



Innovation	★	★	★	★	★
Motivation	★	★	★	★	★
Simplicity	★	★	★	★	★

**Committed and with passion for precision we create digital reality solutions combining sensor, software, and autonomous technologies to empower a sustainable future.**

Welcome to our exciting [Geospatial Content Solutions](#) business (GCS), a division of Hexagon. GCS designs and develops revolutionary technologies built to enhance solutions in aerial data acquisition, processing, and DaaS content.

**You will be part of a small, but highly skilled R&D team, where we jointly develop cutting-edge technology in all aspects from high-speed electronics designs, precise optics and mechanics and challenging software.**

## Senior FPGA Engineer (f/m/d)

Heerbrugg  100%

### This appeals to you

- Contribution to all aspects of the electronics development from the idea to the product
- Design challenging FPGA circuits and systems in VHDL involving high speed communication, digital signal and data processing, timing and synchronization signals
- Support design of high-speed digital PCBs
- Write firmware in C/C++ for embedded applications
- Debug and characterize electronic assemblies and submodules of the entire camera/LiDAR systems
- Collaborate within a team of interdisciplinary engineers and external partners to achieve project goals
- Support production during series production ramp-up

### This is you

- Higher education (FH) or university degree (BSc, MSc) in electrical engineering
- 5+ years of experience with complex VHDL designs, RTL coding, timing analysis and simulation / verification methods
- Experience with Linux for embedded systems or similar
- Experience with Matlab or Python
- Experience with GIT, Jira and scrum/agile methodology
- Good knowledge of German (B2) and/or English (B2)

### This could be your advantage

- Experience with Xilinx FPGAs
- Knowledge of communication protocols such as PCIe, Ethernet, AXI, SPI, I2C or similar
- Experience with analogue / RF electronics

- Experience with LiDar, radar or imaging systems

## 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 driving the future of Hexagon. You will use and develop your skills in our highly innovative and diverse environment.

Flexible working models allow you to ideally combine work and private interests.

## Contact

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

**APPLY NOW**

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**HEXAGON**

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Geosystems