

Virtual-to-Real (V2R) - Centralized scalable E/E architecture Exhibit



Benefits for OEM, drivers & passengers

- **Fast time to market** by using multi-ECU virtualization technology
- **Best in-class freedom of interference for cross-domain function hosting** on one silicon
- **Improved and simplified** vehicle architecture
- **Lower peripheral costs** and increased modularity, better reuse and scalability
- **Simplified variant handling** and reduced complexity
- Improved **reuse and scalability of function sets**
- **Elimination of signal-based EDGE ECUs** leading to cost reduction
- **Highest standardization of Smart Actuator Control ECUs and I/O boxes** leading to less HW variants and economies of scale

Our value proposition

AUMOVIO delivers end-to-end features from virtual development to the end node -for **simplified, cost-efficient and fast time-to-market Software-defined Vehicles**.

AUMOVIO Technology

- **Hardware backbone : Next Generation VC HPC incl. brand-new NXP SoC S32N79**, Zone Control Units, Smart Actuator Control ECUs and I/O boxes
- **Virtual development environment:** Multi-ECU virtualization running car integrations tests
- **AUMOVIO proprietary:** Automotive Remote Control Network as communication protocol between application SW host and Automotive Remote Control Network Devices -specified service-oriented and not signal-based communication
- Highly **standardized Automotive Remote Control Network Devices** with **TinyOS** incl firmware
- **SW Function + Service Portfolio:** Architecture design and consulting, integration, and full set of ready to deploy SW applications