



Passive Safety Services

Applus IDIADA offers passive safety engineering and testing services for complete vehicle safety development.

ENGINEERING

Our international engineering team based in Europe, China, India, and the USA covers functional integration & project management for turnkey projects, with successful integration of CAD, CAE and testing tools.

RESTRAINT SYSTEM INTEGRATION

Integration of individual restraint system components into the overall vehicle safety performance to achieve effective occupant protection for all impact scenarios.

SPECIFIC ADDED VALUE SERVICES

- Complete safety development programmes for all types of vehicles (high & low volume, ICE, BEV and other alternative fuelled vehicles)
- Support for worldwide safety development strategy
- On-site project management and engineering support
- Benchmarking
- Tailor-made training programmes
- Comprehensive knowledge of requirements of consumer programmes

TESTING

- Full-scale crash test facility (2 in Europe and 1 in USA)
- State-of-the-art laboratories for testing of active pedestrian

protection systems combined with climatic chamber (2 in Spain and 1 in Germany)

- Reverse sled test facility (available in Europe)
- Advanced testing tools available:
 - Advanced crash test dummies (WorldSID, THOR, Qs) and pedestrian impactors (aPLI)
 - Load cell walls (offset, full frontal, pole, rear)
 - IIHS small overlap barrier for LHS and RHS with load cell wall (flat & corner faces)
 - OMDB trolley with load cell wall measurement
- Subsystem testing for specific load cases (small overlap, side impact)
- Official Euro NCAP test house (crash, pedestrian, whiplash test and safety assist)
- Facilities approved for certification testing of emergency response systems (ERA-GLONASS & eCALL)
- Experience in testing all types of powertrains including full electric, HEVs, PHEVs, CNGs, LPGs

MAIN STRENGTHS AND ADVANTAGES

- International project management structure
- Worldwide passive safety testing capabilities through local cooperation
- Strong international presence
- Independence from OEM's and tier 1 suppliers
- Flexibility to accommodate customers' needs

CONTACT INFORMATION

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