



TESTED AND TRUSTED

AVL E-Mobility Testing Solutions

From Component to Complete Vehicle Testing for Battery Electric Vehicles



DID YOU KNOW?

AVL has been a leader in automotive development for over 75 years, providing engineering services, simulation software, and test solutions for all types of powertrains, including internal combustion, hybrid, fuel cell, and battery.

With our intelligent test solutions you can test all kinds of single or combined components, up to the complete vehicle.

To learn more, visit www.avl.com.

In the fast-paced world of e-mobility, you must overcome complex challenges to stay ahead of the competition. We understand the complexities you face as an e-mobility innovator and are ready to support you. In the fast-paced world of e-mobility, you must overcome complex challenges to stay ahead of the competition. success.

Our comprehensive testing solutions, from single products to complete turnkey testing facilities, are designed to address your unique challenges and deliver tangible benefits, allowing you to bring cutting-edge electric products to market efficiently and with confidence.

WITH OUR SOLUTIONS, YOU CAN PERFORM ALL RELEVANT DEVELOPMENT AND PRODUCTION TESTS FOR BEV DEVELOPMENT:

- Battery Testing
- Brake Wear Testing
- Charging Infrastructure Compatibility Testing
- Climate Testing
- Compliance Testing
- Safety Testing
- Durability Testing
- Electric Drive System Testing
- Electromagnetic Compatibility (EMC) Testing
- Environmental Testing
- Inverter Testing
- Noise, Vibration, Harshness (NVH) Testing
- Range and Efficiency Testing
- Road Load Testing
- Software and Firmware Testing
- Thermal Testing
- Transmission Testing
- Vehicle Dynamics and Performance Testing
- Wind Tunnel Testing
- and many more.

Intelligent Software and
Hardware Products

Complete Test Systems
for EV Components and
Vehicles

Test Facility Solutions



Measurement Devices



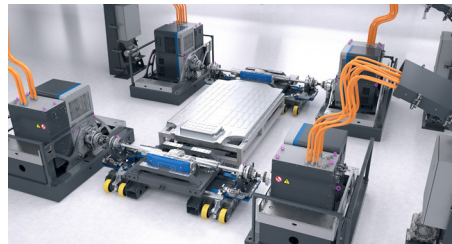
Battery Test Systems



Virtual Reality Services



Testing and Analytics Software



Powertrain Test Systems



Containerized Solutions



AVL SPECTRA Family™



Vehicle Test Systems



Complete Test Facilities

Testing-as-a-Service, Support and Application Services: 24/7, Available Globally.



A Holistic Offering: Individual Products, Complete Systems, and Test Facility Services.

Test Products

- Battery test and emulation products
- Electric dynos and drives
- Advanced measurement technologies
- Data and process software
- Virtual testing solutions

Test Systems

- Test system automation
- Battery cell, module and pack test systems
- HV system integration test systems
- Charging test systems

- E-Motor test systems
- E-Axle test systems
- Inverter test systems
- E-Powertrain test systems
- Vehicle test systems
- Test systems for thermal management, NVH and EMC
- Test Systems for production testing

Test Facility Solutions

- Feasibility studies
- VR visualization
- Energy management solutions
- Containerized or brick-and-mortar solutions

- Test facility operation services
- Testing-as-a-service

Services

- Customer support
- Equipment and software services
- Training
- Application and process services
- Service contracts

Why Partner With Us?

- **Reliable Solutions and Insights**

Leverage our automotive expertise and deep e-mobility knowledge to gain reliable solutions and valuable insights for the development and validation of electric products.

- **Holistic Testing Approach**

Our comprehensive approach covers critical aspects such as battery technology, charging infrastructure, thermal management, and system integration, ensuring comprehensive and reliable results for your e-mobility endeavors.

- **Cost Efficiency**

Optimize your testing processes, enhance efficiency, and make informed decisions to reduce overall development costs with our cost-efficient solutions tailored to your needs.

- **Cutting-Edge Testing Technology**

Stay ahead of the competition with our state-of-the-art testing systems, methodologies, and software. Leverage the latest advancements to navigate the ever-evolving electrification landscape.

- **Industry Insights and Guidance**

Stay competitive with our deep understanding of emerging trends, regulations, and technologies. Benefit from valuable insights and consulting to make informed decisions.

- **Global Reach, Local Expertise**

Benefit from our global presence and local network of e-mobility experts. We provide local support and expertise wherever you operate.

- **Long-Term Partnership**

We are committed to building long-term, trusted partnerships. You are warmly invited to collaborate closely with our experts and receive tailored solutions and support throughout your testing and development journey.



FACT BOX

- Over 5,700 e-mobility experts in the fields of simulation, engineering, and testing
- A globally distributed support network with local expertise
- More than 1,000 installed e-mobility test systems worldwide
- Over 60 completed turnkey system solutions
- 100 % commitment to your projects

Contact us today to unlock your e-mobility potential with our testing solutions. Together, we drive innovation and shape the future of e-mobility!



Reimagining Motion

For a greener, safer, better world of mobility.

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