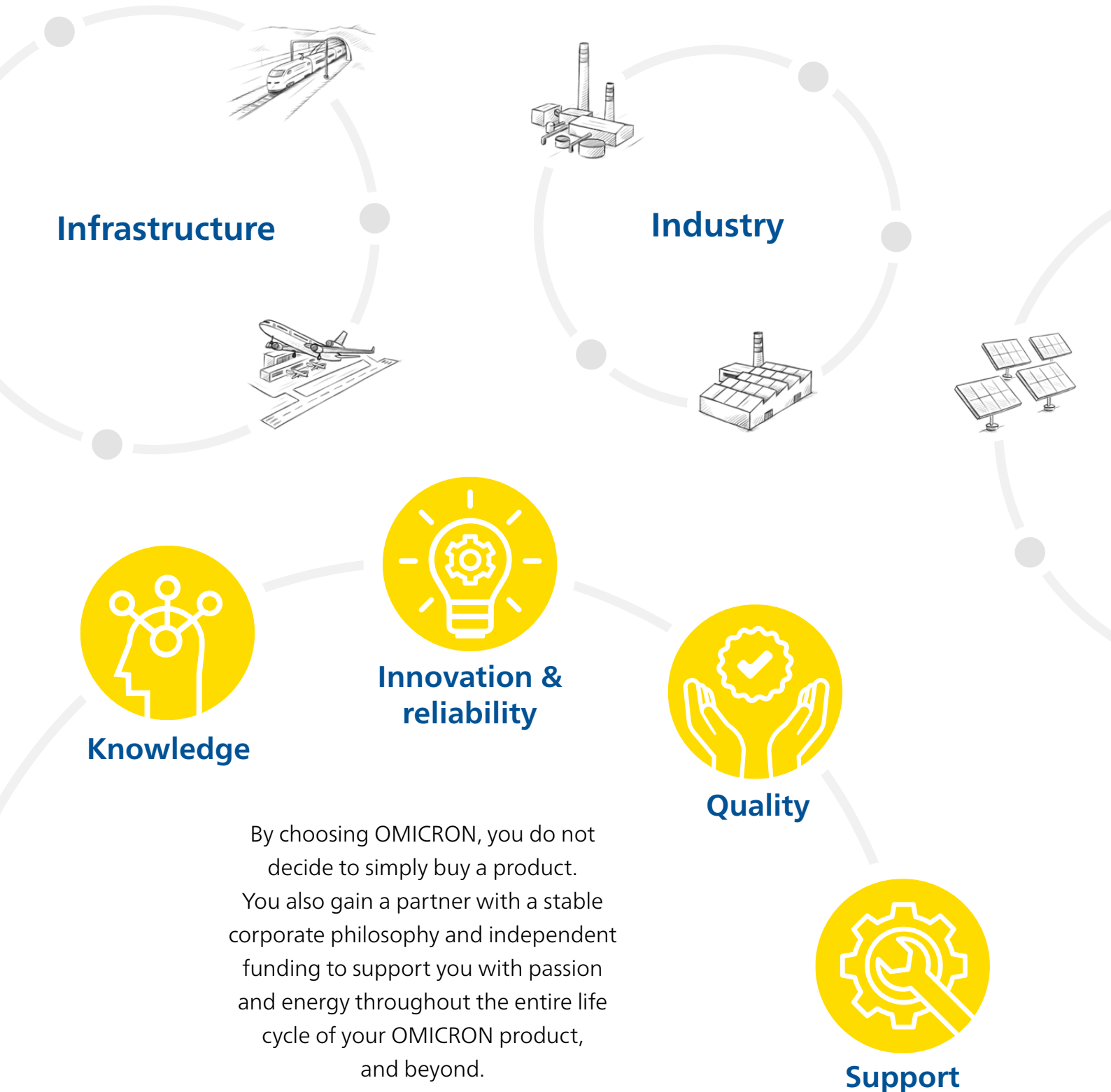


OMICRON Products and Solutions

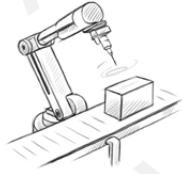


TAILORED TESTING AND MONITORING SOLUTIONS

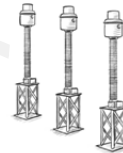


Learn more on page 18

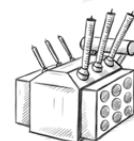
Research & manufacturing



Generation



Transmission & distribution



Protection and recloser control testing



IEC 61850 testing and cyber security



Measurement equipment testing



Data and maintenance management



Power transformer testing and monitoring



Instrument transformer testing



Circuit breaker / switchgear testing



Motor / generator testing and monitoring



Partial discharge analysis and monitoring



Cable testing and monitoring



Transmission line testing



Grounding system testing





Protection and recloser control testing

Multi-phase test set



CMC 500

Modular, multi-phase protection relay test set and commissioning tool

Get to know the CMC 500



omicon.energy/cmc500-links

3-phase test sets



CMC 430

Ultra-portable high-precision protection test set and calibrator



CMC 310

Test set for basic three-phase testing

Recloser control test set



ARCO 400

Universal test set for recloser controls



COMPANO 100

Battery-operated primary injection, secondary injection and basic protection test set

