Curiosity ★★★★☆
Agility ★★★★⯪
Reticence ☆☆☆☆☆

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

Hexagon Manufacturing Intelligence offers a comprehensive range of products and services for all industrial metrology applications in industries such as automotive, aerospace, energy and medical. We provide our customers with full control over their manufacturing processes, enhancing the quality of their products and improving efficiency at their manufacturing sites worldwide

Get to know us and our cutting-edge technologies.

For the further development of our technically very sophisticated and highly precise Leica Laser Tracker & Scanner systems, we are expanding our development team at our Heerbrugg site and are offering you an exciting and creative challenge as an

FPGA Design & Firmware Development Engineer (f/m/d)

Heerbrugg 🕐 **100%**

This appeals to you

- Conception and development of complex FPGA designs (VHDL) and embedded software with C++ on real-time operating systems
- Contributing to firmware architecture, specification, and implementation of real-time software for our laser tracker and scanner systems
- Design and implementation of unit and integration tests
- Participation in the agile development process within various interdisciplinary Hexagon project teams, with occasional travel to other locations

This is you

- Completed degree in electronics ETH, FH or TU
- Excellent VHDL design, programming and debugging skills
- Experience in developing embedded software with C++ for real-time applications
- In-depth experience in microprocessor programming
- Independent and methodically structured working style, particularly in C, C++ and VHDL programming
- Fluent English (spoken and written) is essential; German is strongly preferred
- Goal-oriented, open-minded and creative personality with a wealth of ideas and enthusiasm for practical

activities
- Ability to work independently and in a structured manner

Beneficial additional qualifications:

- Experience with Matlab or Python in development processes and converting FPGA code from these tools
- Experience with Intel FPGA, Quartus and Qsys is an advantage
- Knowledge of image processing and real-time algorithms, especially in the context of metrology applications

We offer you

- 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.

APPLY NOW

Leica Geosystems AG
Heinrich Wild Strasse
CH-9435 Heerbrugg

Job-ID: a69b3zas

HEXAGON | *Leica* **Geosystems**