WE ENGINEER, DESIGN, SIMULATE, AND TEST FOR YOUR PASSIVE SAFETY REQUIREMENTS

- **Passive Safety Engineering and Virtual Testing**: helping you expertly manage escalating compliance complexity in combination with targeted virtual/physical testing with proprietary technologies.

- **Vehicle & Component Testing**: we offer complete vehicle crash testing ability with proprietary efficiency developed to handle specific challenges in record time.

- **Turnkey Test Equipment**: we build customized turnkey testing equipment and support its efficient usage, delivering testing accuracy and efficiency.

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COMPLETE PASSIVE SAFETY ECOSYSTEM TO ANSWER YOUR KEY CHALLENGES

Delivered by specialized, qualified talent across engineering, simulation, and testing.

• Leverage Altran’s deep domain knowledge:
  o NCAP requirements – ensuring you earn the required rating across models, quickly.
  o Ultra-lightweight structures – helping you stay ahead in the phased transition of standards.
  o Alternate Materials – reinforcing/renewing components for vehicles to be standards-compliant.
  o Emission and safety – mitigating development bottlenecks with our studied approach.

• Combining simulation and physical testing results in:
  o More efficient crash testing now informed with simulation inputs.
  o Shorter development cycles due to fewer crashes needed.
  o Reduced costs delivered thanks to teams working in tandem.

WE SOLVE PASSIVE SAFETY CHALLENGES FOR OEMs AND TIER 1 COMPANIES GLOBALLY

Altran supports 36 (and counting) OEMs globally with its solutions, capabilities, and services. We empower and assist them with our end-to-end expertise and niche experience.

UNIQUELY DIFFERENTIATED ACROSS OFFERINGS

SIMULATION AND VIRTUAL TESTING
• All necessary hardware and software to fulfil all OEM requirements in-house.
• Unique software solutions for early and optimized results.
• “Solutions” as opposed to “results.”

PHYSICAL CRASH TESTING
• Test facilities for global regulatory requirements and standards ECE, EU, FMVSS, NCAP.
• TÜV, ISO 9001, and ISO 17025 certified systems.
• No external interface for engineering and simulation validation.

TURNKEY TEST EQUIPMENT
• Maximum automation enabled equipment for attaining the highest accuracy.
• Worldwide local technical services support.
• User to user special training for daily development work.

PASSIVE SAFETY ENGINEERING
• Special software tools reduce development time and styling approval.
• Strong relationships with worldwide national authorities & NCAP organizations.
• Engineering solution provider.