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THE ELECTROTECHNICAL PLATFORM

THE EPICENTRE

OF RAILWAY INNOVATION



The Electrotechnical Platform  
provides customized solutions and  
testing in line with your needs

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# The AEF-SNCF's electrotechnical platform

The electrotechnical laboratory excels in its testing of a diverse range of electrical equipment.

It performs highly specialized tests on components such as circuit breakers, electrical cabinets, transformers, converters, cables, insulators and contact strips, among many others.

## Its purpose?

- To obtain product qualification and to study product performance in line with a standard or technical specification.
- To check the compliance of a product within a series.
- To ensure that equipment is functioning correctly.
- To assess the potential life cycle of a part.
- To perform tests in line with customer needs and specifications.

Reliability, precision and expertise are what define our commitment to ensure optimum performance of each electrical part undergoing our expert analysis.

# Added benefits of the electrotechnical platform



## 01 WIDE RANGE OF EQUIPMENT TESTED

Examine a diverse range of electrical equipment by making use of the opportunities available in our laboratory to test a variety of devices.



## 02 FLEXIBLE AND VERSATILE TEST RESOURCES

Take advantage of our flexible and versatile test resources to address a variety of requirements, tailored specifically to our customers' needs.



## 03 CONTROLLED TEST ENVIRONMENT

Perform tests in a controlled environment, particularly incident simulations which, due to their nature, cannot be performed in the original facilities.



## 04 CLOSE COOPERATION WITH OUR CUSTOMERS

Play an active role in performing these tests, working closely with our team of experts. Have access to the platform while performing the tests, making real-time adjustments during testing.



## 05 ELECTROTECHNICAL EXPERTISE

Draw on our laboratory team's electrotechnical expertise. We are here to help you throughout the process, from defining the test requirement to a detailed analysis of the results.

# Our commitments



## ENDURANCE TESTS

Assessing the potential life cycle of an electrical part.



## FUNCTIONAL CHECKS

Equipment compliance, equipment compatibility, qualification.



## INCIDENT SIMULATION

Reproducing on a platform incidents encountered during operation.



With its multi-functional test resources, the electrotechnical platform offers a varied range of test configurations:

- Functional checks to ensure compliance and compatibility, or for fine tuning and qualifying your electrical equipment. The COFRAC-accredited laboratory conducts these checks in line with customer specifications or standards.
- Endurance tests are conducted to assess the potential life cycle of electrical parts.
- Incident simulations are used to reproduce on the platform incidents encountered during operation. Due to the nature of these tests, they cannot be performed outside a test.