

TESTING OVERVIEW

EGU HV Laboratory is internationally recognized and fully independent testing house with 65 years of continuous experience in HV testing and consultancy. The HV Laboratory is accredited for testing for more than 25 years. The R&D department has a vast and long-term experience in consultancy and development at a power engineering area.

EGU HV Laboratory has applied successfully for an STL membership and participating in Technical committee meetings.

TESTING FACILITIES

- Four HV testing rooms
- High Voltage Testing: AC, DC, Lightning impulse, Switching impulse
- High Current Testing: Temperature rise tests, Heat cycle tests
- RIV, PD, $\tan \delta$ and C measurements
- Mechanical testing
- Thermal-mechanical testing
- Pollution testing, material testing

TESTING FACILITIES

AC testing

1200 kV, 1,2 A
500 kV, 6 A
200 kV, 10 A
250 kV, 1 A
Multiseries Resonant System 600 kV, 2A

DC testing

300 kV, 50 mA

Impulse testing

four Impulse Generators
up to 2600 kV (LI)
up to 1600 kV (SI)

Mechanical testing

600 kN / 5 m (tension)
20 kN / 1 m (cantilever)

Thermal-mechanical testing

500 kN / 3,5 m (tension)
250 kN / 2,2 m (tension)
50 kN / 1,8 m (cantilever)
Temperatures: -60 °C ÷ +80 °C

POLLUTION AND AGEING TESTING

- 1000h salt fog test chambers
- Tracking-wheel testing
- Pollution test chamber: 475 m³
- Tents: 200 m³ + 40 m³ (clean fog)

IEC & CIGRE

- Company experts have been active as members of several IEC and CIGRE working groups for many years

