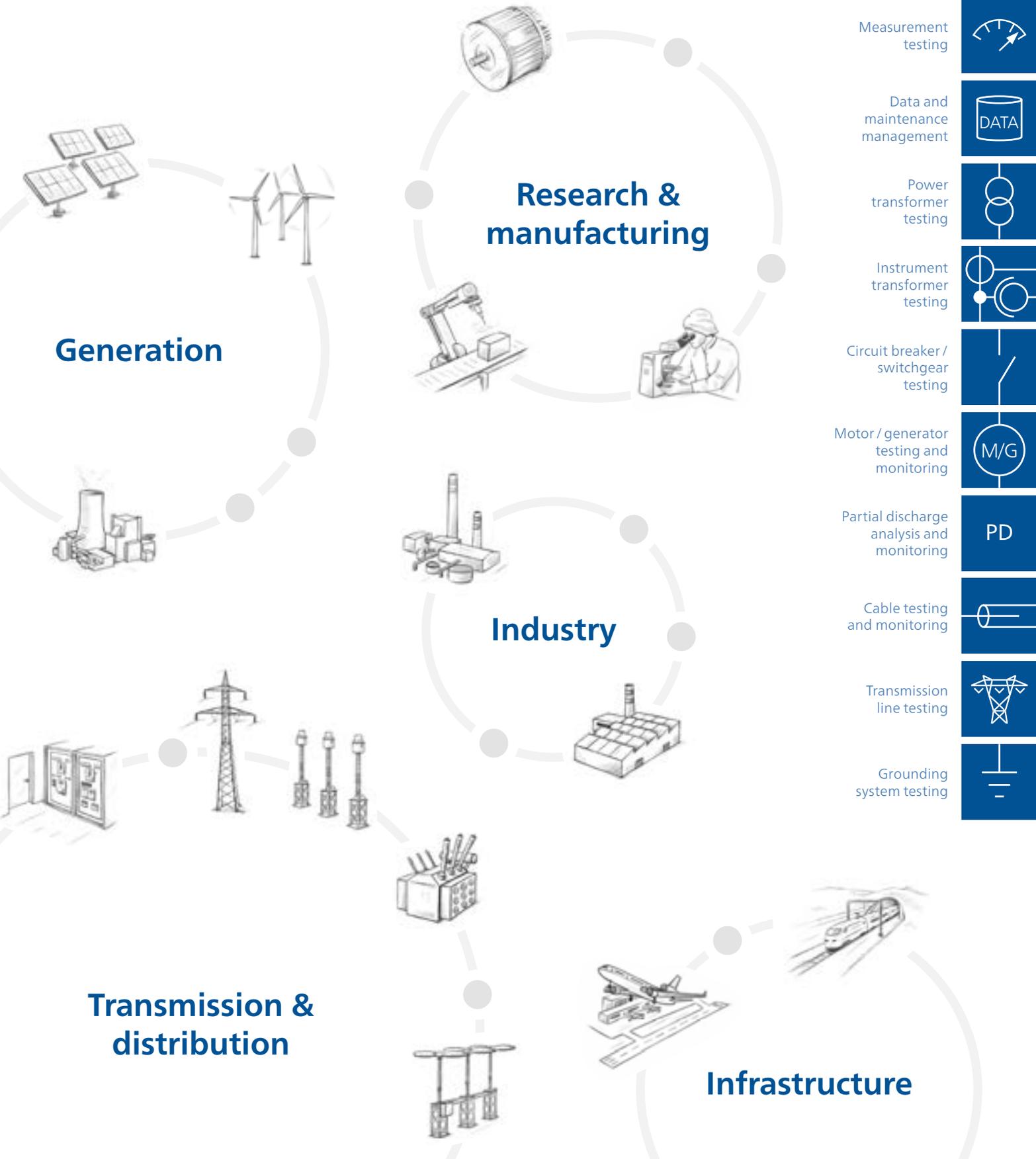


OMICRON Products and Solutions



TAILORED TESTING AND MONITORING SOLUTIONS

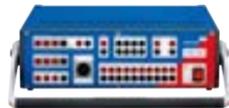




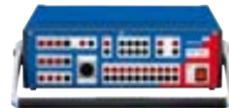
Protection and recloser control testing



6-phase test sets



CMC 356
Universal relay test set and commissioning tool

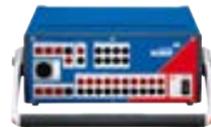


CMC 256plus
High-precision relay test set

3-phase test sets



CMC 430
Ultra-portable protection test set and calibrator



CMC 353
Compact and versatile three-phase relay test set



CMC 310
Test set for basic three-phase testing

Recloser control test set



ARCO 400
Universal test set for recloser controls

1-phase test set



COMPANO 100
Battery-operated primary injection, secondary injection and basic protection test set

Digital substation test set



CMC 850
Protection test set dedicated to IEC 61850

Operation



Test Universe
PC software suite for advanced secondary testing with CMC test sets



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

Management



ADMO
Maintenance management solution for protection systems

Planning



Time Grading
Software for easy creation of time grading schedules



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



CMControl P
Intuitive control option for simple manual testing with CMC test sets



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





IEC 61850 testing



Test sets



CMC family
Versatile protection testing devices



DANE0 400
Signal analyzer for simultaneous analysis of analog signals and messages in the network



CMC 850
Dedicated IEC 61850 protection test set for digital substations



CPC 100
Universal test set for HV assets with the ability to evaluate IEC 61850 Sampled Values



ISIO 200
Flexible device for provision of additional local binary inputs and outputs



TICRO 100
Device to easily synchronize non-PTP equipment to the PTP grandmaster of an IEEE 1588/PTP infrastructure

IT security

Cyber security is a top-priority topic for OMICRON. For example, the MBX1 test set helps you to protect your substation by isolating the test PC from the substation network when working with StationScout and IEDScout. Many cyber security hardening measures in the MBX1 test set ensure that this isolation is effective. OMICRON engineers are also involved in the implementation of cyber security measures for power utilities. Contact us to find out how we can help you.

Test software and accessories



StationScout
Software tool for visualizing the communication as per IEC 61850 for a clear overview of the substation



IEDScout
Software tool for analyzing and displaying the data models of all manufacturers' IEDs



