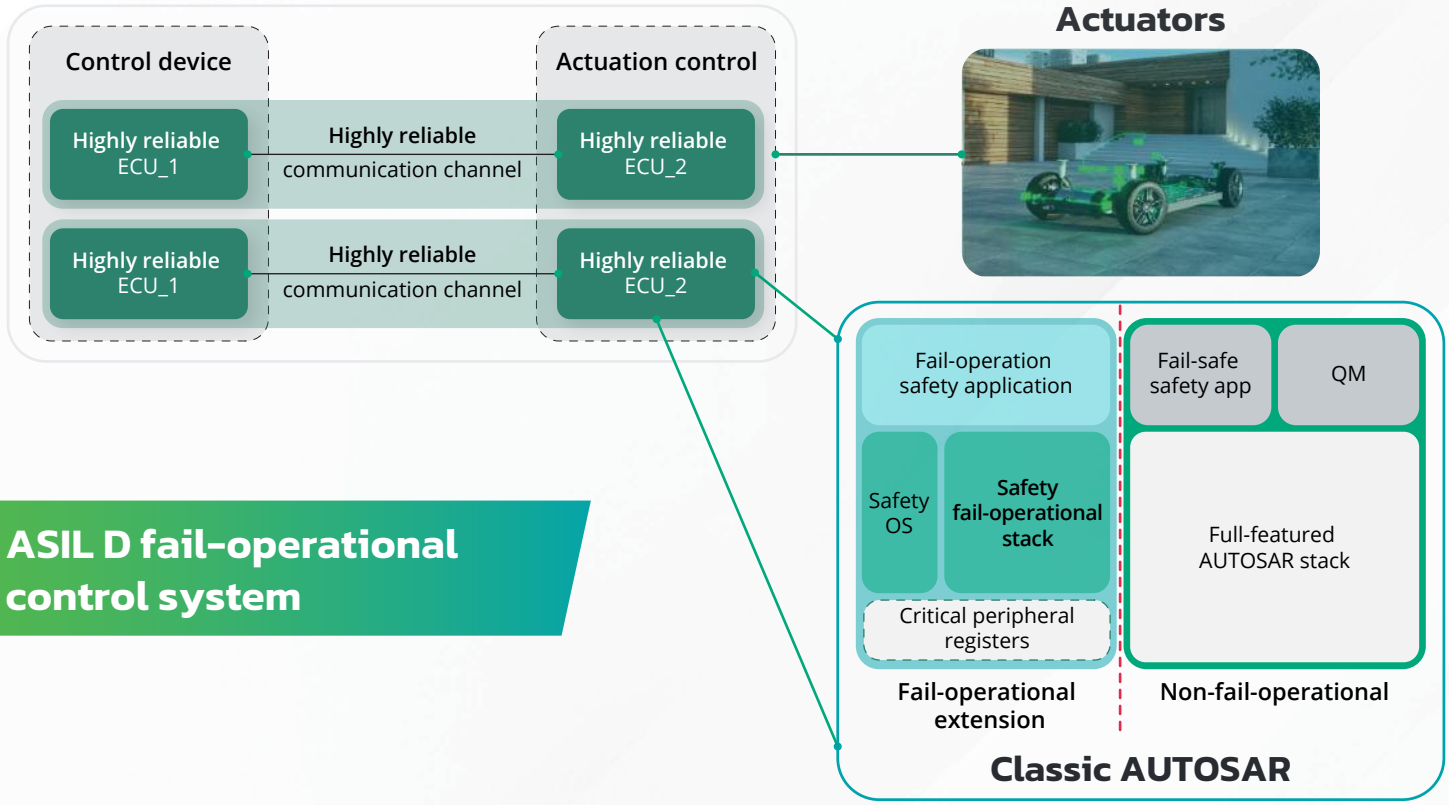
EB tresos Safety Fail-operational

Enabling guaranteed continuous operation, even in the event of safety-relevant electronic system failures



ASIL D fail-operational control system

Cost-efficient

- Hardware-optimized architecture
- Minimized safety re-qualification and maintenance efforts

Accelerated time-to-market

- Rapid upgrade of existing systems enabled by the seamless integration
- Most relevant hardware platforms supported

Processing performance

- Highly efficient safety design for guaranteed continuous operation
- Minimal CPU resources required

Unique software solution for fail-operational control system using Classic AUTOSAR

An innovative safety concept based on reducing software size and complexity, allowing separation and isolation of the fail-operational and non-fail-operational data communication paths and application execution. Elektrobit's solution contains a comprehensive **ASIL D** - qualified feature set, crucial for future automated driving and x-by-wire systems, ensuring guaranteed continuous operations while addressing key fail-operational requirements. Your existing AUTOSAR fail-safe systems can be easily transitioned into fail-operational systems, saving development time and resources.

Efficient separation and isolation of fail-operational and non-fail-operational application execution

Updates needed in the non-fail-operational part of the ECU application do not require safety re-qualification

Up to 50% savings on hardware cost

Maximized utilization of CPU

Classic AUTOSAR-compliant

ASIL D safety-qualified

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