



CATALOGUE

TESTING LABORATORY

TESTING AND VERIFICATION OF SWITCHBOARDS
AND SWITCHBOARD INTERNAL EQUIPMENT

ISO 9001:2009
ISO 14001:2005

ivep[®]

TESTING

Comprehensive verification of switchboards, incl. type tests as per the stipulations of the ČSN EN 60439-1 standard (temperature rise test, insulation tests, tests of protection degree, short-circuit tests)

Partial tests and type tests of LV and compensation switchboards, panels, civil construction site switchboards and cable distribution cabinets as per the stipulations of the ČSN EN 60 439-1 to ČSN EN 60 439-5 standards (highest values: temperature rise tests to $I_c = 4000$ A AC; short-circuit tests up to $I_{cw} = 30$ kA; verification of protection degree up to IP 48)

Determination of switchboard temperature rises using the extrapolation method to ČSN IEC 890+A1

Voltage tests on HV systems and switching devices, impulse voltage up to 1.2 MV, AC test voltages up to 500 kV/50-200 Hz; DC test voltages up to 50 kV

Power tests; short-circuit tests of electrical systems incl the testing of breaking capacity with testing values up to 418 V/30 kA/100 ms, dynamic shock 70 kA, DC current tests using testing currents of 4 kA max. 750 V

Mechanical and electrical endurance tests on LV devices

Seismic tests and tests of resistance to vibrations and drop tests to IEC 980 and ČSN EN 60068-2, vibrations up to the mass of 50 kg, acceleration up to 100g, frequency 8 - 1000 Hz, drop mass up to 50 kg, acceleration up to 40 g

Official verification of instrument transformers (up to 145 kV, 30 kA) and the measurement of magnetic properties and characteristics

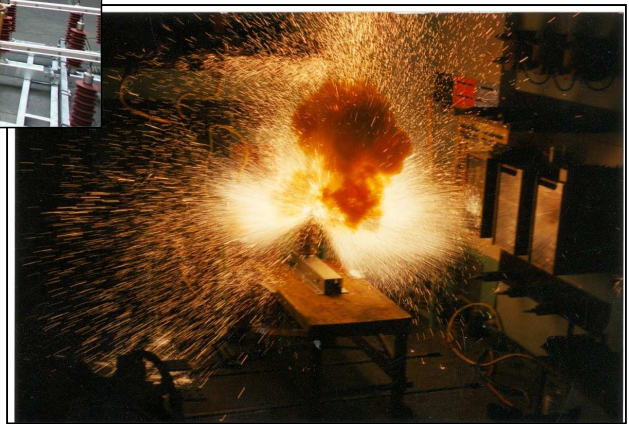
Testing of work aids for power engineering to the PNE 35 9700/2010 standard

Consultancy and advisory services in switchboard production and testing

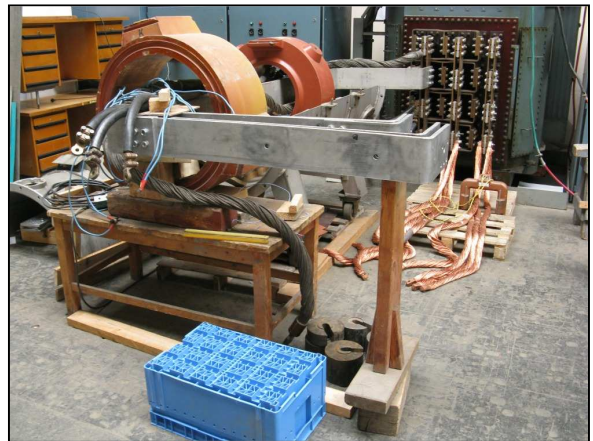
HIGHT VOLTAGE LABORATORY

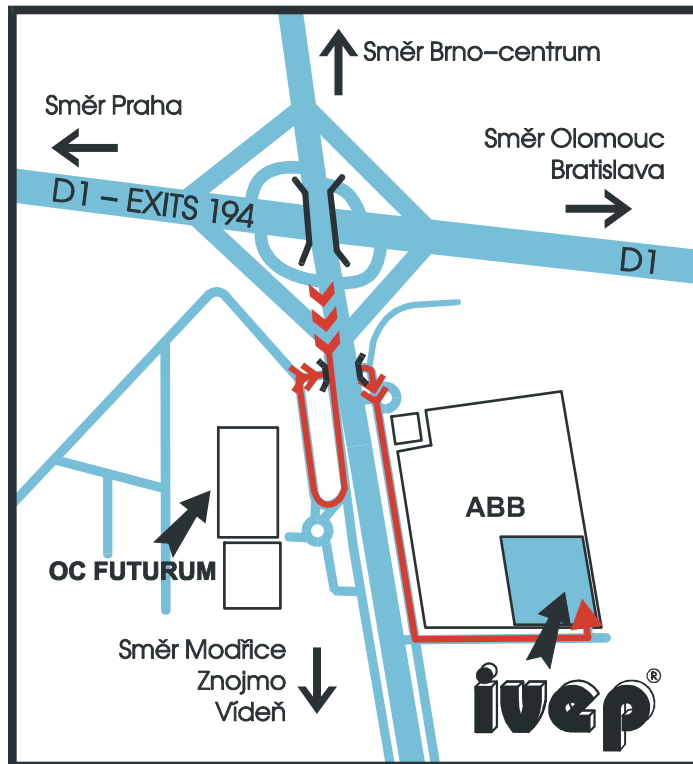


HIGHT POWER LABORATORY



TESTING LABORATORY - HALL





IVEP, a.s.
Vídeňská 117a, 619 00 Brno, Czech Republic

Tel.: +420 547136 654 e-mail: marketing@ivep.cz
Fax: +420 547136 402 [http:// www.ivep.cz](http://www.ivep.cz)

