

MAINTENANCE

We make sure that your high-voltage test system works reliably.



MAKE SURE THAT YOUR TEST SYSTEM IS RELIABLE!

Stay on the safe side with regular maintenance.

We cannot prevent your test system from ageing. However, regular maintenance will enable us to detect the wear in good time so that appropriate measures can be taken.



YOUR ADVANTAGES OF REGULAR MAINTENANCE



RELIABILITY

You prevent unscheduled downtime.

- Systems that are regularly maintained ensure smooth production processes.
- During the maintenance, any wear on the test system is recognized in good time and can be dealt with.
- Time for troubleshooting and the costs for unexpected major repairs can be avoided.
- Downtimes in the test field can be reduced.



QUALITY ASSURANCE

You benefit from stable processes and workflows in the test field.

- Maintenance and repairs to plants are a fixed part of the quality management system (ISO 9001, section 6.3).
- IEC 60060-2 also requires high-voltage measurement systems to be inspected on a regular basis.
- After verification, the high-voltage test system and the measurement systems proof the quality of your products. Deviations in your products can be identified in good time – prior to delivery.



HEALTH AND SAFETY AND THE ENVIRONMENT

You ensure that safety remains high.

- Due to the hazard potential of high-voltages and in order to meet occupational health and safety requirements, it is very important that in particular the safety, protection and monitoring devices are regularly inspected and checked.

WHAT IS CHECKED?

- Control functions
- Connections and cables
- Feed components
- High-voltage components

During the maintenance, all the parameters of the test system that are required for testing of the equipment (transformers, cables etc.) are checked:

- Test system parameters during operation, e.g. control accuracy for the voltage, wave form, time parameters
- Measurement systems, in particular the high-voltage measurement system, partial discharge measurement system

- Earthing devices, earthing and protection against accidental contact
- Safety and monitoring functions
- Potential leakages or other damage to the insulating system
- Checking of the cooling systems



Training for your employees and calibration of your test systems are further measures for ensuring the reliability of your systems.

TRAINING

Plants and systems that are operated by qualified employees run more reliably and make for smooth, trouble-free testing procedures.

HICADEMY Training Program

- Various modules reflecting the different areas of duties of the participants in order to provide effective training
- Competent, experienced training team
- Complex situations are explained clearly and with the aid of practical exercises.
- Keeping the number of participants low helps to optimize learning success.
- We can offer individually tailored and exclusive training courses for your employees on request.



Further information: hicaademy.highvolt.com

HI|CADEMY

CALIBRATION

Calibration of the measurement systems is essential for verification of the test results.

Calibration Laboratory

- DAkkS* accredited calibration laboratory
- Traceable to the national standards of PTB**
- For voltage, current, power, capacitance and loss factor
- Calibration in our own calibration laboratory or on site
- Calibration of reference measurement systems

* Deutsche Akkreditierungsstelle, national accreditation body for Germany

** Physikalisch-Technische Bundesanstalt, National Metrology Institute of Germany



Further information: calibration.highvolt.com

DAkkS registration number D-K-19153-01-00

WE WILL BE HAPPY TO SEND YOU AN OBLIGATION FREE OFFER.

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