



# On site testing services for protective and measurement devices

We provide our resources and competencies to offer tailor-made on-site intervention. We are able to propose our expertise on different technological levels and various generations of equipment in Control & Command applications.

## Description of the services

- Testing of **all relay generations** (electromechanical, static, digital) **from all manufacturers**:
  - Right operation of the closing and tripping circuits
  - Checking of the pick-up and trip of protection functions
  - Calibration of measurement devices (transducers, meters, measurement units)
  - Checking of the instrument transformers secondary circuits (connection, consumption)
- **Preparation of injection sequences** and ramps
- Supply of a **test plan before testing and a test report** at the end of the intervention



## Your objectives

**Safety for people and property**

**Periodic regulatory checks, requested by insurance companies**

**Continuity of service**

**Protection and measurement equipment performance and reliability evaluation**

## Equipment generations

- Electro-mechanical
- Analogue
- Digital

## Resources

- Omicron 6I 4U injection case
- Multimeters
- ESSAILEC & SECURA current voltage injection units

## Accreditations

- Electrical: B2 / BR / H1 / H2
- Chemical: UIC Level 2
- EXAT: ISM-EXAT Level 1

## References



### Entreprise TEMBEC, paper:

- 63 kV and 5.5 kV relays
- 90 relays of all generations tested in a week
- Resources: 2 Omicron 6I 4U injection cases

### Other references:

ENEDIS / RTE / SOLVAY / FERROPEM / ALCATEL / ARJOWIGGINS / ARCELORMITTAL / SAFE METAL

## Certifications



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Commitment for a sustainable performance

