

# Laboratories

Applus+ IDIADA is a leading company in designing and building state-of-the-art automotive test laboratories.



With more than 30 laboratory projects in our technical centre and many others for clients around the world, we have extensive experience in designing and building automotive testing labs.

Based on our experts and our clients' needs, we have expertise in developing a wide range of laboratories:

- Passive safety labs
- Pedestrian lab
- Road simulator
- KandC laboratory
- Powertrain labs ([e-Motor lab](#), Fuel cells)
- [Battery labs](#)
- **Charging Laboratory**
- Climatic chambers
- Driving Simulator Lab
- Optical Lab
- Tire labs
- Electronic Labs
- EMC labs
- Workshops
- Ancillary buildings such as **control centre**, offices data centre, etc.



One of the key strengths of Applus+ IDIADA's design process is the incorporation of test capabilities and **engineering expertise** from a team of experts in various fields. This results in a comprehensive and detailed design that includes all the key elements required for a successful testing laboratory.

## Technical specifications and support with test equipment suppliers

In addition to the design phase, we also provide valuable assistance during the definition of **technical specifications** and selection of related equipment. As an **independent** company, IDIADA can support clients during the **purchasing process** by analysing test **equipment suppliers' bids** and helping to optimize the scope and capabilities of the equipment. This approach can save our clients significant investments related to test equipment.

Furthermore, we provide support in preparing **RFQs**, analysing test equipment suppliers' **bids**, and reviewing the **detailed design** of the laboratory. With our extensive experience in designing and building successful automotive test facilities, IDIADA is well-equipped to ensure that clients receive the best possible laboratory design and construction.

Our expertise in **commissioning** equipment on site ensures that testing equipment is installed correctly and is fully operational. This comprehensive approach to laboratory design and construction ensures that clients receive a turnkey solution that meets their specific needs and requirements.

Additionally, Applus+ IDIADA can also be your key **partner during the operations**, as a Facility Manager Consultant at different levels: supporting the creation of new spaces or just for supporting or solving daily queries.