Digital substation test set



CMC 850

Dedicated IEC 61850 protection test set for digital substations

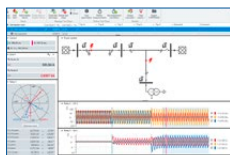


Operation



Test Universe

PC software suite for advanced secondary testing with CMC test sets



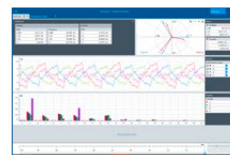
RelaySimTest

Software for system-based protection testing with CMC test sets and ARCO 400



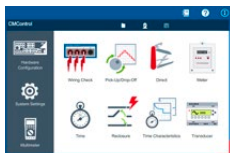
PTL

Creation of specific test templates which adapt automatically to the actual relay settings



EnerLyzer

Real-time measurement and signal recording for CMC test sets



CMControl P

Intuitive control option for simple manual testing with CMC test sets



CMCheck RE

Automated testing of anti-islanding protection for CMC 310



CMEngine

Programming interface for controlling CMC test sets with user-specific software



CMC Swift

Easy and wireless control of your CMC test sets

Management and planning



ADMO

Maintenance management solution for protection systems



Test Set Management

Manage test sets for maintenance tasks, device specific data, calibration, and repair events



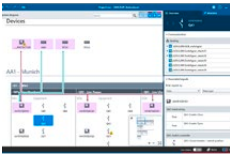
Time Grading

Software for easy creation of time grading schedules



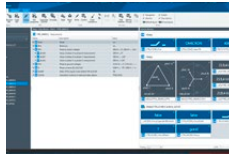
IEC 61850 testing and cybersecurity in energy systems

IEC 61850 testing solutions



StationScout

Software for a clear overview and automated testing of Substation Automation Systems



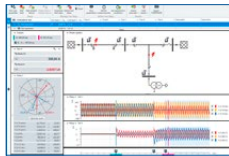
IEDScout

Software for analyzing IEC 61850 IEDs. Available for PC, MBX, RBX and VBX



Test Universe

Software suite for advanced secondary testing on CMC test sets



RelaySimTest

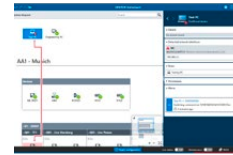
Software for testing protection systems with Sampled Values and GOOSE



DANE0 Control

Software for simultaneous analysis of GOOSE, Sampled Values and analog/binary signals

Cybersecurity solutions



StationGuard

Software for functional security monitoring, asset lists, and intrusion detection for IEC 61850 and IEC 104



GridOps

Central management system for StationGuard with vulnerability and asset management





Software-independent platforms for StationGuard, StationScout and IEDScout



RBX

Permanently installed 19-inch platform for cybersecurity and testing applications



MBX

Mobile and DIN rail mountable platform for cybersecurity and testing applications



VBX

Virtual machine platform for cybersecurity and testing applications

Test sets



DANE0 400

Measurement and recording device for analyzing signals and network traffic with DANE0 Control



CMC family

Versatile protection testing using GOOSE, Client/Server (MMS) and Sampled Values



CMC 850

Dedicated IEC 61850 protection test set for digital substations



CPC 100

Universal primary test set with the ability to receive IEC 61850 Sampled Values

Accessories



EMCON 200

PTP transparent Ethernet media converter powered by PoE



OTMC 100p

Antenna integrated PTP grandmaster clock for the use in Substation Automation Systems



TICRO 100

Device for synchronization of non-PTP equipment to the PTP grandmaster of an IEEE 1588/PTP infrastructure



Testing of meters, transducers and power quality meters

3-phase test set



CMC 430

Ultra-portable high-precision protection test set and calibrator

Multi-phase test set



CMC 500

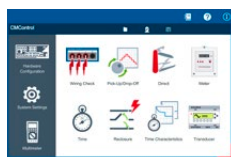
Modular, multi-phase protection relay test set and commissioning tool

Operation



Test Universe

Software suite for advanced secondary testing on CMC test sets



CMControl P

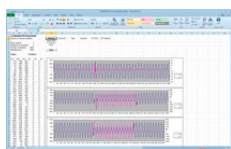
Intuitive control option for simple manual testing with CMC test sets

Management



ADMO

Convenient asset and testing management



CMEngine

Programming interface for developing user-specific test software for CMC test sets



Data and maintenance management

ADMO



ADMO is an easy-to-use database software for central planning and management of all testing and maintenance activities for protection systems in the power industry.

