

Making quality visible.



“When my grandfather founded this company in 1948, his goal was to turn scientific techniques into testing instruments that met the exacting demands of German industry.

Now in its third generation, FOERSTER is still family-run and owned – and still dedicated to providing the utmost in quality and reliability to our customers. Worldwide.”

Felix M. Förster



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ABOUT FOERSTER

FOERSTER –  
a solemn promise.

Since 1948, FOERSTER has ensured reliability through the non-destructive testing of metallic materials, as well as through metal detection and the use of magnetics. We make it possible to identify defects long before they ever become apparent. Our experience encompasses a wide variety of industries, but always with the same goal: to offer our customers specific, state-of-the-art solutions. As a family-run company in the third generation, it's particularly important to

us to have mutual trust and close cooperation with our customers; this is how we ensure that they get an inspection solution that's optimally tailored to their needs. Right from the start, the hallmarks of FOERSTER have always been innovative processes and reliable products. As a technology leader, competent system partner and solution provider, we stand by our customers.

**Making quality visible – with FOERSTER.**



METALS INDUSTRY

Whether wire, tube,  
rod or sheet metal –  
we can test it.



We rise to the challenge of your testing task.

Scaly or smooth surfaces, small or large diameters, ferromagnetic or non-ferromagnetic – we have the right testing solution for every kind of material. Besides instruments that work on the eddy current or flux leakage principles, we also offer thermography methods and ultrasonic systems to ensure the reliable and non-destructive detection of defects such as cracks, pores or cavities. Our diverse portfolio ranges from individual instruments to entire customized test lines. In this way, we help you ensure end-to-end quality control and contribute to your process optimization.



AUTOMOTIVE

Ever faster, ever lighter –  
placing the highest demands  
on material and function.

We test the quality of your components.

Whether on the racetrack or on the road, automotive parts have to be of the highest quality to get you safely to your destination. Our instruments use the eddy current method to test your components for even the smallest defects. They can also be used to determine material mix-ups or hardness quality – automatically and in a running production line. We've tested everything from brake disks to steering racks – and our KOERZIMAT can also check the quality of your materials to ensure, for example, the precise switching of a high-performance injection system.



Lift off – safely and reliably.  
You can depend on it.





Mobile test equipment for fast and certain maintenance.

We often place sky-high trust in the error-free functioning of our technology. But the material strain that can occur during flight is huge, making regular maintenance and inspections an absolute must. With FOERSTER's mobile testing devices, components such as turbine blades, wheel rims, and even welded seams can be examined reliably and with certainty for stress cracks or corrosion damage – so that things are quickly cleared again for take-off.



Examinations in detail.  
At the intersection  
of high-tech and crafts-  
manship.





Here, defects are simply not an option.

