AUTOMOTIVE

Bluewind strengthens the concept of Safety in the Automotive field by developing top-tier and Safety compliant engineering solutions for the next generation of ADAS and Autonomous vehicles.
As Automotive development cycle follows A-SPICE and Safety-assurance workflows, Bluewind's solid foundation in Safety compliance, Cybersecurity and AI/ML is of substantial impact on the overall design of passenger cars and electrical mobility vehicles.

APPLICATIONS

PASSENGER CARS

AUTOSAR and MCAL for Powertrain, with a focus on adhering to the ISO 26262 Safety process for ECUs, as well as ensuring the subsystems are Cybersecurity compliant with ISO 21434.

LCV - LIGHT COMMERCIAL VEHICLES

Safety design for LCV BMS low-voltage inverter.

MOTORBIKES

Safety braking systems & Safety pilot airbag suit development.

OHV

Automotive Safety compliance for off-highway vehicles.

BLUEWIND VALUE

From AUTOSAR software technology, AI implementation for Autonomous vehicles, Cybersecurity, and Testing, to A-SPICE processes, Hardware, Power, and Safety System Designs, Bluewind lays the essential groundwork for modern Automotive development cycle.

CUSTOMER'S BENEFITS

- Single provider for a full design solution.
- Full compliance with the Automotive Safety standards such as ISO 26262, R 155/156 and ISO 21434.
- Support in the architecture definition of the vehicle concept.
- Officially authorized Competence Center to major Semiconductor Manufacturers.
- Academy program on Safety and Cybersecurity.

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KEY EXAMPLES

Powertrain
ECU AUTOSAR/MCAL Integration

Powertrain
Cybersecurity Assessment
According to ISO 21434

Vehicle Body
Intrusion Detection System Based on
AI/ML

Active Suspension
A-SPICE Design

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