Skill	★★★★★
Innovation	★★★★☆
Obstinacy	★☆☆☆☆

Committed and passionate about precision, we develop digital reality solutions by combining sensor, software, and autonomous technologies to enable a sustainable future.

Welcome to the world of Geospatial Content Solutions (GCS) – a division of Hexagon. At GCS, we lead the way in aerial data acquisition, processing, and DaaS content technologies. Join a small, highly specialized R&D team pushing the boundaries of innovation in high-speed electronics, precision optics, mechanics, and advanced software systems.

Do you want to become an expert in LiDAR, camera and motion stabilisation technology? Join our team!

Electronics Engineer (f/m/d)

Heerbrugg · 100%

This appeals to you

- Designing and prototyping high-speed analog and digital circuits for optoelectronic signal processing, synchronization and multi-gigabit communication
- Creating schematics, simulating designs, and coordinating the development process from layout to production-ready PCBs
- Developing embedded firmware applications for MCUs and FPGAs
- Acquiring and analyzing measurement data during prototyping, characterization, and debugging
- Collaborating closely with a cross-functional team and coordinating external development partners
- Taking responsibility for subsystems and complete products throughout their entire lifecycle
- Contributing to the development of LiDAR, camera, and motion stabilization technologies

This is you

- You hold a BSc/MSc degree in Electrical Engineering from a university or FH
- You are an experienced designer of high-speed analog front ends and optoelectronic circuits, including multi-gigabit amplifiers, AD/DA converters and comparators
- You have experience with fast communication protocols such as PCIe, Ethernet, Aurora or similar
- You are skilled in using hardware simulation and modeling tools such as SPICE or similar
- You take a hands-on approach to testing and problem-solving, confidently using lab equipment such as oscilloscopes, arbitrary waveform generators, and logic analyzers
- You have experience writing embedded firmware in C/C++ and are familiar with MCUs and FPGAs
- You are comfortable working with Linux or other operating systems for embedded applications
- You efficiently analyze measurement data using MATLAB or Python

- You work confidently with version control systems (e.g. Git) and agile tools such as Jira and Confluence for collaboration and documentation
- You're curious and self-driven, with a strong interest in learning and continuous improvement
- You communicate fluently in English or German

We offer you

- Flexible working hours based on a 40-hour week
- Vacation entitlement: 25 days from the age of 20, 27 days from the age of 40 and 30 days from the age of 50
- Bonus system and extra-mandatory pension fund contributions
- Individual training opportunities (internal and external)
- Various Discounts (Health, Car, Entertainment and much more)
- Employee Events
- Multicultural and supportive environment

About Us

Hexagon is a leading provider of digital reality solutions and employs more than 24,000 people in 50 countries. 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.

Here you can find more information about us as an employer.

Contact

If you have any questions, please do not hesitate to contact Kinga Racibor, Talent Acquisition Specialist.

APPLY NOW

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Job-ID: hi7cg7as

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