Tailor-made Embedded Software

ETAS PORTFOLIO BROADENED

ETAS has been providing innovative solutions for the development of embedded systems for the automotive industry and other sectors of the embedded industry for 20 years. Real-time operating systems and AUTOSAR runtime environments are already applied in more than 1 billion ECUs worldwide on the road today. ETAS is taking advantage of its years in the embedded software industry by broadening its portfolio to offer dedicated embedded software development services.

ETAS President Friedhelm Pickhard stated: “Our customers are faced with various challenges, including the pressure to innovate via software, decreasing time-to-market, safety and security concerns, cost optimization, and adherence to standards. The consequence is a changing allocation of roles in the value creation chain for ECU software. RTA Engineering Services addresses these challenges by providing customer-specific, high-quality embedded software development based on highly specialized know-how. RTA Engineering Services delivers a range of embedded system domains including automotive, construction, agriculture, railway, and industrial automation. Typical applications include:

- ECU-specific bootloader development
- Development of body control functions
- Integration and test of body control applications and basic software

High-quality, customer-specific embedded software development

A number of trends require vehicle manufacturers and their suppliers to adopt new approaches to developing embedded software based on highly specialized know-how. RTA Engineering Services addresses these challenges by providing customer-specific, high-quality embedded software development based on their years of experience in successfully delivering production-ready software.

ETAS has been providing innovative solutions for the development of embedded systems for the automotive industry and other sectors of the embedded industry for 20 years. Real-time operating systems and AUTOSAR runtime environments are already applied in more than 1 billion ECUs worldwide on the road today. ETAS is taking advantage of its years in the embedded software industry by broadening its portfolio to offer dedicated embedded software development services.

ETAS President Friedhelm Pickhard stated: “Our customers are faced with various challenges, including the pressure to innovate via software, decreasing time-to-market, safety and security concerns, cost optimization, and adherence to standards. The consequence is a changing allocation of roles in the value creation chain for ECU software. RTA Engineering Services addresses these challenges by providing customer-specific, high-quality embedded software development based on highly specialized know-how. RTA Engineering Services delivers a range of embedded system domains including automotive, construction, agriculture, railway, and industrial automation. Typical applications include:

- ECU-specific bootloader development
- Development of body control functions
- Integration and test of body control applications and basic software

High-quality software development based on standards

ETAS is able to develop software according to a number of standards including AUTOSAR, ISO 26262, IEC 61508, ISO 25119, and ISO 13849, depending on the customer’s requirements. The engineering team has a deep understanding of the necessary quality, reliability, safety, and efficiency demands to provide the necessary foundation for successful embedded application development.

Global approach with local support

RTA Engineering Services offers fast and flexible development resources for all customer projects. A global infrastructure and network of embedded software experts guarantees that each project is executed with the customer’s needs in focus. Local project teams available in all major automotive locations worldwide and led by experienced software project managers ensure a deep understanding of the software requirements by working closely with the customer’s domain experts. ETAS’ global software development teams enable an attractive price structure, implementation speed, and resource flexibility. These teams of embedded software specialists work in close partnership with the local project teams to turn the customer’s requirements into high-quality production-ready software. In addition, a team of embedded software experts based at the ETAS Center of Excellence in York, United Kingdom, provides support with consulting, software architecture design, quality control, and coordination of state-of-the-art development methodologies and tools to ensure high-quality results.

Domains and applications

RTA Engineering Services delivers embedded ECU software development at the basic software and application software level covering a range of embedded system domains including automotive, construction, agriculture, railway, and industrial automation. Typical applications include:

- ECU-specific bootloader development
- Development of body control functions
- Integration and test of body control applications and basic software

ETAS PORTFOLIO BROADENED

ETAS supports every hardware available on the market

ETAS supports every hardware available on the market to ensure software quality. ETAS develops software for all major automotive locations worldwide and led by experienced software project managers work closely with the customer’s domain experts. These teams deliver professional project management as well as resident technical engineering consulting to ensure that the delivered software meets the customer’s needs.

- Attractive pricing: The combined concept of localized support, technical coordination via established experts, and off-shore development allows ETAS to offer high-quality solutions at a competitive price.
- Independence: Software can be developed for a specific hardware project or used across a number of hardware platforms, allowing the software to be developed independently of the hardware sourcing decision.
- Standard conformity: ETAS is able to develop software according to a number of standards, including AUTOSAR, ISO 26262, IEC 61508, ISO 25119, and ISO 13849, depending on the customer’s requirements.