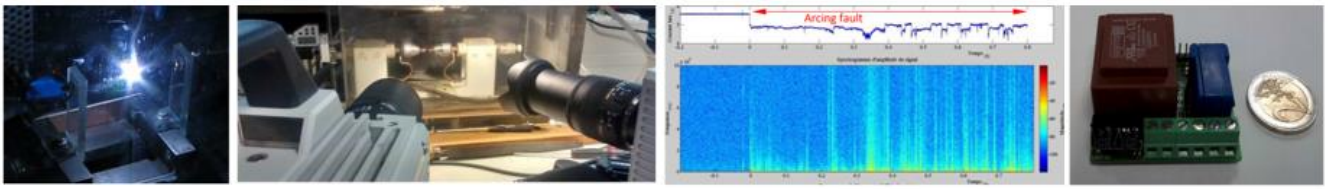
Our skills

Electronic Measurements and Architectures: Electric arc faults characterization, detection and localization in low-power installations



YOUR NEEDS

- Testing of circuit breaker systems in the presence of electrical arcing faults
- Component tests in presence of electrical arcing faults
- Strategies for electrical arc detection and protection of low-voltage electrical systems
- Discharge phenomena characterization

RELATED SKILLS

- Development and control of plasma processes
- Embedded electronic circuit design
- Thermoelectricity

OUR SOLUTIONS

- Tests and measures of detection performance
- Performing industrial studies (long or occasional)
- Carrying out research projects
- Pressurized test chamber
- Test signal database construction
- Device for creating arc defects (carbon path)
- 100m long instrumented electrical line
- Measure instruments:
  - 270 V DC power supply
  - 115 V – 400 Hz AC power supply
  - Fast camera
  - Spectrometer

OUR REFERENCES

Esterline, hager, General Electric, EDF, SAFRAN, AIRBUS

KEYWORDS

Electric arcs, arc fault detection, arc plasma characterization, performance testing, pressurised chamber, random signals, instrumental chains, signature analysis

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