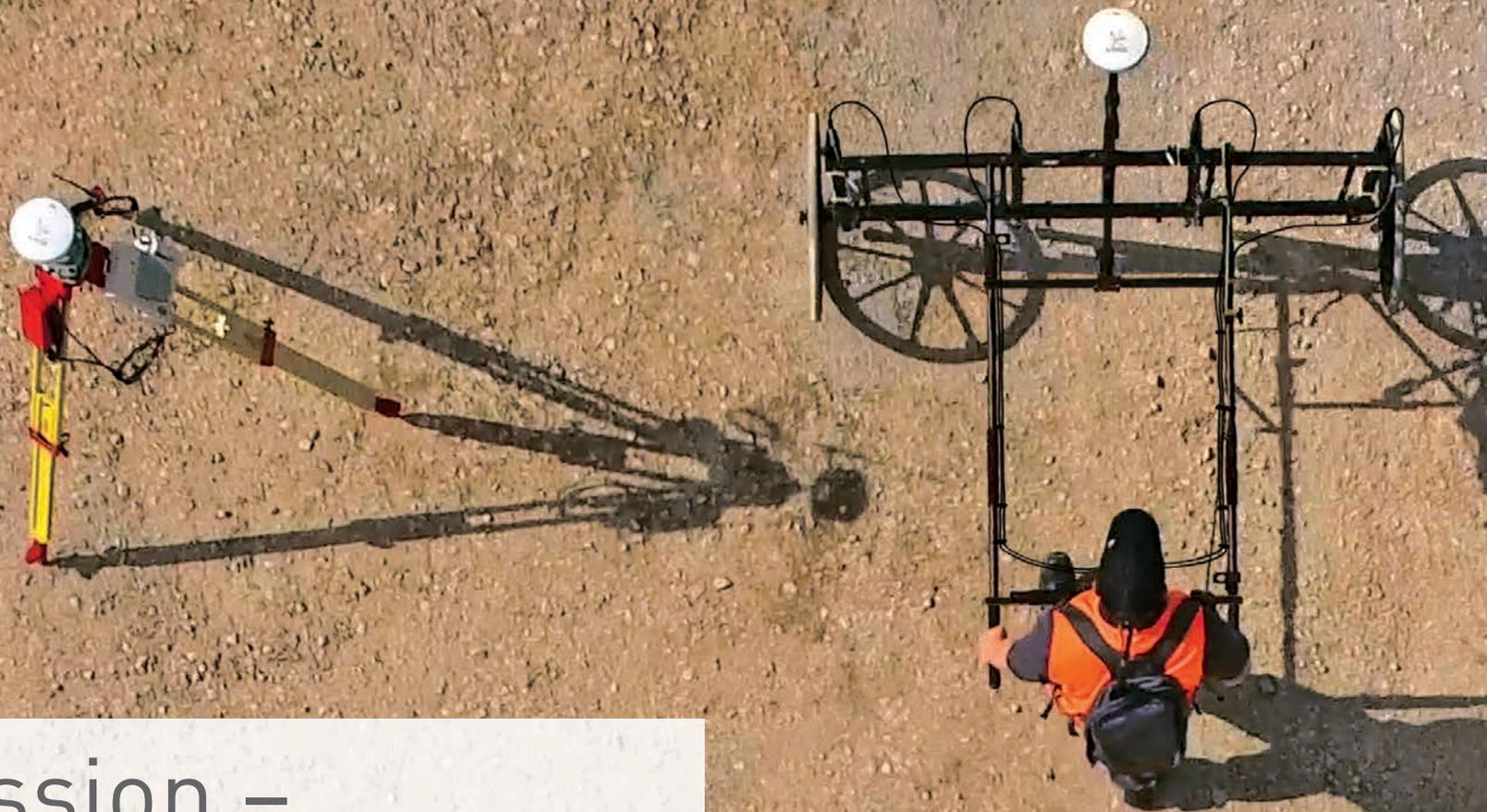
That's why we do everything in our power to find them before a medical device or part gets anywhere near the patient. Our DEFECTOMINI sensor system checks even the finest wires and tubes for  $\mu\text{m}$ -deep cracks, so material defects can be brought to light before it's too late. Medical instruments such as scalpels can also be examined for quality.

And, if you need to measure magnetic fields to set up an MRI scanner, or check components for suitability in the MRI system, then FOERSTER has a solution for you, too.



GEOPHYSICS

Our mission –  
exposing the invisible.



Archaeological sites, contamination, munitions – we bring it all to light.

Detection devices from FOERSTER provide certainty. Using our metal detectors, the dangerous byproducts of war can be precisely located and subsequently disarmed. Our equipment can find both minimum-metal land mines right under the surface and unexploded ordnance buried deep in the ground.

And detection devices from FOERSTER bring history to life. Our FEREX magnetometer has been put to use in numerous archaeological excavations, including at Stonehenge, where hidden archaeological structures have been discovered and new insights gained.



FEREX® 4.034

PETROCHEMICAL INDUSTRY

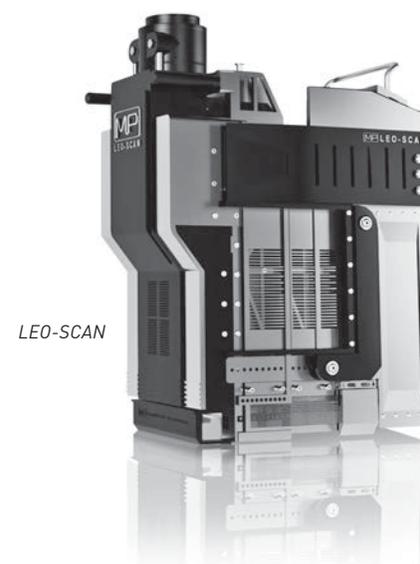
At work under pressure –  
we ensure safety.





