



## Applus IDIADA Brazil

Applus IDIADA is a global partner to the automotive industry, supporting its clients in product development activities by providing design, engineering, testing and homologation services.

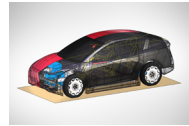
The company has more than 3.300 professionals worldwide and an international network of subsidiaries and branch offices in 22 countries. **In Brazil**, there are **more than 300 people** working in our offices of São Bernardo do Campo (SP), Belo Horizonte (MG), Resende (RJ) and Tatuí (SP) which ensures that our clients get customized, added-value solutions.



Concept finding & Benchmarking



Styling & Feasibility



Package & Surfacing



Product Engineering Design (CAD)



Product Engineering Simulation (CAE)



Development Test



Validation

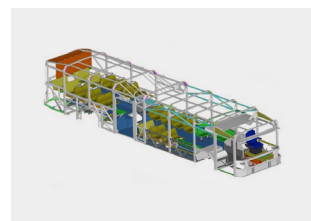
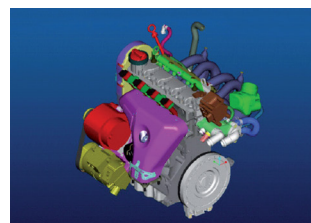


*Development led by vehicle functionalities and performance*

## Applus IDIADA SERVICES IN BRAZIL

### ENGINEERING CAD & CAE AND PROJECT MANAGEMENT

- Braking system
- Body
- Trims
- Closures
- Chassis
- Powertrain
- Eletronics



## TESTING ACTIVITIES IN BRAZIL

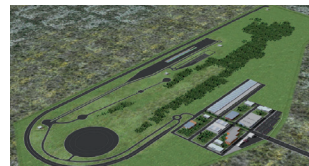
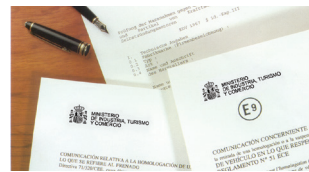
- Complete vehicle, fleet validation, powertrain & structural fatigue durability projects with our local facilities, local test tracks and test team
- Corrosion testing simulating whole vehicle life
- Specific vehicle testing: water / dust intrusion and gravel projection
- Complete brake testing
- AMA cycle
- Coast-down
- Complete vehicle, Vehicle Dynamics, Braking & NVH benchmarks
- Driver assessments in Brazilian market
- After-sales, collecting parts activities and other market studies
- Road Load Data Acquisition
- Engine tuning and performance assessment using either local facilities or our engine test benches in Spain

- Brakes & ESC homologation test
- Brakes durability
- Vehicle Dynamic test
- FOT (field operational test) for ADAS and other systems
- PWT Real Drive Emission & Emission Test Laboratory



## VEHICLE CERTIFICATION SERVICES

- Complete Vehicle and Component Certification according to Latin America, GCC, UN, EU, USA and Brazil
- Pollutant emission test recognition by IBAMA
- Consultancy on compliance with vehicle certification regulations worldwide
- Virtual homologation when accepted by the legislation (R11, R21, R46, R55, R58, R61, R66, R73, R93, R102, R107, R125, R(EU)130/2012, R(EU) 1005/2010, R(EU) 1008/2010, R(EU) 1009/2010, (REU) 1230/2012)



## TESTING FACILITY ENGINEERING

Consultancy and overall support in development of Projects for new Testing Facilities:

- Test tracks
- Engine test facilities
- Crash test laboratories

### 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

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