CAVA Keeps Your Product Sustainable and Compliant

CAVA provides a futureproof solution for Legal Compliance in the Automotive Industry

Digitalisation is becoming the key differentiator between manufacturers beginning to develop CASE Vehicles – Connected, Autonomous, Shared, Electric.But safety, sustainability and data management remain key factors in the development of this new breed of transportation. And with these developments come new concerns, regulations and standards for automotive manufacturers.

Ensuring Automotive Compliance

CAVA helps to validate vehicle design compliance to international standards.

How will our roads and traffic systems function differently with autonomous vehicles? How will they affect our safety and security? How might connected vehicles advance our transport infrastructure? And how are automotive manufacturers planning to take all of this into account?

One such solutions is CAVA, a feature-based, associative technology integrated with CATIA V5 and V6. Whether you're developing vehicles with traditional combustion, hybrid or electrical engines, CAVA has you covered. It directly results from a joint project by TECHNIA and several German car manufacturers and is a prime example of TECHNIA's Experience Packaged.

Working across the two focus areas of Safety and Information Management, CAVA Safety and CAVA Vision provide industry standard compliance management.
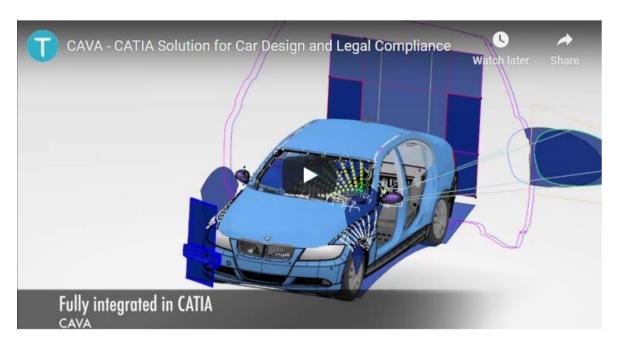
CAVA Vision

For compliance relating to the driver's direct and indirect vision.

Assisting designers to meet compliance requirements relating to the driver's direct and indirect vision. As rear and side view mirrors and more commonly replaced with cameras, CAVA Vision is becoming ever more integral to the design process.

CAVA Safety

The direct safety of passengers and pedestrians plays a major role in vehicle development.

Focusing on the direct safety of passengers and pedestrians including head impact, pedestrian protection and safety radius checks. As autonomous vehicle usage becomes more widespread, it's predicted that more commonly occurring collisions will change drastically.

Final Thoughts

The automotive industry is facing a restructuring phase in which core competencies are becoming more important than ever. New models will require shorter development time

frames and the product cycles of the vehicles will become even shorter than they are today.

With solutions like CAVA, manufacturers can save time and cost by performing vehicle homologation in virtual design.

Read more about what CAVA can do for you.

Read more about electric vehicles and the future of the automotive industry.