



## Testing for power transmission and distribution equipment

# TEST CERTIFICATION

## Independent laboratory testing for low-, medium-, and high-voltage components

VEIKI-VNL Electric Large Laboratories Ltd. in Budapest, Hungary as a DEKRA company serves independent testing environment for type and development testing and certification for manufacturers of T&D equipment, power grid operators, utility companies and power plants to have proven safe and reliable products, which will be installed into the electrical network.

VEIKI-VNL is an accredited **Testing Laboratory** (ISO/IEC 17025), a **Product Certification Body** (ISO/IEC 17065) and a member of the Short-Circuit Testing Liaison (**STL**).

Wide range of our opportunities ensure manifold testing on almost all categories of power transmission and distribution equipment from power plants to electricity consumers.

### Testing services

- › Short-circuit withstand tests (short-time and peak withstand current)
- › Short-circuit arcing tests (internal arcing, power arc)
- › Current making and breaking tests
- › Temperature-rise and heat run tests
- › Heat-cycle tests
- › Lightning-, switching impulse voltage tests
- › Power-frequency voltage tests
- › RIV and Corona measurements
- › Partial discharge measurements
- › Measurement of noise level
- › Mechanical tests (tensile, vibration, etc.)
- › Thermal-mechanical tests
- › Aging tests
- › Reliability tests on equipment for nuclear power plants

### Products we can test

- › Distribution and power transformers
- › Low-, medium-, and high-voltage switchgears and panels
- › Circuit-breakers and switches
- › Busbar trunking systems
- › Reactors
- › Neutral grounding resistors
- › Voltage and current measuring transformers
- › Compact, prefabricated or pocket substations
- › Capacitor banks
- › Fuses
- › Surge arresters
- › Overhead line and grounding conductors and its fittings
- › Cables and cable accessories
- › Insulators and insulator sets
- › Live line working equipment
- › Earthing and short-circuiting devices
- › Safety related nuclear power plant equipment



## About DEKRA

DEKRA has been active in the field of safety for more than 95 years and is one of the world's leading expert organizations in testing, inspection and certification. Our qualified and independent experts work for safety on the road, at work and at home. Among other things, DEKRA tests and certifies consumer, industrial, automotive and ICT products, medical devices and equipment used in explosive atmospheres for worldwide markets. DEKRA's mission is to be the global partner for a safe world.

## Your benefits with DEKRA

### › Expert knowledge of standards

Our colleagues have thorough knowledge of standards, supported by their active participation in consortia and standardization groups

### › Widely recognized certificates

Our test certificates and test reports are widely recognized and accepted by grid operators, utility companies, end-users, governments, and more, all around the world

### › Flexible testing routes

We offer flexible testing routes in our laboratories in Hungary, the United Arab Emirates, China and the Netherlands. In addition, our Dutch and China-based high-voltage inspection teams witness type testing at manufacturers' sites and/or third-party laboratories around the world, including Europe, the Middle East, South Korea, China, Japan and the USA.

## Contacts

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