TAILORED TESTING AND MONITORING SOLUTIONS

Protection and recloser control testing
IEC 61850 testing
Measurement testing
Data and maintenance management
Power transformer testing
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

Research & manufacturing

Generation

Industry

Transmission & distribution

Infrastructure
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 reclosers

1-phase test set
- COMPAND 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
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.
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.

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

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.

### 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.

### 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

### 3-phase test set
- CMC 356
  - Universal secondary test set

### 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

### Management
- **CMEngine**: Programming interface for developing user-specific test software for CMC test sets

### 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).

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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

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

**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

**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

**Primary Test Manager**
Software for testing and management of primary assets
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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

Partial discharge analysis and monitoring

- **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

- **TANDO 700** High-precision test system for dissipation/power factor and capacitance measurements
- **DIRANA** Dielectric response analyzer for insulation condition assessment
- **MONTESTO 200** Portable on-line partial discharge measurement and temporary monitoring system
- **MONGEMO** Partial discharge monitoring system for rotating machines
- **MONCABLO** Permanent on-line partial discharge monitoring system for high-voltage cables
- **MONTESTO 200** Portable on-line partial discharge measurement and temporary monitoring system
- **MONGEMO** Partial discharge monitoring system for rotating machines

- **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 + HGT1**
  Universal test system expanded for ground impedance, and step and touch voltage measurements

**Grounding system testing**

- **COMPANO 100**
  Basic test set for ground impedance, and step and touch voltage measurements in small stations
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.
Large investments in R&D
We invest over 15% of our annual sales in R&D to continually set groundbreaking standards in our industry.

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.

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

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.

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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.

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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.

Expert knowledge from standard committees
Get the latest information from standard committees by our experts.

Worldwide network
Get local support around the world thanks to 24 offices and our worldwide Sales Partner network.

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

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.

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

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.

User meetings, seminars and conferences
Exchange with peer users and industry experts and learn about the latest technological trends at OMICRON events worldwide.

Engineering services
Benefit from our experts’ knowledge for consulting, testing and diagnostics.

Support whenever you need it
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 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.