

# HV BUSHINGS

EGU – HV Laboratory a.s. has a long term experience with the HV bushings testing according to IEC 60137 and IEEE C57.19.00 covering the whole range of bushings type testing.

## BUSHINGS

Full type testing of transformer bushings, wall bushings, oil-oil bushings, different types: oil, SF6, dry

## CANTILEVER LOAD WITHSTAND TEST

- Bushing rates: up to 550 kV system voltage
- Top terminal loading (IEC) & condenser side loading (IEEE)
- High cantilever loading levels

## TEMPERATURE RISE TEST

- Transformer bushings, wall bushings, oil-oil bushings
- Bushing rates: up to 550 kV system voltage
- High current test transformer 10 kA
- On-line current and temperature monitoring

## TIGHTNESS TEST

- Testing acc. to IEC 60137, cl. 8.11 & 9.8–liquid filled bushings
- Test chamber 5 600 mm × 900 mm
- Oil pressurized controlled temperature of 75 °C
- On-line temperature monitoring and storage

## THERMAL STABILITY TEST

- Bushing rates: up to 550 kV system voltage
- On-line temperature and tan  $\delta$  monitoring
- Conductor losses simulation

