

# CENTROTECNICA

*stress to ensure*

## VIBRATION AND SHOCK TESTS FOR RAILWAY SECTOR

ACCREDITED  
LABORATORY



LAB N° 1439 L

- Over 30 years experience in the environmental testing, especially for vibration, shock and combined tests.
- One of the most equipped range of shakers in Europe.
- A whole range of machines for drop, compression, altitude, acceleration and impact test.
- Climatic chambers for climatic and combined test (vibration and temperature).

Centrotecnica offers a wide range of testing services for the railway industry, in particular vibration and shock tests that simulate the real application, with the possibility of carrying out tests in accreditation regime according to the UNI CEI EN ISO/IEC 17025:2018\* standard.

Thanks to the large number of shakers equipped with slip tables (for tests along the horizontal axes), Centrotecnica is able to offer excellent flexibility and short waiting times for the execution of tests in according to the main international and national standards.

Our long experience in the sector allows us to support you also in the drafting of campaigns for ad hoc tests for specific needs.

Furthermore, our fixture department is able to support you in the design and implementation of custom fixtures, studied on the basis of the technical requirements of the product and of the test.

\*accreditation by Accredia (certificate n° 1439 L).

### MAIN STANDARD E PROTOCOLS USED

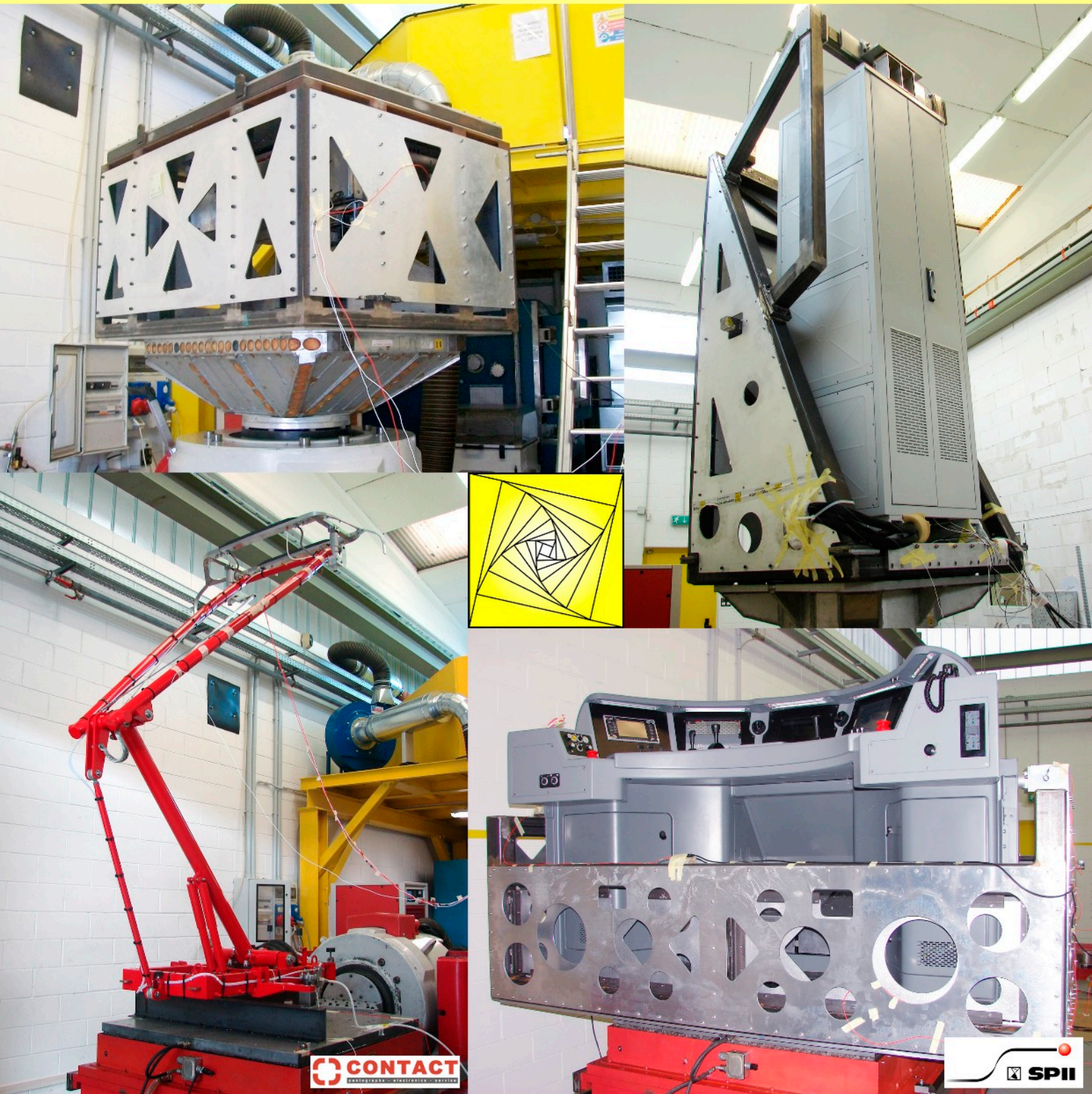
**IEC 61373:2010 / EC 1:2011 - EN 50155:2017\* - DI TCSS ST IS 00 402 A\*\***

\* In accordance with IEC 61373:2010 / EC 1:2011

\*\* In accordance with IEC 60068-2-27:2008 - IEC 60068-2-64:2008 - IEC 60068-2-6:2007

**For info or RFQs, pls contact us at: [info@ctecnica.it](mailto:info@ctecnica.it) - phone: +39(0)255305888**

**Examples of vibration and shock tests on various types of railways samples conducted at the Centrotecnica test laboratory.**



**EXAMPLES OF TEST ITEMS:**

PANTOGRAPH - MANIPULATOR - BRAKE CALIPER - MANEUVER CAB

COMPARTMENT DOOR - ELECTRICAL PANEL

COMPONENTS BODY MOUNTED, BOGIE MOUNTED OR AXLE MOUNTED