




Hexagon is a global leader in digital reality solutions, combining sensors, software, and autonomous technologies. We put data to work to boost efficiency, productivity, quality, and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications. These solutions are shaping increasingly connected and autonomous ecosystems, ensuring a scalable and sustainable future.

Hexagon's Mining division addresses surface and underground mining challenges with proven technologies for planning, operations, and safety. We are seeking a passionate Embedded Software Engineer to join our team developing next-generation safety solutions such as the **Vehicle Intervention System (VIS)** and **Collision Avoidance System (CAS)**. You will deliver high-quality embedded software for intelligent mining systems and perception platforms, working in an agile environment with a strong focus on innovation, quality, and impact on customer safety and efficiency.

Junior Embedded Software Engineer (f/m/d)

20% onsite in Zug, 80% remote  (80-100%)

This appeals to you

- Design, develop, and maintain embedded software for our smart devices including SmartAntenna, Display5, SmartSwitch, and other Safety components
- Collaborate closely with product managers, architects, and perception engineers to ensure alignment with business goals and customer needs
- Participate in architecture discussions, Low-Level Design (LLD), and refinement processes to ensure robust and scalable solutions
- Investigate and resolve critical issues across firmware and hardware integration layers, including GNSS validation, logging protocols, and debug port handling
- Support release management and participate in sprint planning, standups, reviews, and retrospectives as part of our agile development cycle
- Maintain high standards of code quality through peer

This is you

- Bachelor's or Master's degree in Computer Engineering, Electrical Engineering, or related field
- Proficiency in C/C++
- Knowledge of communication protocols (SPI, I2C, CAN, RS232) and microcontroller platforms (ARM Cortex-M, STM32, etc.)
- Familiarity with Agile/Scrum methodologies and tools like Git, JIRA, and CI/CD pipelines
- Ability to work in cross-functional teams and communicate effectively across disciplines
- Passion for building high-quality products with measurable impact
- Willingness to travel occasionally for customer mine visits or test deployments

reviews, unit testing, test automation, and continuous integration practices

Desired:

- Passion for clean code and best software development practice
- Familiarity with embedded operating systems such as FreeRTOS or NuttX
- Familiarity with embedded linux development (Yocto, OpenWRT)
- 3+ years of experience in embedded software development

We offer you

- Dynamic and collaborative work environment focused on innovation and quality
- Opportunity to work with cutting-edge technologies in mining and industrial automation
- Access to internal training, mentorship, and career development programs
- Competitive compensation and benefits aligned with regional standards
- Vacation entitlement: 25 days from the age of 20, 27 days from the age of 40 and 30 days from the age of 50
- Hybrid working model
- Bonus system and additional pension contributions
- Relocation support
- Various discounts (Health, Car, Entertainment and much more)
- Employee events
- Inclusive international work environment

[Here](#) you can find more information about us as an employer.

About us

Hexagon is a leading provider of digital reality solutions and employs more than 24,000 people in 50 countries and net sales of approximately 5.5bn USD. You will be part of a strong, experienced, inspiring and motivated team of experts working together to shape the future of Hexagon. You can utilise and develop your skills in our highly innovative and diverse environment. Flexible working models allow you to ideally combine your professional and private interests.

Contact

If you have any questions, please do not hesitate to contact [Kinga Racibor](#), Talent Acquisition Specialist.

APPLY NOW

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