Committed, fast-paced and with a passion for precision, we support the manufacturing industry with the revolutionary products of tomorrow.

Hexagon Manufacturing Intelligence is a leading global provider of 3D measurement systems covering the micro and macro measurement ranges, supplying to manufacturing industries worldwide, including construction, machine, automotive and aerospace business.

As a member of our cross-functional metrology development team you will contribute to the entire FPGA design. It may include complex architecture, design, simulation, verification and maintenance of high-precision triangulation sensors.

**FPGA Engineer (f/m/d) for advanced Computer Vision**

**Heerbrugg**

**This appeals to you**

- Complete FPGA design (VHDL) on Intel devices for high-precision sensor
- Software Firmware development (C++) for real-time image processing and enhance filter algorithm on SoC platform
- Write and review technical document (specification, concept), contribute to project planning and participate on reviews
- Using your advanced engineering know-how, experience with imaging sensors, to bring our products to life
- Close collaboration with local and global Hexagon project teams, occasionally on site

**This is you**

- Master degree or equivalent qualification in electronic or software engineering
- 5+ years professional experience in FPGA / SoC development
- Excellent VHDL design, programming and debugging knowledge (Intel, Quartus, Qsys)
- Experience with complex processor design, SoC Fabric/Interconnected architecture, interface and controller (Avalon, Ethernet, SerDes, LVDS, SPI)
- Strong C/C++ programming skills for embedded systems, Linux, BSP and related toolchain for Intel SoC device (HPS ARM processor)
- Familiarity with electronic designs and system testing (Jenkins)
- Knowledge of image processing, real-time algorithm in the context of metrology applications as a strong plus
- Excellent communication skills in English and German
About Us

As part of the Hexagon brand network, consisting of a 20,000 strong global workforce, we encourage our employees to grow with our company. It is important to us that our employees have the opportunity to make a valuable contribution to the business while at the same time developing their own talents and careers.

How can I apply

If you are interested in this challenging and varied position, then we look forward to receiving your online application! Due to the privacy policy, we accept applications only via the application form. In case you have any questions regarding our positions or our company please contact us.

Hexagon Manufacturing Intelligence
Chemin du Closalet 14
1023 Crissier

Job-ID: m2ydmt3r