



 KELLER

COMPANY

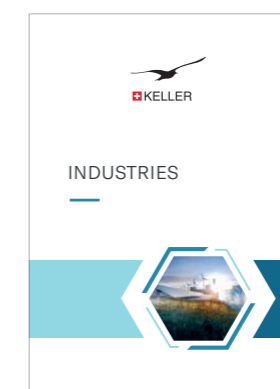
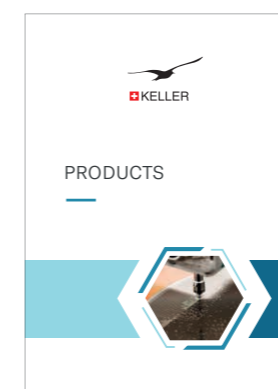




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MORE BROCHURES



KELLER PRESSURE. MORE THAN JUST A COMPANY.

The name KELLER Pressure is synonymous with high-precision pressure measurement technology. Our father laid the foundations for the reputation we enjoy today when he founded the company in 1974. Our company has been constantly developing ever since. Now, with half a century of valuable experience, we are more dependable, more competent and more dynamic than ever.

Life means development. It means constantly adjusting to ever-changing circumstances. Take the march of digitalisation, for example, which requires constant adaptation, including in our sector. In addition to focussing on optimising production processes, we are investing substantially in further developing our high-quality products and are heavily occupied with topics such as Industry 4.0 and the Internet of Things.

More than just a production company. We consider ourselves to be more than just a manufacturer of market-leading products. We see ourselves as part of something bigger where each individual employee has a valuable contribution to make regardless of «rank» and «title».

Our motto: all honest and useful work is good work. It contributes to personal development, provided the person is prepared to learn something new every day and pursue inner growth. We encourage and support independent thought and action. Flat hierarchies, mutual respect and appreciative cooperation are also deeply rooted values in our company culture.

The world seems more complex than ever before. We are convinced that the most meaningful way of confronting this complexity is to value the uniqueness of each individual's feelings, thoughts and actions. This allows us develop solutions together in broad consensus with a view to our company's sustainable development.

Together we are stronger. As a company, we are part of society. We co-exist with the city of Winterthur. It provides us with a solid foundation on which we develop something new every day. We are grateful for this and, to close the cycle, we give back to the region and society by participating in sporting, social and cultural events.




Tobias Keller




Michael Keller

MORE THAN JUST A COMPANY

KELLER PRESSURE – YOUR SWISS PRESSURE SENSING SPECIALIST

A market leader in the production of isolated pressure transducers and transmitters.



KELLER Pressure was established in 1974 by Hannes W. Keller, the inventor of the integrated silicon measuring cell. Today, his sons Tobias and Michael Keller run the business. The company is wholly family-owned and employs 500 staff from over 20 nations.

KELLER Pressure feels a strong connection to its home of Switzerland. Its headquarters are where the value is added and where most of our employees work. All products bear a quality seal that stands for «Swiss Made», among other things, which is associated with expertise, quality, tradition and being grounded approach all across the world. These are the core values as a business – values embodied by the company and its products.

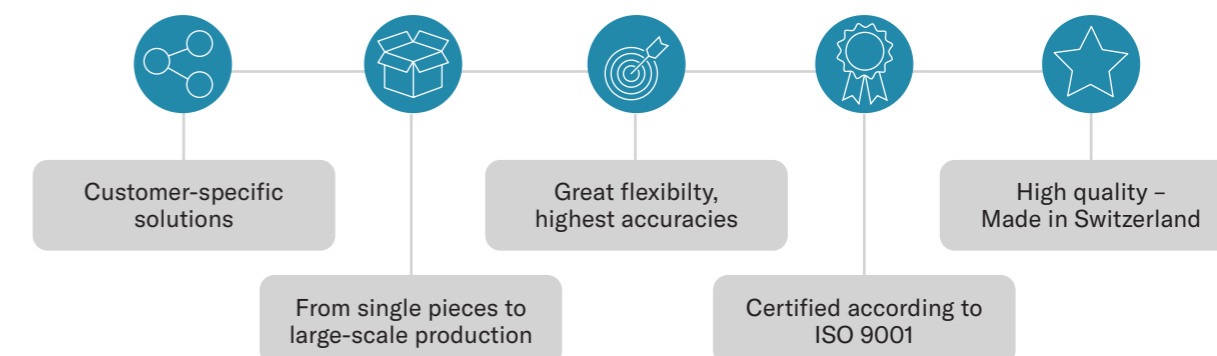


KELLER Pressure is certified to ISO 9001. This means that our measured values can be fully traced to national standards.

