

Leica Geosystems

World leader in
spatial measurement

Leica Geosystems – when it has to be right

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems, part of Hexagon, creates complete solutions for professionals across the planet. Known for premium products and innovative solution development, professionals in a diverse mix of industries, such as aerospace and defence, safety and security, construction, and manufacturing, trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us @HexagonAB



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- when it has to be **right**



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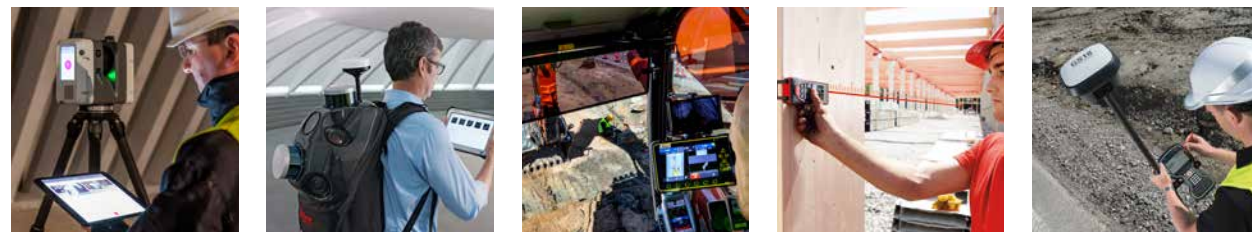


- when it has to be **right**





Trust. More than a feeling. A fundamental difference.



- Whatever the task, scope or environment, Leica Geosystems supplies the solutions that help professionals get it right.

Every day, professionals across the world put their trust in Leica Geosystems and our solutions that help them complete their projects. Projects come in every shape and size – from building a bridge or an office tower to manufacturing an aircraft or race car, from making maps to taking measurements that help us understand and improve the world we live in.

Whatever the project, our customers have one thing in common: their successes, profits, businesses, jobs – even their lives and the wellbeing of others – depend on getting it right. They depend on precise and

accurate measurements, performed efficiently, reliably and consistently.

These professionals rely on their measurements – and place their trust in our measurement and spatial technologies. With so much at stake, there's no room for errors or compromise.

That's a responsibility we take seriously and that's why we are proud they choose Leica Geosystems – when it has to be right.

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- Rural Development Organisation (RDO), Tanzania – Improving long-term living conditions of the people through diverse programs based on the principles of sustainability and knowledge transfer.

Success. Helping you shape the future and the world we live in.

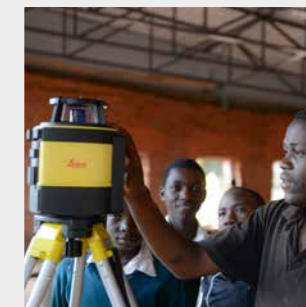
Leica Geosystems is focused on our customers' success. Our solutions help professionals capture, analyse, work with and understand spatial information. Leica Geosystems' products and services are trusted for their dependability and ability to increase productivity, and they have been for over 200 years.

A range of highly advanced core technologies – EDM (Electronic Distance Measurement), GPS/GNSS technology, 3D laser scanning, tilt and angle measurement and point cloud generation and analysis are applied to the needs of a wide range of industries.

The resulting comprehensive portfolio of products and services, coupled with a dedication to customer service and support, generates innovative solutions that open up new opportunities for our customers' growth.

In a complex world, Leica Geosystems' customers measure success in many different ways because every project is different, none is routine, and all are important. We are proud that our measuring, positioning and analysing solutions have contributed to some of the world's most exceptional projects.

- In the following spectacular projects and in the thousands more our customers complete each year, precise, accurate measurements play a critical role. So we measure our performance through our customers' success.



Building a better future with measuring technology

Qualified and skilled labour has never been more vital, not only for the construction industry but for the economical well-being of societies and countries. The Rural Development Organisation (RDO), founded in 2012 and established in Tanzania, is aware of the life-changing potential of learning a new trade. RDO, in partnership with Eine Welt Gruppe Schlins - Röns, works to improve the long-term living conditions of the people in the regions of Mdabulo and Kilolo, in the highlands of Tanzania, through diverse programmes based on the principles of sustainability and knowledge transfer. RDO is opening opportunities to young men and women through vocational training and building projects – undertakings where Leica Geosystems' equipment has proved useful.



