Mechanical Engineer – ADAS HPC (High-Performance Computing) Systems & Liquid Cooling (Orin/Thor) in Architecture and Network Solutions R&D | AUMOVIO Korea

Your tasks

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Role Overview

The Mechanical Engineer is responsible for the mechanical architecture and liquid cooling design of high-power Orin/Thor - based ADAS(Advanced Driver Assistance Systems) HPC(High-Performance Computing) systems in automotive environments.

This role covers end-to-end mechanical ownership from requirement engineering to validation and production readiness and ensure technical deliverables.

Key Responsibilities

- Lead mechanical requirement engineering and negotiate specifications with OEM(Original Equipment Manufacturer) customers
- Own the customer interface for all mechanical engineering topics
- Define and develop HPC mechanical architecture, including vehicle integration and thermal concepts
- Design and validate liquid cooling solutions for high heat dissipation systems
- Manage mechanical & thermal simulations (shock, vibration, thermal performance)
- Coordinate technical activities with internal cross-functional teams and external partners
- Support prototype build, testing, and industrialization readiness

Your profile

- Bachelor's or Master's degree in Mechanical Engineering or related field
- Strong experience in requirement engineering, test planning, and validation processes
- Hands-on experience with automotive ECU(Electronic Control Unit) mechanical design
- Proven expertise in liquid cooling and thermal management (e.g., cold plate, flow distribution, sealing concepts)
- Experience with high-power HPC systems is a strong plus
- Familiarity with automotive standards (e.g., vibration, IP(Ingress Protection) rating, environmental validation) is preferred

Job ID
REF8960P

Location
Seongnam-si

Leadership level
Leading Self

Legal Entity
AUMOVIO Korea Ltd.

Our offer

- **Application Introductions**

- Please kindly submit your Resume as an Application Form.
- Application Form Download Link
  : https://c.smartrecruiters.com/sr-company-attachments-prod-aws-dc5/681b2d3485c3bb61ebb8f208/a4b155de-77d4-4059-842c-381a6de2c14e?r=s3-eu-central-1

- **Additional Information**

- Application of this position will be valid until hiring completion.
- Notification of application results will be provided upon completion of the recruitment process.

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 86.000 employees in more than 100 locations worldwide.