Modules for ADMO



ADMO
Maintenance management solution for protection systems

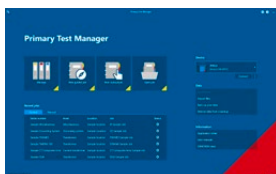


Test Set Management
Manage test sets for maintenance tasks, device specific data, calibration, and repair events



Time Grading
Software for easy creation of time grading schedules

Primary Test Manager (PTM)



The Primary Test Manager (PTM) software supports you during diagnostic tests on circuit breakers, current and voltage transformers, rotating machines, grounding systems, power transformers as well as associated equipment such as bushings and on-load tap changers (OLTC).

A high-performance database ensures that the installed equipment and the associated test plans can be managed easily. With the module "PTM DataSync", you can synchronize your database to a central server in order to share and consolidate important asset information company-wide.



PD



Power transformer testing and monitoring



TESTRANO 600

Three-phase test system for all common conventional tests on power transformers



TESTRANO 600 + CP TD12

Three-phase test system expanded for dissipation/power factor measurements



CPX 200

Multifunctional test device for electrical diagnostics on various assets, with optional High Current Module available



CPX 200 + HVX10

Universal test system expanded for dissipation/power factor, capacitance and insulation resistance measurements



FRANEO 800

Sweep frequency response analyzer (SFRA) for core and winding diagnosis



DIRANA

Dielectric response analyzer for moisture determination in oil-paper insulations



CT Analyzer

Current transformer test system, e.g. for bushing current transformers



MPD 800

Universal partial discharge (PD) measurement and analysis system



UHF 800

Ultra-high frequency (UHF) partial discharge measurement and analysis system



Get to know the CPX 200



omicronenergy.com/cpx200



PDL 650

Acoustic partial discharge localization test system



MONTESTO 200

Portable on-line partial discharge measurement and temporary monitoring system



TANDO 700

High-precision test system for dissipation/power factor and capacitance measurements



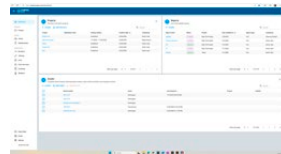
CPC Sync

Portable HV source for partial discharge and voltage withstand tests on dry-type transformers



CPXpert

Software for testing and managing data from CPX 200 measurements



CORTEX Grid

Platform for data management, data assessment and reporting



PD



Instrument transformer testing



CT Analyzer

Current transformer test and calibration system



VOTANO 100

Voltage transformer test and calibration system



CPX 200

Multifunctional test device for electrical diagnostics on various assets, with optional High Current Module available



COMPANO 100

Portable primary and secondary injection and basic protection test set



DIRANA

Dielectric response analyzer for insulation condition assessment



CPX 200 + HVX10

Universal test system expanded for dissipation/power factor, capacitance and insulation resistance measurements



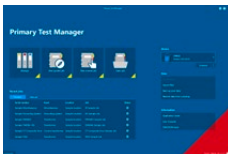
MPD 800

Universal power discharge measurement and analysis system



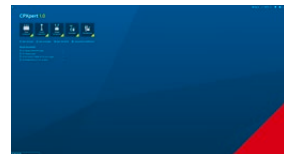
TANDO 700

High-precision test system for dissipation/power factor and capacitance measurements



Primary Test Manager

Software for testing and management of primary assets



CPXpert

Software for testing and managing data from CPX 200 measurements

Circuit breaker / switchgear testing



CPX 200

Multifunctional test device for electrical diagnostics on various assets, with optional High Current Module available



CPX 200 + HVX10

Universal test system expanded for dissipation/ power factor, capacitance and insulation resistance measurements



CPXpert

Software for testing and managing data from CPX 200 measurements



PARADIMO 100

Ultra-high-frequency partial discharge monitoring system for GIS and GIL



COMPANO 100

Basic test set, e.g. for single-phase timing tests



CT Analyzer

Current transformer test and calibration system, e.g. for GIS current transformers