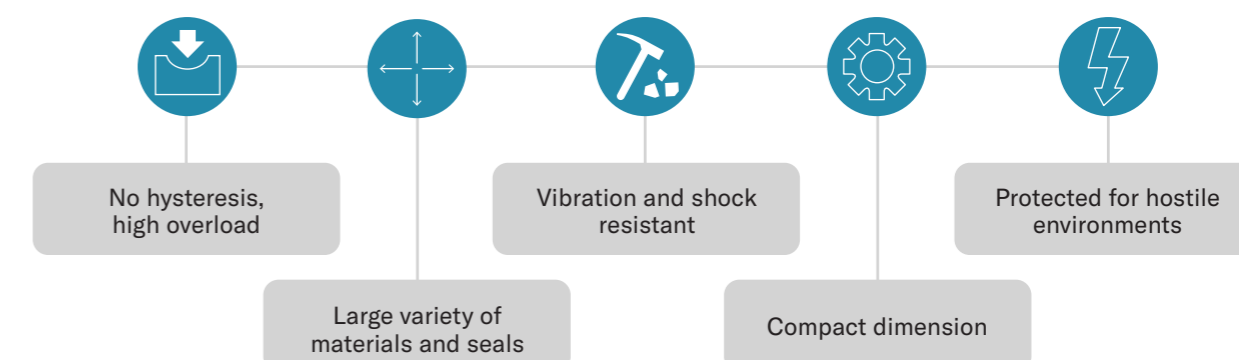
Find out more exciting details about the seal of quality here:



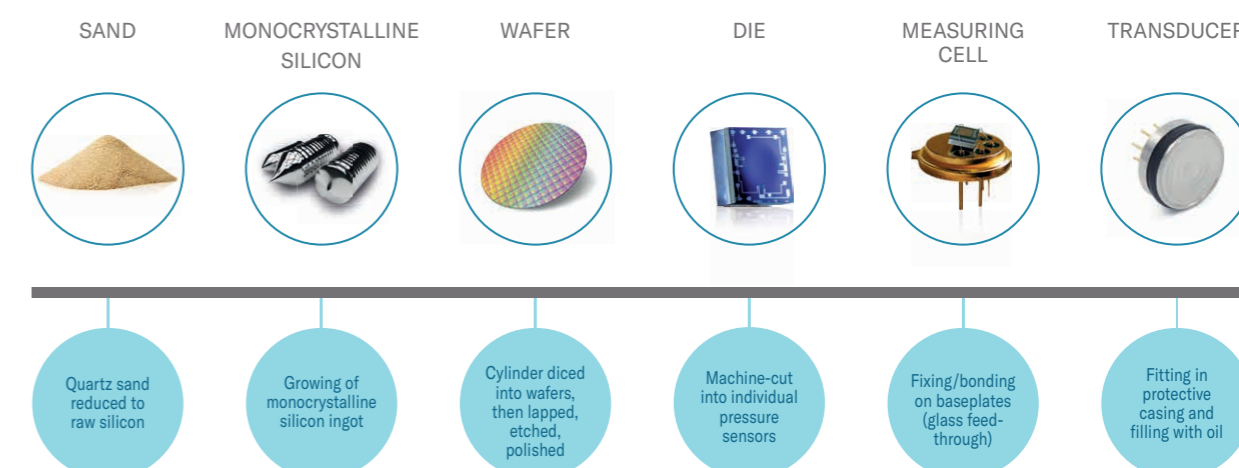
Our expertise



Advantages of piezoresistive technology



From sand to pressure transducers



TECHNOLOGY AND PRODUCTION

The versatility of the isolated pressure measuring cell

Electronic pressure measurement requires a sensor that records the pressure to be measured and converts it into an electrical signal. Due to the large output signals and the established manufacturing processes, as well as the many years of experience gained, piezoresistive technology has become established in pressure measurement.

Resistive pressure measurement centres around an electrical resistance whose resistance value changes as a function of the pressure to be measured. The measuring resistors are integrated into a pressure-sensitive diaphragm and, depending on the pressure intensity, they are either stretched (electrical resistance is increasing) or compressed (electrical resistance is decreasing). The greater the pressure, the more the diaphragm deforms, meaning that the extent of the change in resistance depends directly on the pressure.