Opening the world's longest, deepest rail tunnel with precise measurement

At 57 kilometres long, the Gotthard Tunnel in Switzerland is the world's longest and deepest rail tunnel. Leica Geosystems surveying and monitoring solutions were used to ensure drilling from both sides of the mountain in the Swiss Alps met precisely in the middle. With total stations and GNSS solutions, the surveying consortium VI-GBT was able to ensure the tunnel construction took place precisely on course. In addition, Leica Geosystems' monitoring solutions were also used in the project. With lakes and dams above the tunnel construction, using automated devices, VI-GBT ensured no deformations occurred and the dams stayed structurally sound. With no major delays in construction, inauguration of the tunnel, an event of global interest, took place on time.



Transforming Ayacucho into a digital city

Digital cities initiatives aim to collect valuable data and capture all surroundings in urban settings to generate smart models, supporting decision making processes and facilitating the delivery of new urban services. The mobile mapping, reality capture, airborne and asset management solutions provided by Leica Geosystems are used in cities around the globe helping to digitise urban centres. Our customer started the 3D digital modelling of this Peruvian city in 2017. To undertake a precise digital survey that would be the basis for a digital city model, the project collected georeferenced point clouds with images from 150 blocks in Ayacucho's historic centre.



Building a "living classroom" in eastern Nepal

KTK-Belt, Inc., is a non-profit organisation whose mission is to catalyse new models of biodiversity conservation and environmental learning in eastern Nepal. It works with teachers, farmers, youth and women to create a 'Vertical University'. The idea of this sustainable project is to create a 'living classroom' in the form of a 7,620-metre vertical forest corridor stretching from Koshi Tappu (67m), Nepal's largest aquatic bird sanctuary, to Mt. Kanchenjunga (8,586m), the world's third tallest peak. The 'Vertical University' is a vessel to teach and conserve the 6,600 flowering plant species, 800 bird species and 180 mammals that are found in eastern Nepal. With a shared belief to foster a sustainable planet, Leica Geosystems supported this new biodiversity conservation and environmental learning project by donating a Leica DISTO™ D810 touch pro pack.



capture
Leica Geosystems provides hardware and software that captures everything from individual points at a survey site to mass data from airborne sensors and 3D laser scanners.

reference
Leica Geosystems offers solutions that reference measurements against a wide range of data sources, including building plans, GIS databases, topographical maps and CAD CAM systems.

measure
Leica Geosystems delivers a range of tools to work with spatial information such as photogrammetric analysis of imagery or engineering projects.

analyse
Leica Geosystems specialises in software to extract visual features from aerial imagery and to identify deviations from design.

present
Leica Geosystems delivers advanced software solutions to present spatial information - often in 3D - such as city models, as-built models of structures, site surveys, and preservation projects.

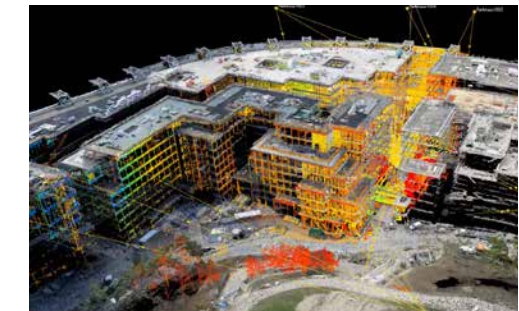
Scope. Covering the globe. Spanning your workflow.

Leica Geosystems' customers are active across a wide spectrum of industries, and their measurement requirements are equally diverse. Sometimes it's a single point, a height above sea level or the distance between two walls. Often many points are involved, when complex objects are positioned and assembled with millimetre-level precision or an entire building facade is scanned to create a 3D drawing. In some instances, a complete city must be captured and analysed to create accurate maps, multilevel representations and 3D fly-through models.

From measurement to map to model
Leica Geosystems' solutions encompass a workflow that transforms raw data into useful information, turning measurements into maps and maps into models that capture the real world. From a painter calculating paint volumes, to an engineer designing a bridge, to a surveyor optimising wireless phone tower coverage, Leica Geosystems offers unique solutions for all these needs.

With the broadest range of competencies within the geomatics industry, Leica Geosystems delivers a comprehensive range of products that work together in a complete, end-to-end workflow. Systems that integrate and operate consistently allow our customers to work faster, more efficiently and more productively.