Allow us to inspect your reformer tubes.

Outfitted with the latest technology, our test engineers quickly check the condition of your reformer tubes. In addition to crack testing, an expansion measurement is also carried out to evaluate the load on the pipes. Even microscopically fine hairline cracks can't hide from our LEO-SCAN tester. Up to 250 pipes per shift can be inspected. Our specialized test engineers guarantee that the test goes smoothly – worldwide.



LEO-SCAN

Defect-free oil country tubular goods (OCTG) – so the black gold flows.



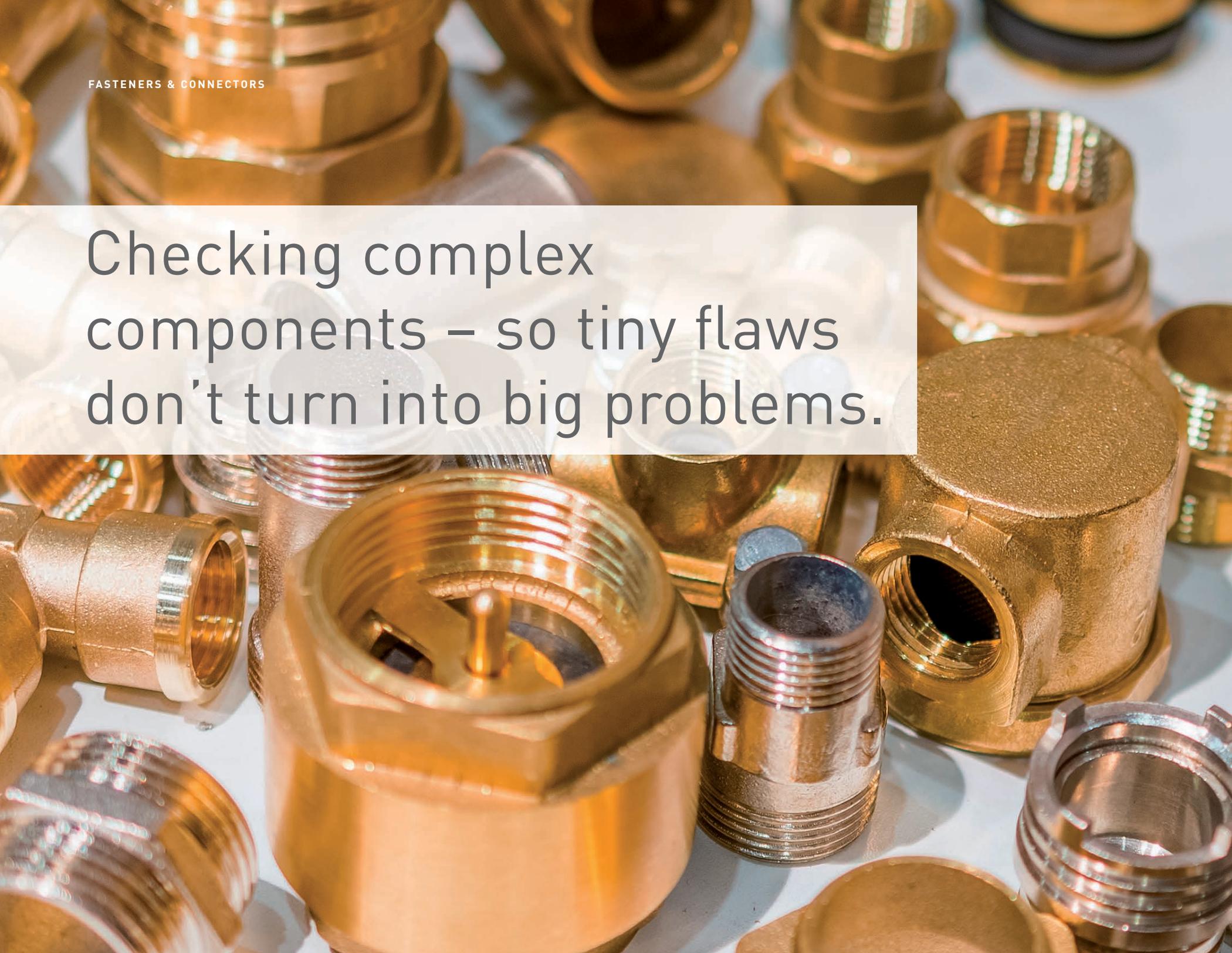
Innovative technology for meeting the most stringent quality requirements.