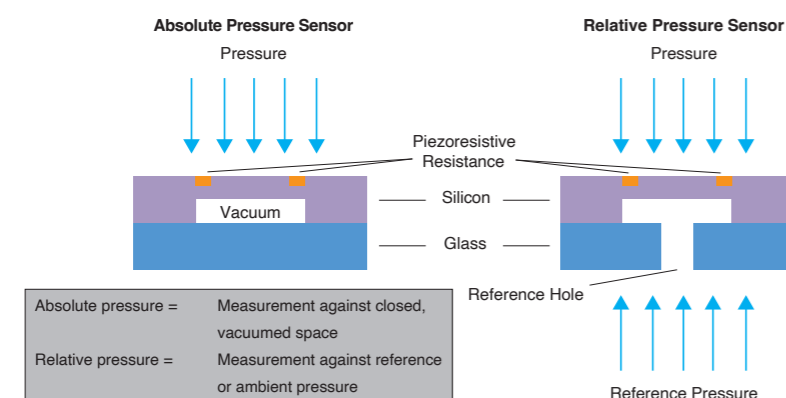
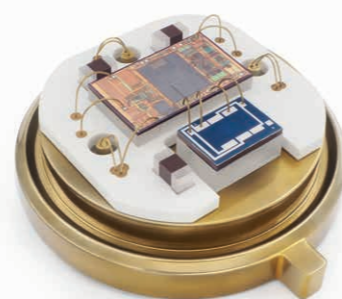


Figure 1: Structure of a piezoresistive sensor chip.

The isolated pressure measuring cell stands out thanks to its versatility: it is compatible with various media – even aggressive media – and covers wide pressure ranges. These diverse potential applications combine the isolated piezoresistive pressure measuring cell with the benefits of piezoresistive technology: no signs of fatigue even after a large number of pressure cycles, excellent long-term stability and freedom from hysteresis. Finally, the individual construction of the housing permits great flexibility for a wide variety of applications, even in critical environments.

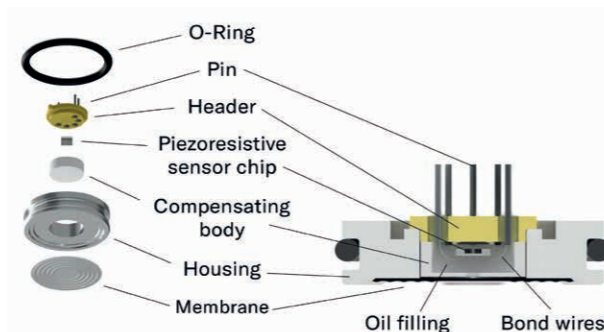


Figure 2: Construction of an insulated, oil-filled piezoresistive pressure sensor.

Cost efficiency through high production capacity

In over 35 highly specialised production islands, the latest automated production processes are used to manufacture large series of industrial OEM transducers and special designs in small quantities. Every year, more than a million pressure transducers and pressure transmitters are produced. Despite our complex production processes and stringent quality requirements, the high volume allows us to keep production at our site in Switzerland cost-efficient.



Piezoresistive pressure measurement technology made in Switzerland

From start to finish, the value chain is created at our headquarters in Winterthur, where we do everything from producing the individual parts to calibrating the sensor and carrying out the final checks on the finished product. A new main building is currently being built in Winterthur, into which the entire production will move in 2026. KELLER Pressure is committed to Switzerland as a location and will continue to focus on «Swiss Made» in the future.

Custom Solutions

Wherever pressure sensors are needed, a solution can normally be found in the standard product catalog. However, there are often great benefits to optimising a product specifically for integration and use in existing complete systems.

The modular product designs offers great flexibility and allows customer-specific adaptations to be made without spiralling costs – even for small production runs. The desired requirements and a mutual exchange of expertise form the essential basis for individual optimisations and tailored product development.



VALUES AND VISION

For people and the company

As a company, KELLER Pressure has made major contributions to the development of modern pressure measurement technology. The company is proud of all its achievements and with total dedication continues in its pursuit to make a decisive difference for both its customers and employees in the future. This goal is underpinned by our shared vision and core values.

Our vision – Independence, development opportunities and wisdom



Here at KELLER Pressure, we combine entrepreneurship and independence. By building this bridge, we can ensure the sustainable commercial success of our company while giving all our employees space for independent development in both professional and personal aspects. We are committed to ensuring the independence and freedom of our employees. The development opportunities that are created by this philosophy form the ideal foundation for innovative developments and sustainable decisions. All this is reflected in the breadth of our product knowledge and the refinement of our product range.

