



CERAMIC AND COMPOSITE PRODUCTS TESTING

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EXPERTISE
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CONSULTING

Core equipment

- Haefely 700 kV 35 kJ lightning impulse generator
- 125 kV AC system with rain chamber
- Mechanical testing machines up to 300 kN
- Unique thermal-mechanical chamber up to 300 kN (max temp + 55 °C, min temp - 45 °C)
- Thermal analyzer 1000 °C
- SEM and AFM microscopy
- Dilatometer (1000 °C)
- Salt chamber with high voltage system

Ceramic and composite insulators

Research Services

Mechanical and electrical testing
Thermal-mechanical testing
Examination of the materials
Aging tests
Expertise
Consulting

Products and materials

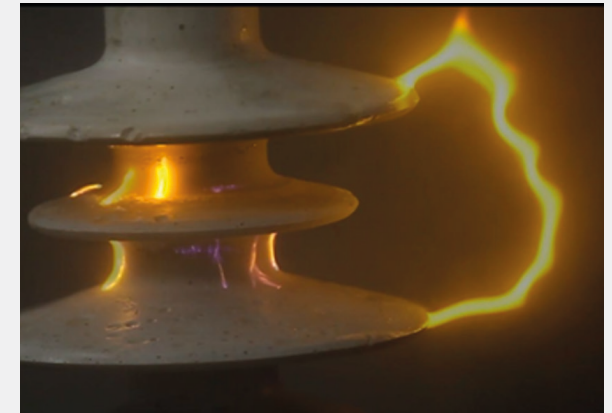
Low, medium and high voltage
Insulators:

- ceramic (including traction Insulators)
- composite
- polymeric
- made of organic materials

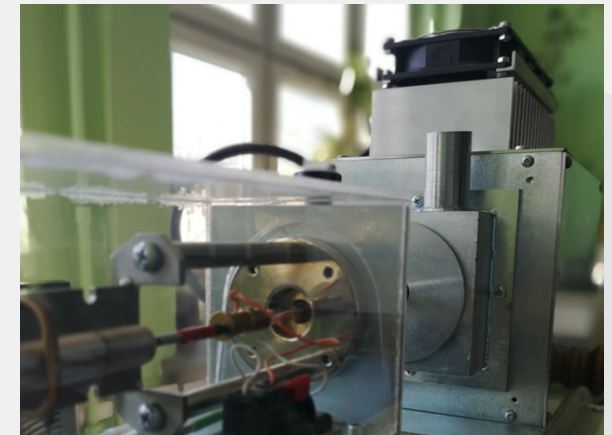
Surge arresters without gaps



AB 067



High voltage tests - electrical strength



Materials testing

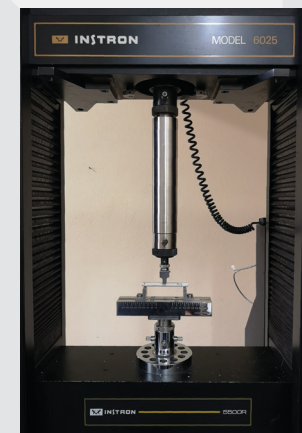
**Over 75 years of
experience in the fields
of electrical engineering,
materials engineering
and mechanics**

Laboratory

The unit is accredited by the Polish Centre
for Accreditation – No. AB067

Specialized and unique measurement
equipment

Calibrated instruments and test stands



Mechanical strength

