

ANS_PL1_HPC System Architect – Japan Market

Your tasks

System Architecture Ownership & Technical Leadership (*Primary Responsibility*)

- Own the end-to-end system architecture of HPC solutions for JOEM customers, ensuring technical consistency across hardware, software, network, and system interfaces.
- Translate customer requirements and business needs into clear and feasible system-level concepts and architecture.
- Define and maintain system boundaries, interfaces, performance targets, and scalability strategy throughout the lifecycle of the project.
- Ensure traceability from high-level requirements down to system and component specifications.
- Guide and support internal teams in system integration, validation, and troubleshooting.
- Serve as the final technical authority for architecture-related decisions in Japan-localized projects.

Customer Interface & Technical Alignment

- Act as the primary technical counterpart to JOEM system engineers, with a focus on requirement analysis, architecture definition, and trade-off evaluation.
- Facilitate early alignment on system concept, architecture feasibility, and interface specifications.
- Participate in customer architecture reviews, clarification meetings, and technical workshops.
- Provide guidance on how customer needs map to the existing Continental platform architecture and identify necessary adaptations.

Cross-functional Collaboration & Governance

- Collaborate closely with internal experts across system, software, hardware, and validation to ensure holistic system integration.
- Drive architecture reviews, design reviews, and FMEA reviews across disciplines.
- Ensure alignment with global platform architects and platform governance boards in Europe and Asia.
- Monitor technical risks related to architecture decisions and support mitigation planning.

Localization & Regional Collaboration

- Lead the localization of system architecture to fulfill Japan-specific requirements such as DTV, ETC, VICS.
- Coordinate with development hubs in China, India, and ASEAN to support implementation and delivery of architecture-defined functions.
- Act as a local interface to global system architecture and portfolio



Job ID
REF84146U

Location
Yokohama

Leadership level
Leading Self

Job flexibility
Onsite Job

Legal Entity
AUMOVIO Japan K.K.

teams, ensuring bidirectional knowledge flow.

Pre-Award & Acquisition Support

- Support the Business Development and Quote Team by analyzing customer requirements and translating them into system-level architectural assumptions.
- Provide early architectural feasibility checks and define technical boundaries during RFQ and RFI phases.
- Contribute to platform tailoring strategies and cost-efficient reuse of system elements.

Process Compliance & Quality Assurance

- Ensure system architecture adheres to relevant industry standards and internal development models (e.g., ASPICE SYS, ISO 26262, cyber security).
- Support system audits, milestone reviews, and technical design documentation for customer and internal validation.

Your profile

Basic Qualifications

- Bachelor's or Master's degree in Electrical Engineering, Computer Science, or a related technical field.
- 8+ years of experience in system engineering, architecture, or platform development in the automotive industry.
- Strong experience working directly with Japanese OEMs in defining and aligning system-level requirements and architectures.
- Excellent understanding of automotive system development processes (V-shape model, ASPICE, Functional Safety).
- Strong technical leadership and cross-functional coordination skills.
- Fluent in Japanese and proficient in English communication (verbal and written).

Preferred Qualifications

- Deep knowledge of HPC architectures, infotainment/IVI systems, or ADAS/vehicle networking domains.
- Experience with embedded software platforms (e.g., Linux, QNX, Android Automotive OS).
- Familiarity with tools such as DOORS, Enterprise Architect, MATLAB, JAZZ, JIRA, or similar.
- Experience working with global and regional development centers in Asia and Europe.
- Understanding of automotive cybersecurity standards (e.g., ISO/SAE 21434) is a plus.

Our offer

Ready to take your career to the next level? The future of mobility isn't just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**

About us

Since its spin-off in September 2025 AUMOVIO continues the business of

the former Continental group sector Automotive as an independent company. The technology and electronics company offers a wide-ranging portfolio that makes mobility safe, exciting, connected, and autonomous. This includes sensor solutions, displays, braking and comfort systems as well as comprehensive expertise in software, architecture platforms, and assistance systems for software-defined vehicles. In the fiscal year 2024 the business areas, which now belong to AUMOVIO, generated sales of 19.6 billion Euro. The company is headquartered in Frankfurt, Germany and has about 87.000 employees in more than 100 locations worldwide.