

Road Mobility

BROKERAGE
EVENT

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**Research & development projects and testing services in EN/ISO 17025
accredited lab with over 1000 rigs.**

 **All type of Electric and hybrid vehicles and powertrains: LDV/HDV, Buses, NRMM, marine, e-motor, e-axle, battery modules/packs and components**

 **Type approval (homologation), COP, ISC and ISV tests**

Interest in ALL calls organised by: Egvia2Zero, CCAM, BATT4EU



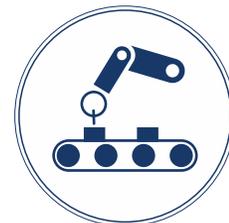
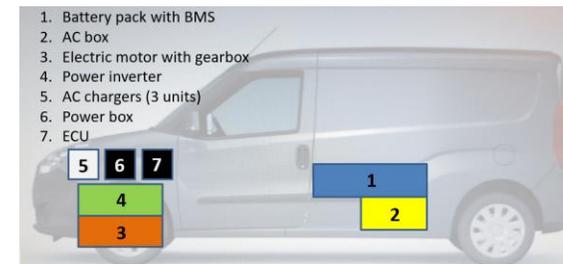
Battery Testing E/E Integration | Electric Vehicles

Battery modules/packs and components testing according to legal (e.g Reg. 100, ISO16750, ISO 12405) and customized test procedures

E/E integration of battery pack, battery management system (BMS) including protocol design, component and system level functional testing

Electric vehicle testing: laboratory research on the chassis dynamometer in climatic chamber for energy consumption and range measurements.

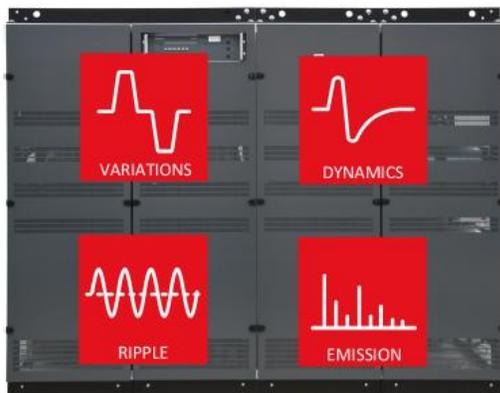
On-road testing for mileage accumulation tests



Electrical tests and EMC/ESD testing

tests under electrical power sink/cycling up to 250 kW and 1500 VDC

- ALSE chamber CISPR25, ISO 11452, MIL-STD-461G (full-compliance)
- RF system for testing according to ISO 11452-2, ISO 11452-4, ONZ Reg.10 Rev.06 20MHz-2GHz (rev.7 - 6GHz), PSA Group B21 7110D, VW TL81000, BMW GS 95002-2, FCA CS-00054, Ford FMC 1278, MBN 50284-2
- HV system for electrical tests of batteries, inverters, e-drives according to ISO 21498-2 Ed.2, VW80300, ISO 7637-4



BATTERY



E-MOTOR



TEST BENCH



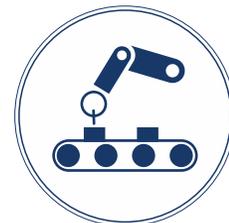
Other testing activities

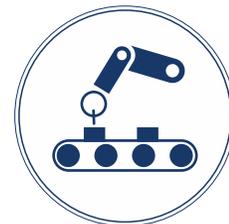
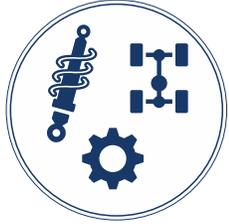
Mechanical tests: resistance to vibration and mechanical shocks, impact test

Environmental tests: air-water thermal shocks, corrosion testing, exposure to dust and water, immersion tests

Abuse testing: fire resistance, thermal runaway test

Material and chemical testing and analysis





BOSMAL Cooperation with EC JRC and Cracow University of Technology (CUT) AREAS for COOPERATION:

Electromobility, batteries, Clean propulsion ((LD,HD,NRMM,Marine), Fuel-cells & H2

CUT has signed Collaboration Agreement with EC JRC – potential support from JRC to projects, free access to JRC’s EMC Lab and JRC’s battery lab.

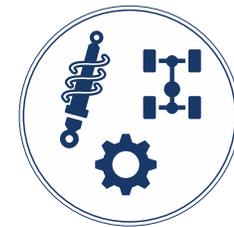
CUT is offering:

- Experience in testing battery in computer tomography test bed
- Experience in battery modelling – see paper <https://doi.org/10.3390/en19020312>
- Experience in circular economy – see paper <https://doi.org/10.3390/ma18245608>

CUT has Interdisciplinary Center for Circular Economy.

Selected HORIZON EUROPE calls

- HORIZON-CL5-2026-05-D5-02: Energyefficient software-defined EVs (2ZERO Partnership)/ 14 Apr 2026
- HORIZON-CL5-2026-06-Two-Stage-D5-19: Non-exhaust emissions in road and railway transport/14 Apr 2026
- HORIZON-CL5-2027-03-D5-04: Demonstration of zero emission coaches and buses in long distance operations (2ZERO Partnership)/ 14 Apr 2027
- HORIZON-CL5-2026-03-D2-02: Development of direct recycling processes (BATT4EU Partnership) /31 Mar 2026
- HORIZON-CL5-2026-05-D5-01: Large-scale demonstration of Heavy-Duty Battery Electric Vehicles (HD BEV) towards long-haul logistics operations (2ZERO Partnership)/ 14 Apr 2026
- HORIZON-CL5-2027-05-D2-08: Demonstration for Long-duration Battery Energy Storage Systems (BATT4EU Partnership)/ 15 Sep 2027
- HORIZON-CL5-2026-10-D2-03: Integrated Production and Product Development for NextGeneration Lithium-based Batteries for Mobility (BATT4EU and Made in Europe Partnerships)/ 08 Oct 2026
- HORIZON-CL5-2026-09-D2-01: Producing battery-grade materials for electrodes through sustainable processing and refining of raw materials or developing bio-based materials (BATT4EU Partnership)/ 15 Sep 2026



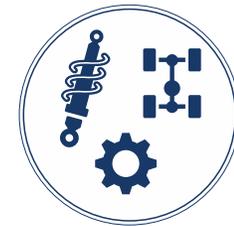
Selected HORIZON EUROPE calls

HORIZON-CL5-2027-03-D5-06: Fire prevention and mitigation for EVs in confined areas
(2ZERO Partnership)

HORIZON-CL5-2027-08-D5-18: Enhanced electric operation and battery durability
(ZEWT Partnership)

HORIZON-CL5-2027-06-Two-Stage-D2-07: Novel approaches towards next-generation battery concepts, leveraging the enabling role of innovative advanced materials
(BATT4EU and IAM4EU Partnerships)

HORIZON-CL5-2027-05-D5-04: Demonstration of zero emission coaches and buses in long distance operations



Thank you & Welcome for cooperation

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