Since 1993, the seagull has been the visual emblem of KELLER Pressure. It represents the flourishing of new ideas and is a symbol of philosophy, of freedom and the love of wisdom and truth. We are dedicated to shaping the future of pressure measurement technology for and with our customers.

The guiding principle from KELLER Pressure



«The biggest challenge for a healthy company is finding space to grow. If the basis of our livelihood disappears, so does our company.»

Company Founder Hannes W. Keller



MORE THAN JUST A COMPANY

Our values

Cooperation

We put our customers and their needs at the heart of what we do so that we can work with them to find effective solutions for their applications. Many of our sensors are customised products.

Continuous development

We believe in our technology and set new benchmarks in precision and potential applications. Piezoresistive pressure sensors find use in countless areas of application and achieve an accuracy of 0,01 % of the entire measuring range.

Personal Responsibility

We encourage independent working. This leads to an inspiring working environment, sustainable solutions and sophisticated products.

Mutual support

We set great store by open communication, honesty and mutual support. We firmly believe that the pooled knowledge from all departments will propel us all forward. We are committed to a close partnership with our suppliers, distributors and customers.

Courage

We are willing to take a calculated risk if the conditions for it are right. Many of our most innovative and successful products were born out of challenging projects.

Independence

We are proud to be an independent Swiss family business. KELLER Pressure is not beholden to investors and all added value is generated in Switzerland.

RESPONSIBILITY

By people, for people

KELLER Pressure provides support and generates added value. With human and financial resources, we can make things happen that otherwise wouldn't be possible. Attention is paid to the regional focus of the projects in the areas of «social» involvement, «culture», «sport» and «sustainability» have a regional focus.

Sports sponsorship

KELLER Pressure promotes talent

KELLER Pressure is committed to supporting the regional sports community, recognising that sport helps keeps you fit, brings joy and builds mental strength.

FC Winterthur

Since 2001, KELLER Pressure has been the sole owner and main sponsor of the football club FC Winterthur. Supporting young players actively contributes to promoting talent. The FCW junior team has a special significance, because the club has very high training standards and can therefore offer great opportunities and act as a career springboard.



LTC tennis club

Since 2019, KELLER Pressure has been supporting the first team at LTC Winterthur tennis club – a club with a rich history – as a local sponsor. The aim of the «advantage LTC» sponsor and benefactor association is to improve the quality of tennis amongst young up-and-coming players and those playing actively in the local region.



Supporting big goals

In addition to providing long-term support for sports clubs and associations, KELLER Pressure also accompanies individual talents striving toward great goals and whose personalities fit in with the company spirit.

Kalle Koblet is, however, not only a good human fit for KELLER Pressure. The talented snowboardcross rider also lives next to the headquarters in Winterthur. With the Swiss Ski Squad, he is pursuing the goal of successfully participating in the 2026 Winter Olympics in Italy. KELLER Pressure inspires the World Cup winner and Winterthur Sportsman of the Year on his way to Milan with the seagull on his snowboard nose.



Internal social projects

Youth project

The youth project was established by KELLER Pressure in 2005 and gives young people the chance to gain a foothold in the apprenticeship and job market. As part of the project, eight internships are offered every year. The internships last for 12 months initially, but can be extended to 24 months.



For 60 % of their working hours, the interns work in the various production departments. The rest of the time, they attend lessons in German, Mathematics, PE, Electronics, Pressure Measurement Technology, Sensor Systems and General Studies. This gives the young people the opportunity to develop not just their manual skills but also their social competence.

Participants are supported in establishing an efficient approach to work, built on the pillars of reliability, perseverance, enthusiasm, resilience and responsibility. Since the youth project began, 80 % on average of the young people involved go on to find an apprenticeship or further work and study placement.

Crèche Möwe («The Seagull»)

Established in 2001, the Crèche Möwe («The Seagull») is a place where employees can leave their children during working hours. Places at the crèche are also offered to external children between the ages of 2 months and 5 years.

Every day, the ten-person Seagull Team does its very best to make sure that the children are happy. The crèche is on the company premises, meaning that new mothers can breastfeed during working hours – and if a child falls ill, their parents can be there right away.



«My wish for the future is that we develop further, both as a company and as individuals, that we learn something new every day, that we take on ever more responsibility and that we walk the path with determination that opens up for us.»