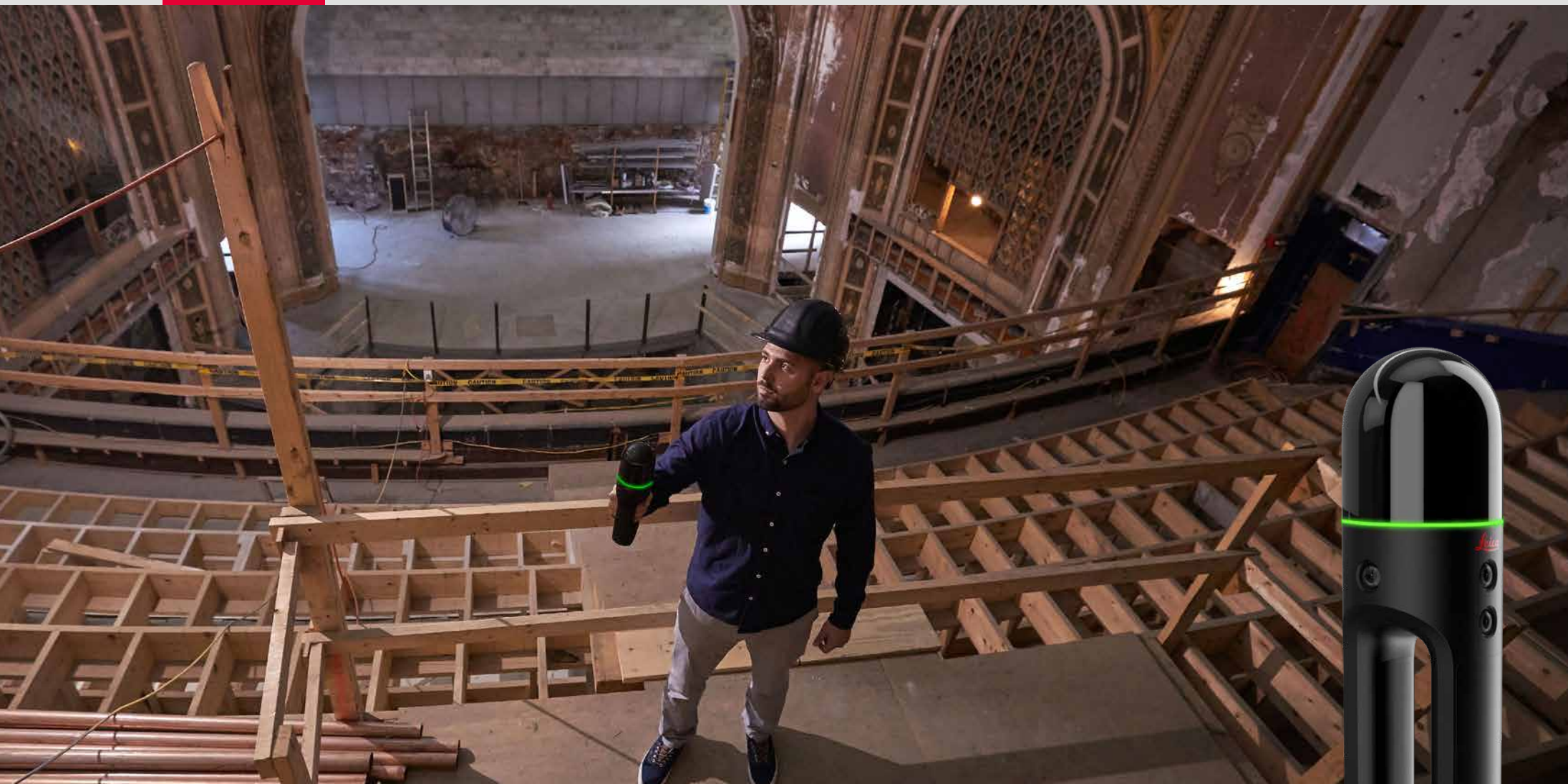
Not every Leica Geosystems customer operates across the entire workflow; many have specialised needs within one phase. All benefit, however, from the breadth of expertise we offer, the depth of our research, and the commitment to each other's success.



■ From a single point to a 3D scan of a complex structure, we bring accuracy, reliability and innovation to every step of the workflow.