While drilling for oil, the forces at work on the OCTG are truly massive. Cracks or holes in the material can have catastrophic consequences for people and the environment, which is why regular inspection of the drill pipes, tubing and casing is necessary. With PIPEPROOF 360, FOERSTER offers a complete system for third-party inspection of OCTG pipes. Even the smallest defects are made visible to the naked eye in high-resolution quality.



PIPEPROOF® 360

Checking complex components – so tiny flaws don't turn into big problems.



When the smallest components must meet the highest requirements.

We combine reliable crack detection with exact determination of material properties. Our special, flexible probes can check complex joining elements like screws, nuts or pipe connectors for material defects. This allows us to detect even the finest cracks and flaws. And then, for ultra smooth processing, the bulk goods are sorted automatically. Quality assurance made easy!



EXPERTISE

High-tech – Made in Germany.





The FOERSTER name stands for the highest quality in non-destructive testing devices. This is thanks to our many years of experience, the company's extreme production depth and our use of exclusively high-quality components. Every day, our highly trained employees help us achieve our quality goals, so we can create high-performance products and effective services for you.

Our devices and systems are developed, designed and produced in Germany. Equipped with the latest CAD software, our talented designers develop them first as complex 3D models. This vision is then turned into reality in our very own production facilities, which are outfitted with the latest equipment and machinery. The sensors – the beating heart of our technology – are so delicate and sophisticated that they're still handmade under powerful magnifying lenses by skilled employees. We're constantly striving to improve, to optimize our processes and bring new products to market. Non-destructive testing is our passion – now and in the future.