SVScout
Software tool for visualizing IEC 61850 Sampled Values



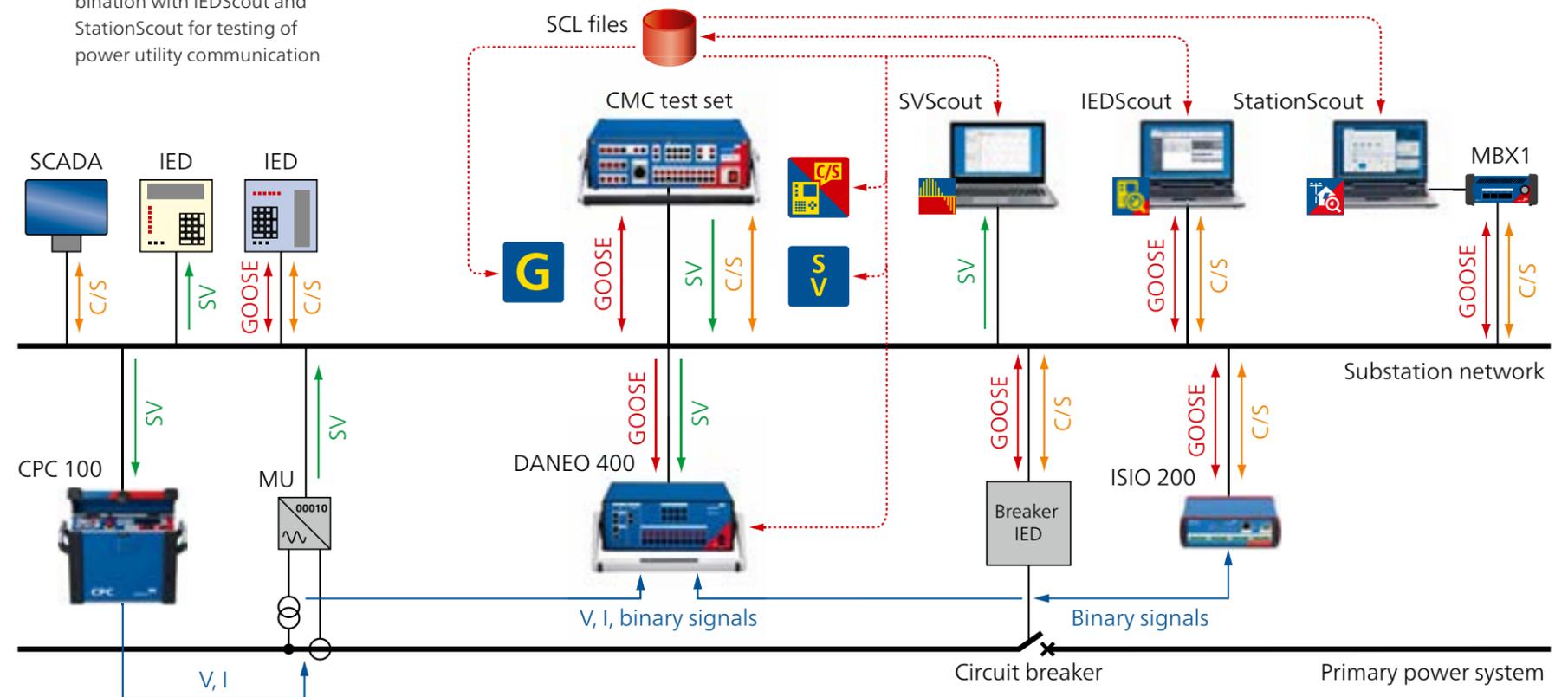
MBX1
Test set which is used in combination with IEDScout and StationScout for testing of power utility communication



EMCON 200
Ethernet media converter that connects fiber- and copper-based networks



OTMC 100p
Grandmaster clock providing the exact IEEE 1588-2008 time signal on the network as per IEC 61850-9-3



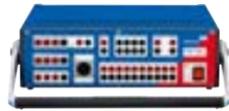


Testing of meters, transducers and power quality meters

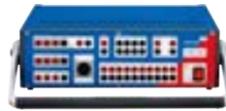


Data and maintenance management

6-phase test sets



CMC 256plus
High-precision test set & calibrator



CMC 356
Universal secondary test set



CMC 430
Ultra-lightweight high-precision test set & calibrator

Operation



Test Universe
PC software suite for advanced secondary testing with 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

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



InSight
The ADMO dashboard processes the asset and maintenance data available in ADMO and displays it using widgets.



Test Set Management
Enables you to add the test sets you use for your maintenance tasks, store test set specific data, schedule test set calibration, and keep track of repair events.



Time Grading
This module supports you in creating your 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.





Power transformer testing



TESTRANO 600
Three-phase test system for all common conventional tests on power transformers



TESTRANO 600 + CP TD1
Three-phase test system expanded for dissipation/power factor measurements



CPC 100
Universal primary injection test system for electrical diagnostics on various assets



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 100 + CP TD1
Universal test system expanded for dissipation/power factor measurements



FRANEO 800
Sweep frequency response analyzer (SFRA) for core and winding diagnosis



DIRANA
Dielectric response analyzer for moisture determination in oil-paper insulations