Our customers recognise the advantage of sourcing solutions from a single supplier who can meet their needs - both today and tomorrow, as demands change, business expands, and activities grow more complex.

Working together with these professionals, we solve problems, develop new ideas and invent new technologies. It is this collaboration that ultimately shapes Leica Geosystems' products and services, drives our customers' businesses and improves the world in which we all live.



Uniquely innovative

The unparalleled commitment of Leica Geosystems' research and innovation is reflected in our history of "world's firsts":

- 1921 First portable opto-mechanical theodolite
- 1925 First aerial photography camera
- 1969 First infrared-based distancer
- 1984 First GPS for surveying
- 1991 First industrial laser tracker
- 1993 First handheld laser distance meter
- 2004 First universal GPS/TPS system – Leica System 1200
First mobile CMM – Leica T-Probe and Leica T-Scan
- 2005 First total station with integrated GPS – Leica SmartStation
- 2008 First future proof GNSS system – Leica GPS1200+
- 2009 First handheld laser distance meter with digital colour display and tilt sensor – Leica DISTO D5
- 2011 First airborne laser scanner with 500 KHz pulse rate – Leica ALS70
- 2012 First 3D laser scanner with WFD technology – Leica ScanStation P20
- 2013 First MultiStation – Leica Nova MS50
- 2015 First Self-Learning Measurement Instruments – Leica Nova MS60, Leica Nova TS60, Leica Viva TS16
- 2016 First and smallest imaging laser scanner – Leica BLK360
- 2016 First hybrid airborne sensor combining oblique and nadir imaging with LiDAR technology – Leica CityMapper
- 2017 World's fastest GNSS RTK Rover – Leica GS18 T
- 2018 World's fastest 3D laser scanner with in-field pre-registration – Leica RTC360 & Leica Cyclone FIELD 360
- 2019 The first-of-its-kind handheld imaging laser scanner – Leica BLK2GO

In total, Leica Geosystems holds more than 2,000 patents, many of them registered in the past decade.

Depth. We measure our performance through our customers' results.

Leica Geosystems is committed to understanding customers' needs and exceeding their expectations. Increasingly, geospatial solutions encompass more than just hardware or software products; today's customers demand comprehensive solutions that also include an extensive range of services.

Uniquely responsive

Many companies have been Leica Geosystems customers for decades. The typical Leica Geosystems user is fiercely loyal and reluctant to use alternatives. What lies behind this loyalty is an appreciation of the significant role customer service and support play in the success of every project. Our customers trust us to keep their equipment up and running all the time.

Support does not mean dependence – increasingly, our offerings empower customers to execute processes themselves that they traditionally outsourced. Along with support for all of our own products, Leica Geosystems is also a recognised leader in support for a wide range of third-party geospatial software products.

Uniquely focused

Leica Geosystems has established an enviable reputation for high-quality products, and we are constantly investing to maintain this leadership position. We have never compromised quality, striving to deliver the maximum value over the life of our products. Leica Geosystems' customers understand the difference,

and recognising the importance of consistent, accurate measurements, they choose us for reliable results and dependable service every time.

As a company, we take an especially broad view of quality in the belief that minimising the environmental impact of all our activities is also a reflection of the ever higher standards that we aim for.