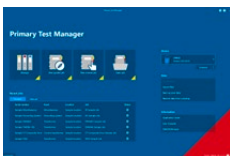
UHF 800

Ultra-high frequency (UHF) partial discharge measurement and analysis system



CPC 100 + CP RC

Voltage withstand test on GIS with power voltage transformer



Primary Test Manager

Software for testing and management of primary assets



CIBANO 500 + CB MC2 + CB TN3

Circuit breaker test system for timing, micro-ohm and motion tests with integrated power supply



Motor / generator testing and monitoring



CPC 100

Universal primary injection test system for electrical diagnostics on various assets



CPC 100 + CP TD15 + CP CR600

Universal test system expanded for dissipation/power factor measurements, incl. high-voltage source



MONTESTO 200

Portable on-line partial discharge measurement and temporary monitoring system



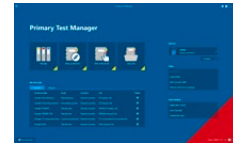
MPD 800

Universal power discharge measurement and analysis system



MONGEMO

Partial discharge monitoring system for rotating machines



Primary Test Manager

Software for testing and management of primary assets



TANDO 700

High-precision test system for dissipation/power factor and capacitance measurements



DIRANA

Dielectric response analyzer for insulation condition assessment



Partial discharge analysis and monitoring



MPD 800

Universal power discharge measurement and analysis system



UHF 800

Ultra-high frequency (UHF) partial discharge measurement and analysis system



MONTESTO 200

Portable on-line partial discharge measurement and temporary monitoring system



MONCABLO

Permanent on-line partial discharge monitoring system for high-voltage cables



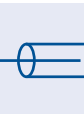
MONGEMO

Partial discharge monitoring system for rotating machines



PARADIMO 100

Ultra-high-frequency partial discharge monitoring system for GIS and GIL





Cable testing and monitoring



CPC 100 + CP CU1

Universal test system expanded for impedance and k-factor measurements



MPD 800

Universal power discharge measurement and analysis system



UHF 800

Ultra-high frequency (UHF) partial discharge measurement and analysis system



TANDO 700

High-precision test system for dissipation/power factor and capacitance measurements



MONTESTO 200

Portable on-line partial discharge measurement and temporary monitoring system



MONCABLO

Permanent on-line partial discharge monitoring system for high-voltage cables



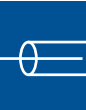


Transmission line testing



CPC 100 + CP CU1

Universal test system expanded for impedance, k-factor and mutual coupling measurements



Grounding system testing



CPC 100 + CP CU1 + HGT1

Universal test system expanded for ground impedance, and step and touch voltage measurements

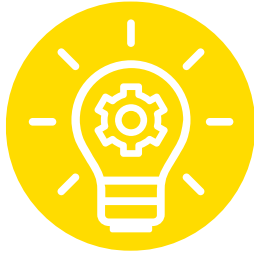


COMPANO 100 + HGT1

Basic test set for ground impedance, and step and touch voltage measurements in small stations

Continuous software maintenance and upgrades

More than 200 software developers ensure our software tools stay up-to-date in the long term.



Safe operation

We use state-of-the-art technology for a maximum level of security: guided workflows, simple wiring concepts, fiber-optical connections, safety accessories, manuals in many languages.

Innovation and long-term reliability

Time-saving solutions

Our solutions help you to reduce your testing time with test templates, one-button-tests, automated test procedures and reduced wiring efforts.

Large investments in R&D

We invest over 15% of our annual sales in R&D to continually set groundbreaking standards in our industry.



Run-in tests for every device

Assembled devices pass high-voltage tests as well as an environmental test where the device is exposed to temperature changes for 72 hours.

Quality for your lasting success

100% routine testing

We test each individual component and module prior to assembling.

Compliance with international standards

We are compliant with ISO 9001, ISO 14001, OHSAS 18001, TÜV and EMAS.

Made in Austria and Germany

All our devices are produced in Austria and Germany and guarantee highest quality during production. Our suppliers are long-term partners in the region.

Knowledge at your fingertips

Training centers

Make use of the hands-on training possibilities in our well-equipped training centers all around the world and become familiar with both the asset and the product.

OMICRON Academy

Broaden your knowledge in customized on-site training, more than 300 training courses and free webinars. Benefit from expert trainers, high-quality training material and from exchanging experiences with other students.

Expert knowledge from standard committees

Get the latest information from standard committees by our experts.



User meetings, seminars and conferences

Exchange with peer users and industry experts and learn about the latest technological trends at OMICRON events worldwide.

