

FEV Signature Solutions

Modernising your legacy systems for SDV

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Legacy-to-SDV migration framework

FEV offers:

- Fastest path to transform your legacy ECUs into SDV-ready service-oriented systems
- Signal-to-service migration with our proven workflows
- Hardware- and middleware-oriented integration accelerators
- Demonstrated on multi-domain vehicle platforms (ADAS, Powertrain, Cockpit, Gateway)
- Modular architecture, scalable with various SDV platforms



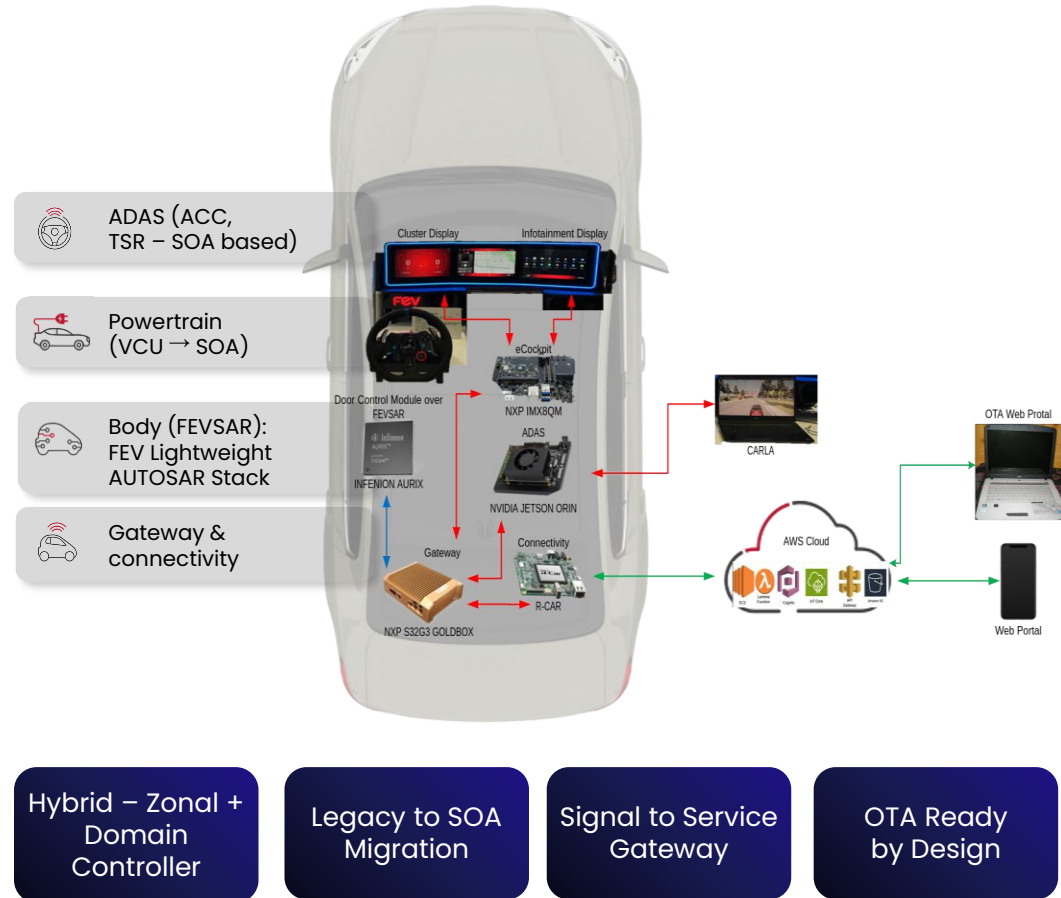
Why FEV

- 45+ years of automotive engineering excellence, trusted by global OEMs and Tier-X suppliers
- 5+ years of experience on different SDV layers
- Global footprint of 200+ experts providing end-to-end expertise on SDV across EE, networking and software
- Premium member for various SDV specific consortiums – Eclipse, Shift2SDV, SDVerse
- Complete engineering support – tailored to your needs, delivered end-to-end

Our practical SDV approach integrating ADAS, AUTOSAR, and OTA while enabling legacy software reuse

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FEV SDV Platform



SDV: Software Defined Vehicle, EE: Electrical/Electronic, ADAS: Advanced Driver Assistance Systems, SOA: Service-Oriented Architecture, OTA: Over-the-Air, OS: Operating System

FEV SDV solution highlights

- Mixed-criticality apps on a single HPC via virtualization
- Hardware–software decoupling using virtualization and containers
- SOA using Adaptive AUTOSAR and open-source frameworks
- Reusable assets for legacy-to-SOA migration
- Early validation with QEMU emulation
- CI/CD and DevOps workflow

Addressing industry challenges

Fragmented EE architectures

limit integration, slow down SDV innovation

Legacy software Lock-in

increases cost and reduces flexibility for future updates

Slow time-to-market

Complex integration and validation cycles

Limited OTA & lifecycle management

Restricts software updates, lifecycle management

Legacy hardware existence

Limited support for mixed-criticality and cross-domain functions

What FEV delivers

- **Core platform capabilities**
Enables mixed-criticality on HPC, virtualization, containerization, and adaptive AUTOSAR frameworks
- **Integrated safety and security**
Built-in functional safety and cyber-security for reliable and secure operation
- **Scalability across domains**
Supports deployment across passenger cars, commercial vehicles, rail, and industrial sectors
- **Strong differentiators**
Defined SDV roadmap, partnerships, cloud-enabled user experience, and ready to use solution accelerators

Get in touch with us for further information



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