CPC 80 + CP TD1
Dedicated dissipation/power factor test system



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



Primary Test Manager
Software for testing and management of primary assets



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



MPD 600
High-end partial discharge measurement and analysis system



MPD 500
Basic partial discharge measurement and analysis system





Instrument transformer testing



Circuit breaker / switchgear testing



CT Analyzer
Current transformer test and calibration system



VOTANO 100
Voltage transformer test and calibration system



CPC 100
Universal primary injection test system for electrical diagnostics on various assets



COMPANO 100
Portable primary and secondary injection and basic protection test set



CIBANO 500 + CB MC2 + CB TN3
Circuit breaker test system for timing, micro-ohm and motion tests with integrated power supply



CPC 100
Universal primary injection test system for electrical diagnostics on various assets



CPC 100 + CP TD1
Universal test system expanded for dissipation/ power factor measurements



DIRANA
Dielectric response analyzer for insulation condition assessment



CPC 100 + CP TD1
Universal test system expanded for dissipation/ power factor measurements



CPC 80 + CP TD1
Dedicated dissipation/ power factor test system



TANDO 700
High-precision test system for dissipation/ power factor and capacitance measurements



CPC 80 + CP TD1
Dedicated dissipation/ power factor test system



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



MPD 600
High-end partial discharge measurement and analysis system



MPD 500
Basic partial discharge measurement and analysis system



Primary Test Manager
Software for testing and management of primary assets



MPD 600 + UHF 620
High-end partial discharge measurement and analysis system for GIS



CPC 100 + CP RC
Voltage withstand test on GIS with power voltage transformer



Primary Test Manager
Software for testing and management of primary assets



Motor / generator testing and monitoring

Partial discharge analysis 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 600

High-end partial discharge measurement and analysis system



MPD 500

Basic partial discharge measurement and analysis system



PDL 650

Acoustic partial discharge localization test system



MPD 600

High-end partial discharge measurement and analysis system



MPD 500

Basic partial discharge measurement and analysis system



MONGEMO

Partial discharge monitoring system for rotating machines



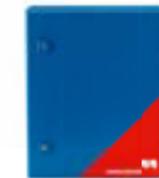
MONTESTO 200

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



TANDO 700

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



DIRANA

Dielectric response analyzer for insulation condition assessment



Primary Test Manager

Software for testing and management of primary assets



Cable testing and monitoring



CPC 100 + CP CU1
Universal test system expanded for impedance and k-factor measurements



MPD 600
High-end 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
Basic test set for ground impedance, and step and touch voltage measurements in small stations



Innovation & reliability



Quality



By choosing OMICRON, you do not decide to simply buy a product. You also gain a family-owned partner with a stable corporate philosophy and independent funding to support you with passion and energy throughout the entire life cycle of your OMICRON product, and beyond.

Knowledge



Support



Learn more



Quality for your lasting success

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.



100% routine testing

We test each individual component and module prior to assembling.

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.

Compliance with international standards

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

Safe operation

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



Innovation and long-term reliability

Large investments in R&D

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

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.

Continuous software maintenance and upgrades

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

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)

Rental devices

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



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 24 offices and our worldwide Sales Partner network.

Engineering services

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

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.

Support whenever you need it

Today we ...

... have more than 700 employees from 45 different nations.



... operate 24 offices worldwide.



... are proud of having customers in over 160 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.



About us

Our vision

We innovate with passion.

We create the best place to work.

We change the world for the better.

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

OMICRON is an international company serving the electrical power industry with innovative testing and diagnostic solutions. The application of OMICRON products allows users to assess the condition of the primary and secondary equipment on their systems with complete confidence. Services offered in the area of consulting, commissioning, testing, diagnosis and training make the product range complete.

Customers in more than 160 countries rely on the company's ability to supply leading-edge technology of excellent quality. Service centers on all continents provide a broad base of knowledge and extraordinary customer support. All of this together with our strong network of sales partners is what has made our company a market leader in the electrical power industry.