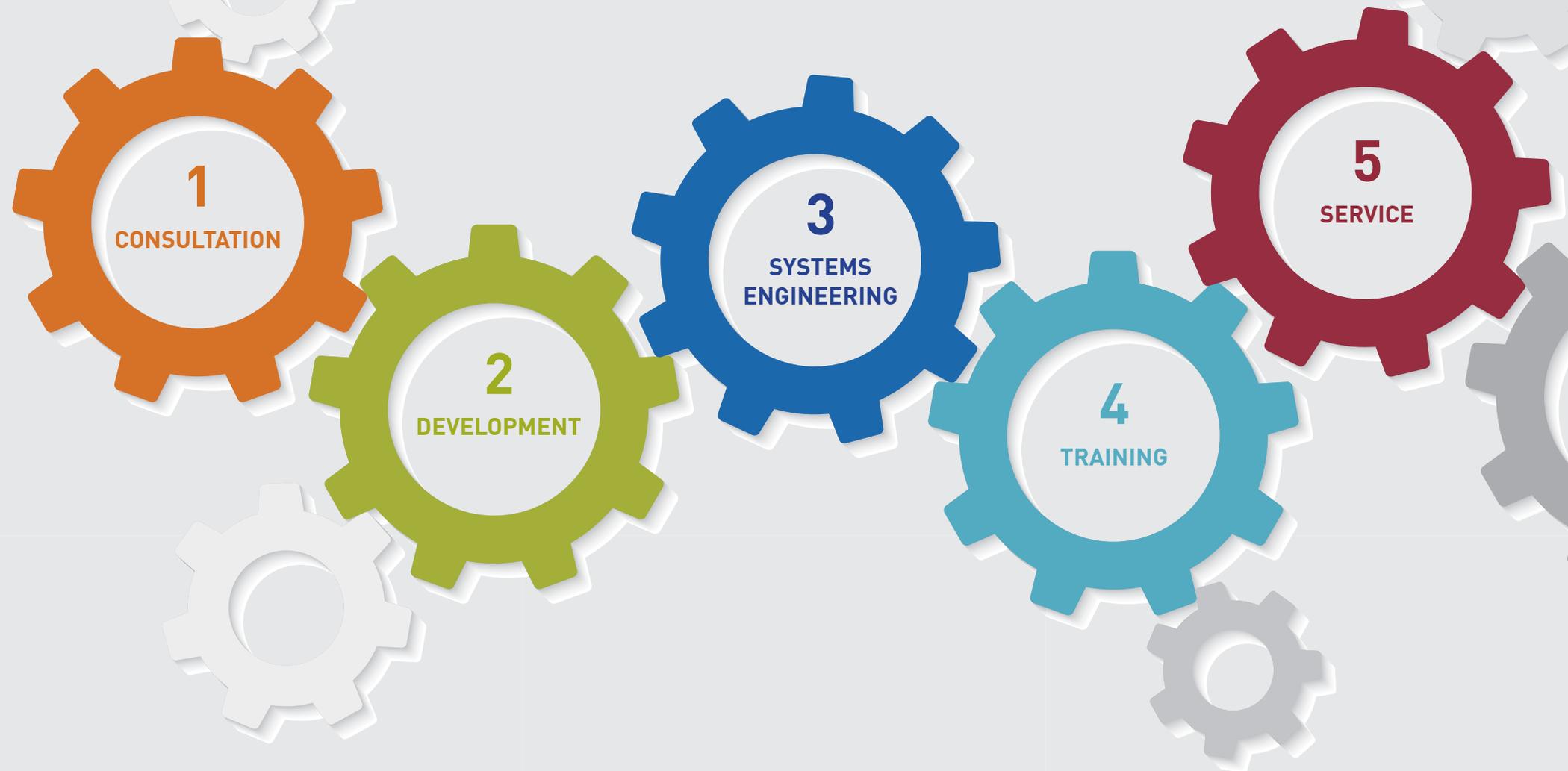


Before shipping any system, we assemble it, test it in detail, and put it into operation. This is done at our TECHNIKUM, where production, development and product management work closely together. But it's not just currently marketed projects that find their way there. The TECHNIKUM is also an incubator for newly developed products, which are tried and tested until they're ready to go into production. We also have an application laboratory equipped with the latest testing equipment. This is where we carry out feasibility studies and develop customer-specific solutions – taking your technical and organizational conditions into account – and we set and optimize the parameters for your test system.

Our highly trained application engineers, working in close association with the developers, have extensive application knowledge stemming from their many years of experience at FOERSTER. The results are made available to you in a detailed report and, on request, discussed with you in person.



# FOERSTER – your partner from the start.





We at FOERSTER are of the firm belief that the best test solution can only be created in close cooperation with the customer. And we place value on long-term partnerships: We're always there for you – from the very first contact to consulting and development, right through to training and regular maintenance of your system. One address for everything: FOERSTER.

### **1** CONSULTATION

We study your testing task in on-site visits and in joint discussions. We then carry out a feasibility study in our application laboratory and develop a concept tailored to your needs. This is closely coordinated with you, analyzed and optimized until it completely fulfills your requirements.

### **2** DEVELOPMENT

Our internal R&D department is constantly working on improving existing systems and developing new, innovative processes. That's how we guarantee that you get optimal, state-of-the-art solutions to best meet your needs.

### **3** SYSTEMS ENGINEERING

Our strength lies in the conception and provision of complete test lines, including the mechanics. These are developed by our design department with the help of 3D software and adapted to your specific circumstances. Our service team then assembles and commissions the lines for delivery as a turn-key solution.