Knowledge library

Receive free access to a huge user network (over 15,000 people) and thousands of interesting papers and application notes.

Rental devices

Benefit from our rental device offer when you are in need of a device.



24/7 technical support

Reach one of our highly qualified and experienced support engineers – immediately and directly via our technical support hotline. Benefit from our global support network with extensive product and application knowledge – 24 hours, 7 days a week.

Americas:	+1 713 830 4660 +1 800-OMICRON
Europe / Middle East:	+43 59495 4444
Asia-Pacific:	+852 3767 5500
India:	+91 11 3057 5429
Australia:	+61 3 9473 8400 1 800 223 177 (toll free)

Repair and calibration

We deal with repair and calibration services in a cost-effective and non-bureaucratic manner.

Worldwide network

Get local support around the world thanks to 25 offices and our worldwide Sales Partner network.

Support whenever you need it

Engineering services

Benefit from our experts' knowledge for consulting, testing and diagnostics.

Our vision

We innovate with passion.

We create the best place to work.

We change the world for the better.

About us

Where it all began

OMICRON was founded in 1984 by Rainer Aberer who had a special vision for his company.

Unfortunately, we lost Rainer in a tragic accident in 2009, but his philosophy still inspires our company culture: we believe in a work setting that entrusts each member of our team with a lot of responsibility. The diverse backgrounds, nationalities and experiences of our colleagues are seen as a fertile ground on which ideas can flourish.

Our working practices encourage team-work and open communication among colleagues and with our customers. An atmosphere of mutual co-operation encourages people to share their ideas, thoughts and opinions. We feel inspired by being able to find new answers that address our customer's unique challenges and requirements.

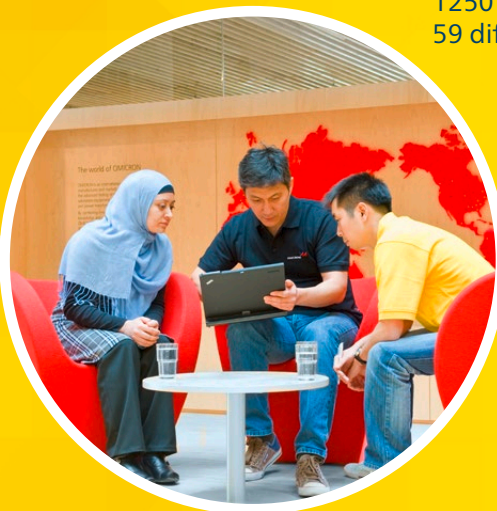
In this way, we have been able to create an exciting and motivational environment in which we develop our innovative products and services.

*»Create an environment with no artificial limits where a team of excellent members can reach an excellent performance and enjoy working (having fun) together at the same time. This team should get its recognition for **providing the best solutions to the customers.**«*

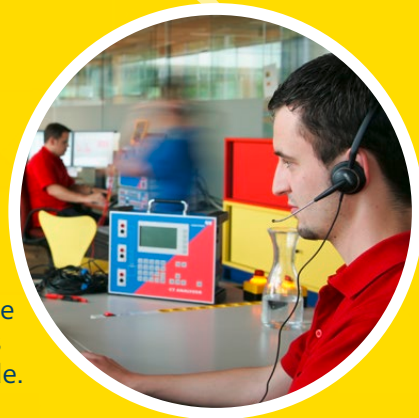
Rainer Aberer, founder of OMICRON

Today we ...

... have more than
1250 employees from
59 different nations.



... operate
23 offices
worldwide.



... are proud of having
customers in over
170 countries.



... have transferred our
ownership into the OMICRON
trust, a legal entity, which
provides a stable basis for
the company's long-term
development.



... invest a fixed share of
our annual profit into social
projects dedicated to support
underprivileged children.



OMICRON is an international company that works passionately on ideas for making electric power systems safe and reliable. Our pioneering solutions are designed to meet our industry's current and future challenges. We always go the extra mile to empower our customers: we react to their needs, provide extraordinary local support, and share our expertise.

Within the OMICRON group, we research and develop innovative technologies for all fields in electric power systems. When it comes to electrical testing for medium- and high-voltage equipment, protection testing, digital substation testing solutions, and cybersecurity solutions, customers all over the world trust in the accuracy, speed, and quality of our user-friendly solutions.

Founded in 1984, OMICRON draws on their decades of profound expertise in the field of electric power engineering. A dedicated team of more than 1250 employees provides solutions with 24/7 support at 23 locations worldwide and serves customers in more than 170 countries.

