



Applus IDIADA

As a **global partner to the automotive industry worldwide** we support our clients in their product development activities by **providing design, engineering, testing and homologation services** to fit their needs.

Our success in product development is built on the combination of highly-experienced and motivated engineers

and best-in-class test and development facilities, client focus and the constant drive towards innovation.

A large team of more than **3.300 professionals**, as well as an international network of subsidiaries and branch offices in **22 countries** ensure clients are given fast and customized service.

COMPLETE DEVELOPMENT PROJECTS

Comprehensive engineering capabilities for turnkey vehicle development projects. Concept, CAD, CAE and testing of all major vehicle functionalities with unique **in-house state-of-the-art facilities**.



CONCEPT FINDING & BENCHMARKING

STYLING & FEASIBILITY

PACKAGE & SURFACING

PRODUCT ENGINEERING DESIGN (CAD)

PRODUCT ENGINEERING SIMULATION (CAE)

DEVELOPMENT TEST

VALIDATION

X-IN-THE-LOOP

Development led by vehicle functionalities and performance

ENGINEERING SERVICES

BODY DEVELOPMENT

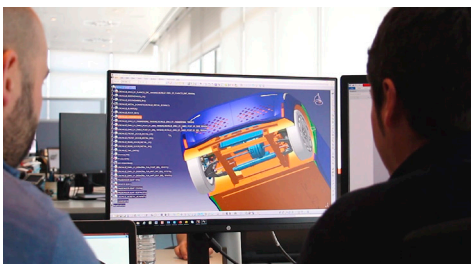
- Body & Closures
- Interior & Exterior trimmings
- Styling & Surfacing
- CAE
- Body performance

PASSIVE SAFETY

- Structural analysis
- Restraint system integration
- Occupant protection
- Pedestrian protection
- Accident reconstruction

CHASSIS DEVELOPMENT

- Tyre development
- Braking systems development
- Vehicle dynamics performance
- Electronic chassis control systems
- Driving simulator
- Virtual Proving Ground



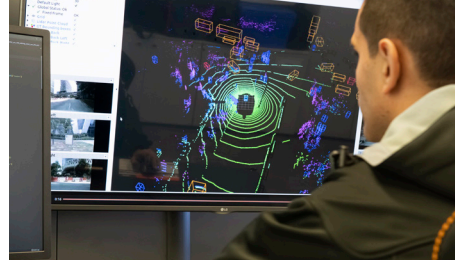
POWERTRAIN

- Integration
- Battery Systems
- e-Motor
- FCEV
- Heavy duty
- Fuel systems and evaporative emissions
- Driving performance
- Advanced powertrain benchmarking



ELECTRONICS

- E/E architecture
- Vehicle-in-the-loop
- Functional safety (ISO 26262)
- Cybersecurity
- Cooperative Intelligent Transport Systems (C-ITS)
- Connected vehicles



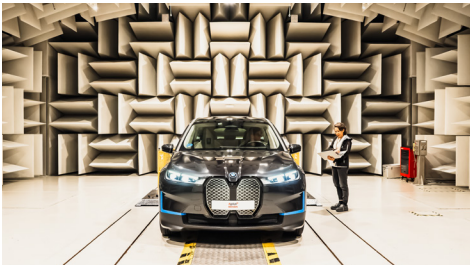
ADAS & CAV

- Automated driving
- Connected vehicles
- System development
- Human factors



NVH

- NVH concept and target definition
- NVH target validation
- Tyre / brake / wind noise
- Powertrain / Interior noise and vibration



HVAC

- HVAC system development and validation
- Thermal comfort



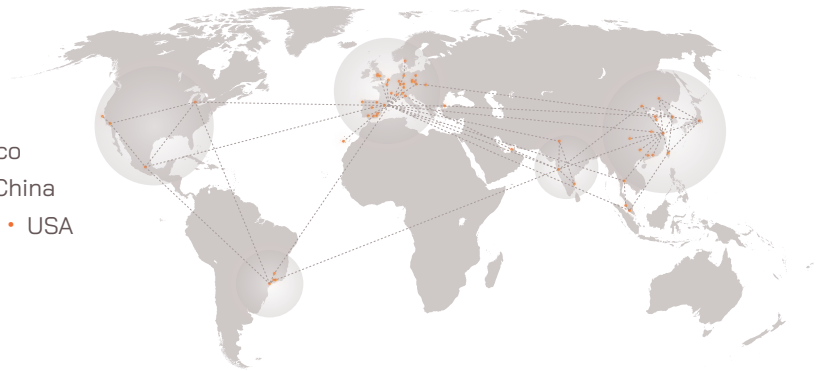
DURABILITY AND RELIABILITY

- Structural, Powertrain and general vehicle durability
- Market driver assessment, road characterization and fleet validation



INTERNATIONAL PRESENCE

Belgium • Brazil • China • Czech Republic • France
Germany • India • Italy • Japan • Malaysia • Mexico
Poland • Slovakia • South Korea • Spain • Sweden • China
Taiwan • Thailand • Turkey • UK • United Arab Emirates • USA



MAIN STRENGTHS AND ADVANTAGES

- Development integration
- Project management
- Integration of CAD, CAE and testing
- Design led by functionality
- Thorough knowledge of all major vehicle functionalities
- Strong international presence

CONTACT INFORMATION

Applus IDIADA USA • 9270 Holly Road • Adelanto, CA 92301, USA

Applus+ IDIADA North America • 100 West Big Beaver Road Suite 200 • Troy, Michigan, USA

For further details, please contact: ✉ idiada_USA@idiada.com ☎ +1 760 246 1672

