

# Laboratories **CPT**<sub>LAB</sub>



**CPT** cirprotec

# Laboratories - CPT Lab

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CIRPROTEC is equipped with over 1000m<sup>2</sup> of LAB installations. CPT does thus have recourse to these key technological resources to perform most of the required testing in the manufacture and verification of electrical equipment. The CPT-LAB is moreover a powerful instrument for the realisation of applied research in the field of phenomena such as lightning strikes, electrical perturbations and microdisruptions, etc.

Testing in the Labs is always performed in accordance with the strictest international norms and directives such as IEC60871-1, IEC-61643-1, IEC-60076-3, IEC-60060-1, etc.

**THE CPT LABS ASSURE THE  
QUALITY OF CPT PRODUCTS**

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## VERIFICATION AND TESTS:

Useful life

Combined climatic

Salinity and corrosion

Protection of enclosures (IP)

Glow-wire test



## EMC/EMI:

Electromagnetic compatibility

(conducted and radiated)



## METROLOGY:

Metrological tests according to MID norms

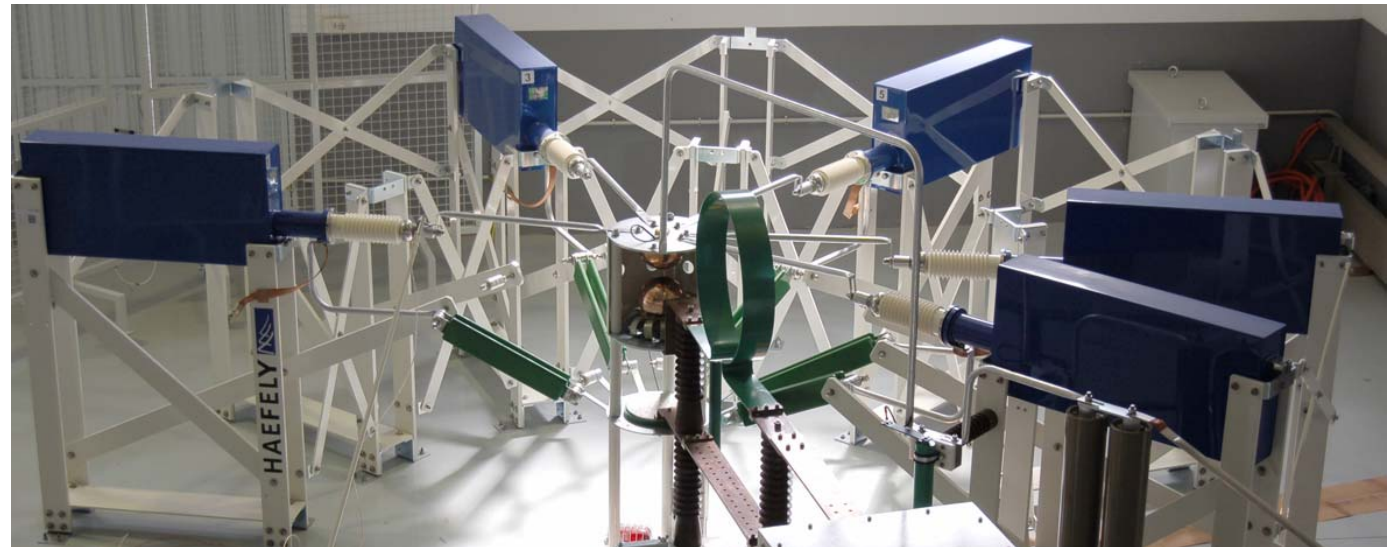
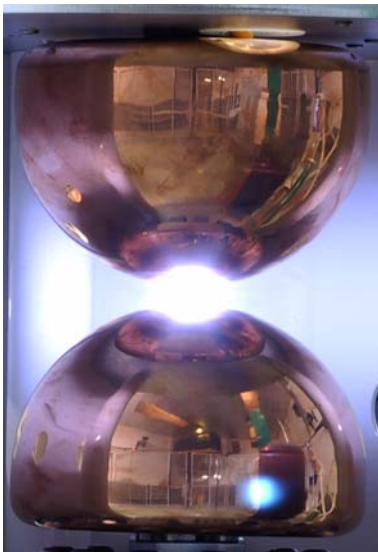
## TRANSFORMERS' LAB

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## HIGH VOLTAGE LAB

In terms of power surge generation, this is a state of the art lab and it is therefore to be counted amongst the most important ones in Europe. The lightning generation technology simulates strike impulses and allows to study and test all those parameters defining the performance of surge protection devices.



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## HIGH VOLTAGE LAB

It is on this basis that CPT develops and guarantees the efficiency of its protectors. Beside other electrotechnical tests, the LAB has been equipped to simulate lightning strikes according to normalised curves of 8/20  $\mu$ s and 10/350  $\mu$ s with up to a 150kA discharge capacity. Impulse voltage tests according to the 1,2/50  $\mu$ s curve can also be carried out.