### **4** TRAINING

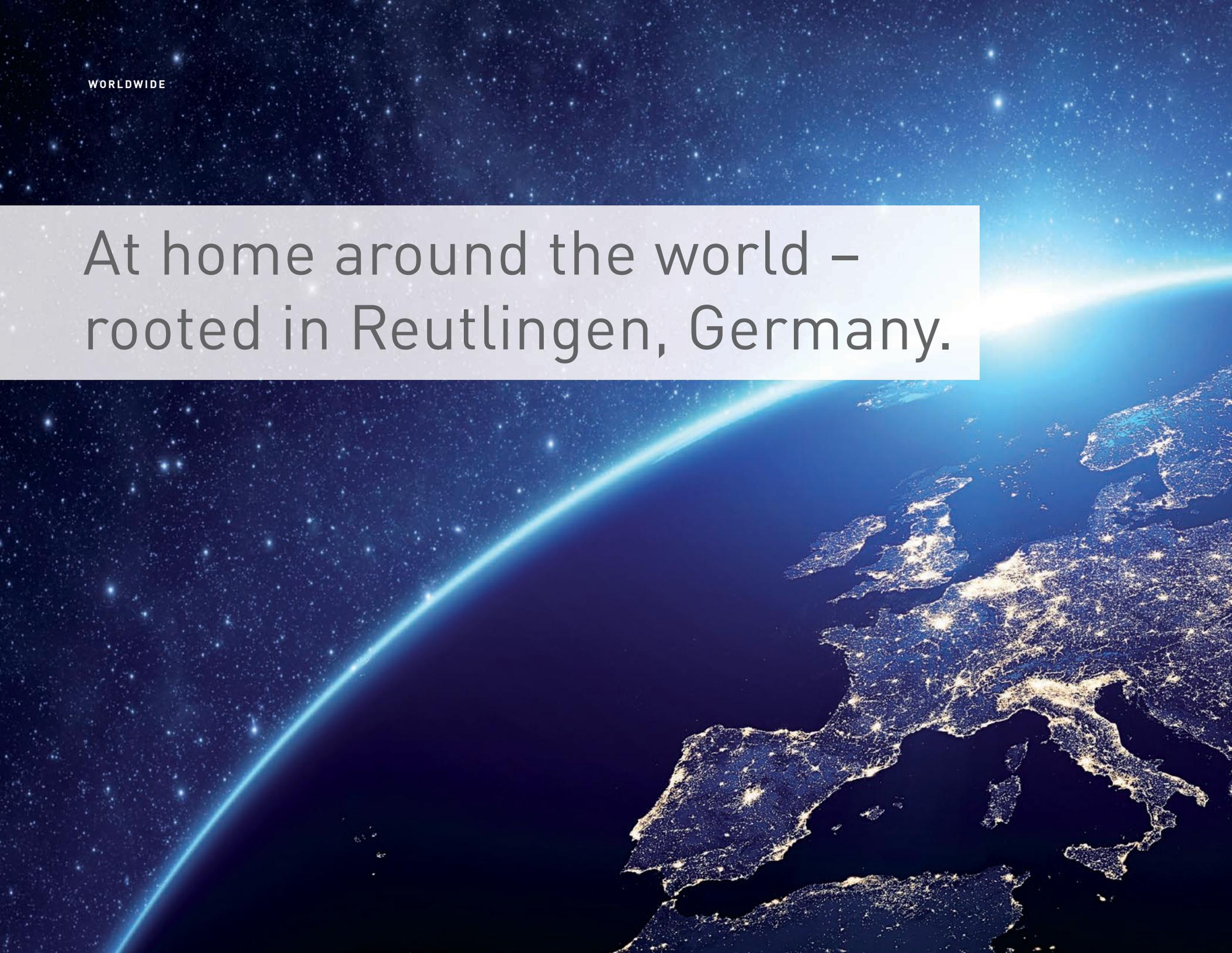
Because we want you to be able to correctly use your FOERSTER device on day one, we offer individualized product training courses – either at your site or at our premises in Reutlingen. We'll gladly coordinate the contents with you in advance to ensure that we've included all the relevant topics.

### **5** SERVICE

In order to ensure high system availability, our service starts with regular maintenance and inspections. This detects wear-and-tear early on, so it can be repaired cost-effectively. In acute cases, our service team can be reached round the clock via our 24/7 hotline – 365 days a year.

WORLDWIDE

At home around the world –  
rooted in Reutlingen, Germany.



Ten subsidiaries. Representatives in over 60 countries. Operating worldwide.

To operate efficiently and prudently in global markets, a company needs partners with a global presence. From the very start, the FOERSTER Group has worked to build out its worldwide network of experts, which is continually expanding. Wherever in the world a need for testing arises – FOERSTER is there for you, a competent partner ready to respond to the demands and requirements of its customers.

#### Headquarters

- Institut Dr. Foerster GmbH & Co. KG, Germany

#### Subsidiaries

- Magnetische Pruefanlagen GmbH, Germany
- FOERSTER France SAS, France
- FOERSTER U.K. Limited, United Kingdom
- FOERSTER Italia S.r.l., Italy
- FOERSTER Russland AO, Russia
- FOERSTER Tecom, s.r.o., Czech Republic
- FOERSTER (Shanghai) NDT Instruments Co., Ltd., China
- FOERSTER Japan Co., Ltd., Japan
- NDT Instruments Pte Ltd, Singapore
- FOERSTER Instruments Inc., USA

