

## *Accident investigation and research activities*

### FRAMEWORK: PASSIVE SAFETY ENGINEERING

The Passive Safety Department offers a wide range of engineering services including complete safety development programs for all types of vehicles, restraint system integration, benchmarking and more. The development of these activities creates the perfect environment to carry out accident investigations.

The accident investigation team is fully integrated into Applus IDIADA's Passive Safety Department providing the key knowledge necessary to understand and analyse accident conditions.



### IN-DEPTH ACCIDENT INVESTIGATION

Since 1999 our team of experts in road safety and accident investigation has been providing services worldwide. The investigation methods used are recognised by the main accident investigation groups around Europe.

Applus IDIADA's accident investigation team carries out:

- On-site investigation
- Environment inspection
- Witnesses interview
- Post-accident vehicle inspection
- Virtual simulation of accident
- Injury coding and causation analysis
- Reporting and database



Accident investigation activities aim to provide data from real situations to develop new safety systems, identify high accident rate spots, enable better designs and support awareness campaigns.

## ACCIDENT SIMULATION AND RECONSTRUCTION

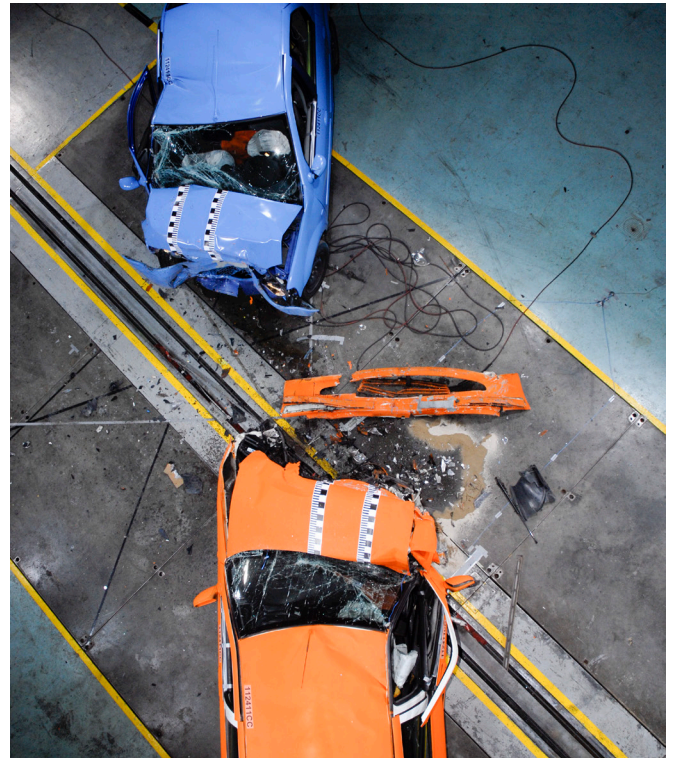
Applus IDIADA is the official provider in Spain and Portugal of the most recognised accident reconstruction software: PC-Crash®. This software is a basic tool to recreating the accident conditions virtually, providing new data and 3D visualisation for a better understanding of the accident characteristics.

The Passive Safety Department's facilities and engineering services make it possible to recreate real accidents with full-scale crash tests. The data obtained is used to develop the biomechanical parameters applied in all technical development projects.

## R+D ACTIVITIES

Applus IDIADA's passive safety engineering activities and accident investigation services qualify it as the perfect partner for research projects.

- European and national research projects
- Research in crash compatibility
- Development of new accident investigation methods
- Accident statistics analysis
- Local solution provider
- Support for policy making



## MAIN STRENGTHS AND ADVANTAGES

- Integration with the product development team
- Full-scale crash test facilities
- Participation in international accident investigation working groups
- In-depth knowledge of vehicle functionalities
- Strong presence
- Support for policy making

### CONTACT INFORMATION

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