



Senior FPGA / Embedded Systems Engineer

fibrisTerre is a young, Berlin-based tech company that designs and manufactures fiber-optic sensing instrumentation for infrastructure monitoring projects around the world.

We are expanding our R&D team, and are offering a permanent position with exciting and diverse challenges to an experienced FPGA Designer with experience in Embedded Systems and a broad range of skills and strong passion for problem-solving.

Main tasks in detail:

- ✓ Design, implementation and further development of FPGA designs for control, data acquisition and digital signal processing
- ✓ Conceptual design of new product generations
- ✓ Creation of HDL code (VHDL) for FPGA / SoC architectures (AMD/Xilinx)
- ✓ Hardware-related C / C++ programming on multicore SoC architectures
- ✓ Cooperation and coordination with electronics and software developers
- ✓ Advice to other teams (sales, production, support) in technical questions

Your profile:

- ✓ Experience in developing, simulating and debugging complex FPGA designs for high speed (Gb/s range) data processing systems – ideally several years of relevant professional experience
- ✓ Very good knowledge of VHDL and in dealing with common development environments for current FPGA and SoC architectures (e.g. Xilinx Vivado and Vitis)
- ✓ Confident handling of common tools for version management (e.g. GIT)
- ✓ Hands-on experience in using lab tools such as JTAG interfaces and oscilloscopes for evaluation and debugging
- ✓ Knowledge of common interface standards (e.g. SPI, I²C, Ethernet) are an advantage
- ✓ At least basic knowledge of hardware-related programming (C / C++)
- ✓ Knowledge of (embedded) Linux / Yocto is a plus

We offer an interesting and responsible position with a diverse range of tasks in a dynamic, growing company. You can expect flat hierarchies, short decision-making processes, flexible working hours, flexible change between office/lab work and home office, as well as many opportunities to advance your own ideas and actively help shape the future of fibrisTerre.

We will be happy to assist you in relocating to Berlin.

Have we got you interested? Then please send us your application in electronic form to Stefan von der Mark at jobs@fibristerre.de – we look forward to it