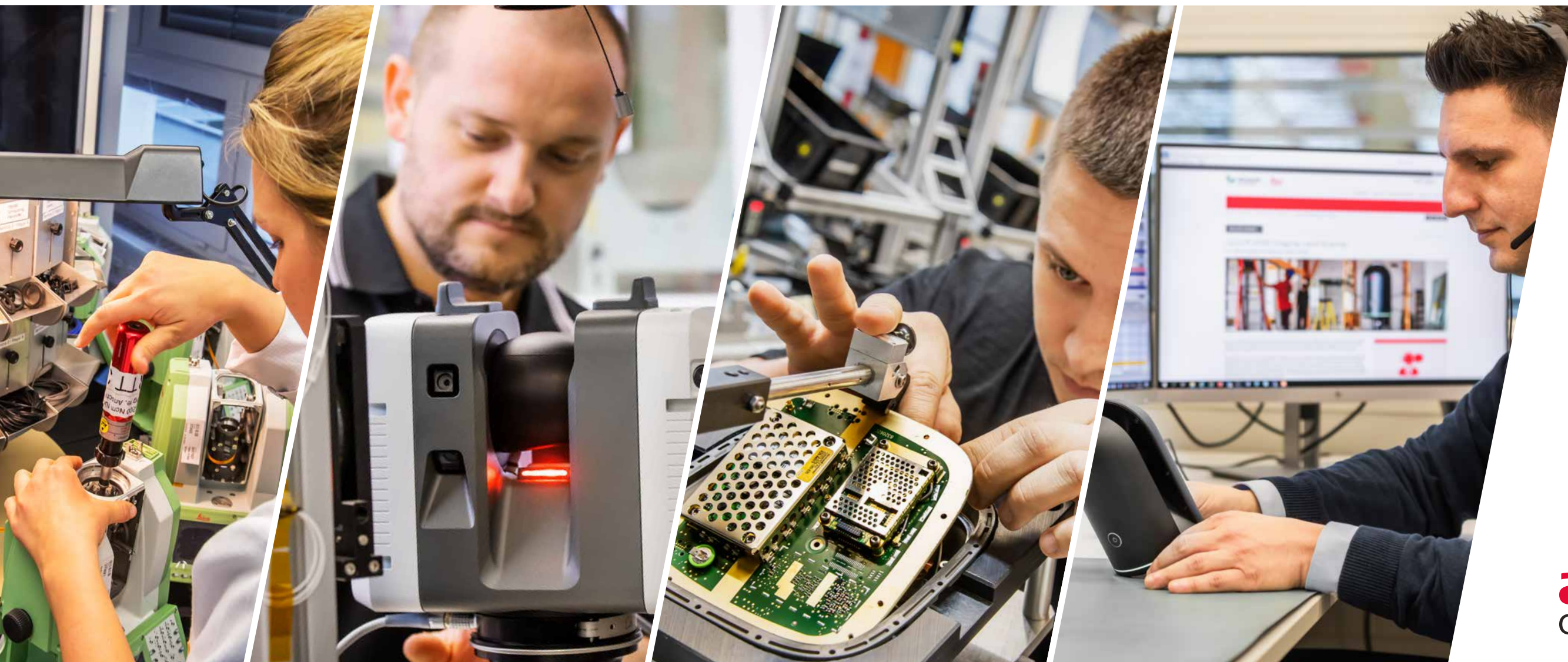
Uniquely trusted

Leica Geosystems' commitment to innovation and quality has a single goal: understanding and supporting the customer's workflow. The results are a product portfolio, a service offering, and a comprehensive range of solutions that are

unique in the market. In turn, these customers have rewarded Leica Geosystems with their trust. Every day, in a million different ways, we continue to strive to earn that trust, wherever and whenever it has to be right.

- when it has to be right





active >>
Customer Care

Reliable. Capturing reality. Shaping the future.

From its beginnings in a small Swiss town two centuries ago, Leica Geosystems has established a tradition of quality, innovation and dedication to customer satisfaction.

Building on a heritage of excellence

International and Swiss at the same time, today Leica Geosystems is a global enterprise with more than 5,200 employees serving customers in some 120 countries. Those customers tell us they continue to work with Leica Geosystems because of our truly exceptional support and service.

It's a concept we call Active Customer Care – a true partnership, a commitment to the trust customers

place in Leica Geosystems. From education and training, through ongoing support, to assistance in keeping equipment in top condition – around the clock and around the globe – Leica Geosystems guarantees productivity and performance.

We're proud of those who make this promise come true – the people of Leica Geosystems. A highly educated, unusually talented team that spans the globe, dedicated to customer success, and committed to excellence. A team that applies its expertise and ingenuity to create innovative technologies, develop outstanding products, and deliver exceptional customer service.



Creating a better world, day by day

We're impressed by our customers, both current and future, the professionals who use Leica Geosystems' solutions daily, with whom we work to solve problems and create new solutions. Your achievements – be they dams, homes, maps, automobiles, pipelines, parking decks, precision tools, models, theme parks, nature reserves or any one of a myriad of other projects – are what shape the future and lend significance to what we do.

All around the globe, wherever mankind is measuring, improving and protecting the world, Leica Geosystems' solutions are there. We are proud to be the partner you trust – when it has to be right.

■ We pride ourselves on our partnerships with our customers – working together to shape the future.

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