



Curiosity	★	★	★	★	★
Insistence	★	★	★	★	★
Confusion	★	★	★	★	★

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

Our team within Hexagon's Technology Hub is responsible for investigating latest technologies and sensors, and turning them into exciting, revolutionary concepts and products.

This requires motivated professionals who love to think out of the box, work closely with colleagues from various other disciplines, and are ready for taking responsibility.

## Electronics Engineer (f/m/d) for LiDAR Systems

Heerbrugg  100%

### This appeals to you

- Concept and development of complex Time-of-Flight (ToF) LiDAR (Light Detection and Ranging) Systems
- Design, simulation, build-up and bring-up of sophisticated electronic and opto-electronic systems for analog sensor interfacing, data acquisition and high-speed signal transmission and processing
- Creation of schematics and taking care of layouts for complex printed circuit boards
- Drive innovation from ideas to functional models and prototypes for new technologies and sensors
- Develop electrical and opto-electrical measurement concepts and carry out measurements to characterize, understand and improve system performance
- Develop and implement test and calibration concepts and algorithms to characterize and improve the performance of your circuits and systems

### This is you

- PhD, master's or bachelor's degree in Electronics or Mechatronics
- Multiple years of professional experience in low noise, high-speed analog and digital electronics, and sensor technologies
- Knowledge of laser range finding electronics and optics is an asset
- Analytical thinking, strong in conceptual work and solution orientation
- Entrepreneurial mindset, a proactive attitude and a hands-on mentality
- Open-minded team player with great interpersonal and communication skills
- You enjoy working in an interdisciplinary team using German and English (knowledge of both German and English is required)
- Experience in Python and/or Matlab

- Deep diving into details to achieve outstanding performance while maintaining an overview
- Cooperate closely in an interdisciplinary team with experts from optics, mechanics, calibration and algorithm development, as well as with external electronics design partners
- Familiarity with Microprocessors and FPGAs is a plus
- Knowledge of Zemax or Code V is an advantage
- Experience in developing embedded FW in C/C++ is an advantage

## We offer you

- Participating in the pre-development of the world's best and most innovative distance measurement systems (Laser-Scanners, Theodolites, Distance-Meters): [RTC360](#), [BLK360](#), [BLK2GO](#), [MS60](#), [CityMapper-2](#)
- Excellent infrastructure with sophisticated electronical, optical and mechanical measurement equipment
- Diverse and wide field of activities and projects - from technology monitoring to realization of final hardware including testing in the lab
- Flexible annual working hours based on a 40-hour week, with 100% employment
- 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 extra-mandatory pension fund contributions
- Individual training opportunities (internal and external)
- Relocation service
- Various Discounts (Health, Car, Entertainment and much more)
- Employee Events
- Flat hierarchy structure
- Warm and international corporate culture based on respect and cooperation

[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. 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 [Brigitte Schnetzer](#), Talent Acquisition Specialist.

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