Company Owner Tobias Keller

Cultural Involvement

Committed to culture since the beginning

KELLER Pressure supports ideas and projects that serve to create a sense of identity. Culture is the expression of the spiritual and artistic wealth of a society and it deserves a voice.

Winterthur Music Festival Weeks

Through its sponsorship of the Winterthur Music Festival Weeks, a music festival held in Winterthur, KELLER Pressure is helping to ensure the survival of a local, cultural event that is unique in Switzerland. For 12 days of the year, this event gives visitors the opportunity to discover national and international bands and up-and-coming musical talent. It is the oldest regularly occurring open-air festival in Switzerland and attracts some 55'000 attendees each year.



Afro-Pfingsten

Afro-Pfingsten has had and continues to have a lasting influence on Winterthur's cultural life and strengthens values that are also important to KELLER Pressure. As a corporate sponsor, the company makes an active contribution to the continued success of this platform. Alongside markets and workshops, the main highlight of the programme is African, Latin American and Caribbean music.



Education and Science

Research and development for the future

The entire company history is based here on an invention. KELLER Pressure knows from experience that big things can come from small things and therefore actively supports various university research projects with pressure sensors.

FabLab Winti

FabLab Winti is a publicly accessible digital production workshop, and is available to anyone interested in training courses and completing their own projects. KELLER Pressure is a big fan of «Do It Yourself», and hopes that its sponsorship of FabLabs will help to counteract the shortage of qualified personnel in STEM (Science, Technology, Engineering and Mathematics) professions.



Formula Student Switzerland

Since 1981, students from various universities around the world have been competing with their self-developed vehicles in a combustion, electric and driverless class. The latter two are represented at Formula Student Switzerland, where an annual race is held in the Swiss mountains in July. KELLER Pressure supports this important event, as well as numerous international teams with pressure sensors for their racing cars.



Support for people, animals and the environment

Helping where help is needed

Gratitude is one of most important corporate values. Therefore KELLER Pressure is keen to support organizations that help people, animals or the environment. KELLER Pressure supports selected foundations and institutions, mainly in the Winterthur region and Switzerland.

Sustainability

Actively combating energy wastage

KELLER Pressure cares about his environment. For this reason, all departments are committed to sustainability in their day-to-day work.

- Investments are made with the environment in mind. A closed-loop system ensures that the cooling water used in cell production is prepared using filter systems and so save drinking water.
- Surplus material is disposed of to professional standards in the adjacent recycling yard.
- Supplies are procured from elsewhere in the region. For instance, glass seals and mechanical parts are bought in from the local area.
- Although KELLER Pressure is an international company that places great importance on contact and dialogue with its customers and field offices, conference calls are held wherever possible and business trips are kept to a minimum.
- The company encourages its staff to take part in campaigns such as «Bike to Work» and leave their own cars at home.



KELLER Pressure endeavours to minimise its environmental footprint and CO₂ emissions. It is important to the company to offer its employees a safe and healthy workplace.

SUBSIDIARIES

At home anywhere in the world

As a company that operates internationally, KELLER Pressure has representations at a number of locations around the globe. To ensure the best possible service, clients are always supported in their native language. KELLER Pressure has fourteen subsidiaries in Europe, Asia, South America and the USA.



Austria

☎ +43 7248 20950 0
✉ sales.at@keller-pressure.com



keller-pressure.com/austria



France, French-speaking regions of Switzerland, Belgium and African countries, Luxembourg

☎ +33 800 903 443
✉ sales.fr@keller-pressure.com



keller-pressure.com/france



United Kingdom, Ireland

☎ +44 1305 239 260
✉ sales.uk@keller-pressure.com



keller-pressure.com/united-kingdom



Netherlands, Flemish part of Belgium

☎ +31 182 399 840
✉ sales.nl@keller-pressure.com



keller-pressure.com/netherlands



Germany

☎ +49 7745 9214 0
✉ sales.eu@keller-pressure.com



keller-pressure.com/germany



United States of America, Canada

☎ +1 757 596 6680
✉ sales.us@keller-pressure.com



keller-pressure.com/usa



Italy, Italian-speaking region of Switzerland

☎ 800 78 17 17
✉ sales.it@keller-pressure.com



keller-pressure.com/italy



Scandinavia – Sweden, Denmark, Norway, Finland, Iceland

☎ +46 18 10 27 00
✉ sales.se@keller-pressure.com



keller-pressure.com/sweden



Japan

☎ +03 5944 9199
✉ sales.jp@keller-pressure.com



keller-pressure.com/japan



Poland

☎ +48 61 832 77 28
✉ sales.pl@keller-pressure.com



keller-pressure.com/poland



Spain

☎ +34 657 96 93 10
✉ sales.sp@keller-pressure.com



keller-pressure.com/spain



Czech Republic, Slovakia

☎ +420 553 65 08 13
✉ sales.cz@keller-pressure.com



keller-pressure.com/czech-republic



Brazil

☎ +55 11 96523 9997
✉ sales.br@keller-pressure.com



keller-pressure.com/brazil



ASEAN – Singapore, Malaysia, Indonesia, Thailand, Vietnam, Cambodia, Laos, Philippines, Myanmar, Brunei

