworthy
- service-oriented and responsive
- satisfaction from design to production
- competitive Price and Delivery

STS: TECHNOLOGY FROM ENGINEERS FOR ENGINEERS

Where standard products fail, STS helps with customer-specific solutions. From design to delivery: in close collaboration with our customers, we develop high-quality sensor products that can easily handle individual measurement tasks. A prerequisite for this is a thorough understanding of the individual problems and requirements. Thanks to our many years of experience in the development of customized solutions for industry and water management, we are able to develop simple designs to meet even the most complex requirements.

Working in partnership with you we develop a concept for the project to satisfy the specific measurement task. Both the design and the dimensions are created together with you in accordance with the requirements. Production starts when the solution is finalized and agreed by you. However, the cooperation does not end with the completion of the product: we provide technical support over the entire lifetime of the product. This will give you long-term stable solutions that you can rely on.



In the development of measurement systems, we are always following a modular approach in order to offer our partners a great deal of flexibility. Thanks to the modular design principle, our solutions can also be easily integrated into existing systems. We are always available for inquiries: here, our priorities are speed, competence and simplicity.

Our success is proven. With nearly three decades of experience, we

have established ourselves as a leading provider of customized, modular pressure measurement sensors. Our customers value the expertise and the service orientation of our employees in the development of suitable solutions. Clearly, STS develops measuring technology from Engineers for Engineers.

For 30 years your reliable partner for demanding pressure measurements and applications

Since 1987 the STS Group has been developing, producing and marketing customer-specific pressure measurement products. The extensive product portfolio includes high-quality pressure transmitters, transducers, sensors, level probes and data loggers for a variety of applications in industry and water management.

As a development-oriented manufacturer, a considerable part of our resources is spent on the research and development of new innovations. The focus is on the close, partnership-based cooperation with our customers. Thanks to our in-depth expertise and many years of experience in the development of individual measurement solutions, we are able to realize projects reliably in a short time and cost-effectively.

After more than a quarter of a century, STS is a leading manufacturer of piezo-resistive sensors with a global presence. Whether Europe, Asia or North America: Our customers can rely on personal advice with fast reaction times.

We for you:



Our employees understand your business and your challenges.

We work with you to develop solutions that meet your exact requirements.



We offer a single modular design providing thousands of solutions.



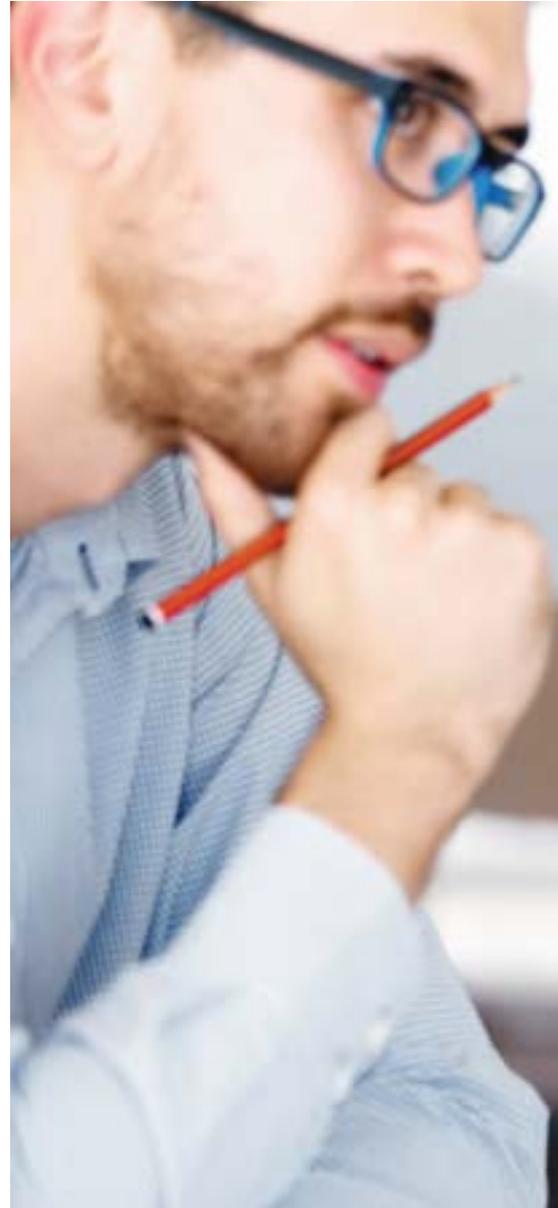
You benefit from decades of experience and our technical knowledge.



The basis of all solutions is an exceptionally stable and accurate core technology.

We support you from initial design and planning through the product life cycle.





STS Sensor Technik Sirnach AG
Rüthhofstrasse 8
8370 Sirnach | Switzerland
Phone: +41 71 969 49 29

STS Great Britain Ltd.
Box 3942 | Warwick
CV34 9AE | United Kingdom
Phone: +44 844 809 9927

STS Sensor Technology (Shanghai) Co. Ltd
Room 2603-2606 | North Building, Fortune
108 Square | Lane 1839 | Qixin Road
Minhang District | Shanghai | China
Phone: +86 21 33 88 56 93

STS Italia s.r.l.
Via Lambro 36
20090 Opera (Milano) | Italy
Phone: +39 2 87 21 51 44

STS Sensoren
Transmitter Systeme GmbH
Poststrasse 7
71063 Sindelfingen | Germany
Phone: +49 7031 204 9410

STS Sensors North America
PMC Engineering LLC
11 Old Sugar Hollow Road
Danbury, CT 06810
Phone: +1 203 792-8686

STS France
844, Route de la Caille
74350 Allonzier la Caille | France
Phone: +33 450 08 48 15