



Comprehensive development service from a single source

Passive Safety - High-level occupant protection in a robust crashworthiness environment

Developments in passive safety mean designing vehicles with a maximal reduction of accident consequences for passengers, involved parties and other road users.

A high degree of passive safety is achieved through maximum absorption of energy in the car body, optimized restraint systems and appropriate interior design of the vehicle.

In this way, passive safety is an overall vehicle function, which is to be achieved through optimal interaction between all safety contributors involved.

- CAE material characterization together with testing at ARRK's material laboratory
- Lightweight expertise and simulation of composite material in crash on high confidence level
- Long-term customer relationship to Premium OEMs in Germany and international client portfolio in Japan, China, EU, UK, USA
- Development of CAE methods and development of CAE tool
- In-house HPC Cluster

YOUR ADDED VALUE

- Meet all safety criteria
- Breakdown of global safety requirements on your product under development
- Robust functional design by simulation and testing
- Management of turn key projects
- Training & Knowledge Management
- ARRK Training on Passive Safety in CARHS Safety Companion