☎ +65 6539 9277
✉ sales.sg@keller-pressure.com



keller-pressure.com/singapore

REPRESENTATIONS

Always nearby

Various representatives and distributors also support our subsidiaries in other countries.

Australia

BesTech
bestech.com.au

Belgium

Instrumentation Elneo
elneo.com

Onthaal BIP Elneo
bipelneo.com

Brasil

KELLTECH
kelltech.com.br

Chile

Welko
welko.cl

DOS20
dos20.cl

China

Kistler Instrument AG Shanghai
kistler.com

Columbia

DST
onlinedst.com

Ecologic Ingenieria
ecologicingenieria.com

Costa Rica

Optima Ingenieria
optima-ingenieria.com

Denmark

Tech Instrumentering
tech.dk

Egypt

MAS Trading
masautomation.com

Finland

Oy Profimeas Ltd.
profimeas.fi

France

Serv'Instrumentation
servinstrumentation.fr

India

Yashtec
yashtec.in

Israel

T. Berke Ltd.
berke-ltd.com

Korea

DAHO
daho.co.kr

Mexico

Equipozo
equipozo.com

Norway

MRC Global
mrcglobal.com

Peru

Inprocess
inprocess.com.pe

Portugal

Tecmer
tecmer.pt

Romania

MDS Electric
mdselectric.ro

South Africa

Instrotech
instrotech.co.za

Spain

Catsensors
catsensors.com

Sri Lanka

S-E-N-E Pressure Metrology Ltd.
senepressuremetrology.com

Taiwan

San Fong Instruments Technology Co. Ltd.
san-fong.com.tw

Turkey

Zeta Enerji
zetaenerji.com

United Arab Emirates

SWME Control Systems
swme.ae

Uruguay

Techingenium
techingenium.com.uy

«We focus on the needs of our international customers. With an impressive export rate of over 95% and our network, we are proud to be able to offer our products and services close to our customers worldwide. In this way, we are always close to our customers.»

Thomas Ehrat, Chief Sales Officer



PRODUCT OVERVIEW



KELLER Pressure is known for Swiss quality and precision. Ever since being established, the company has developed and produced its products at its facilities in Winterthur. For more than 50 years, we have been pairing expertise with innovative spirit to find the right solutions for each individual application. The customer's wishes are our key focus.



Pressure Transducers



Pressure Transmitters



Level Probes



Data Loggers



Digital Pressure Gauges



Wireless Solutions



Custom Solutions

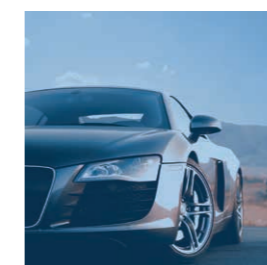


Software and Accessories

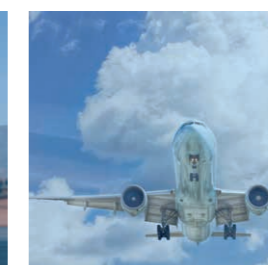
INDUSTRY OVERVIEW



Learn about the wide range of possible applications of our products. Our application reports show different real-life examples of customers trusting in the precision and reliability of KELLER Pressure sensors.



Vehicles



Aviation and Space
Travel



Oil and Gas



Water and
Environment



HVAC



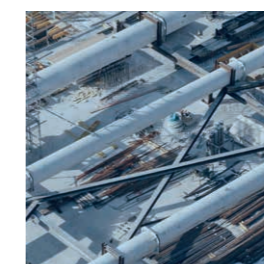
Raw Material
Extraction



Chemistry, Food and
Pharma



Consumer Products



Structural Measuring



System and Device
Construction



 **KELLER**

KELLER Pressure

Headquarters Switzerland

☎ +41 52 235 25 25

✉ info@keller-pressure.com

🏠 keller-pressure.com