

Digital FPGA Design Engineer

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About Elix Systems SA

Elix Systems was created in 2020 by an experienced engineering team who shared a passion for autonomous flying vehicles. The seasoned engineering team leverages their solid background in video processing, security and human machine interface to develop electronics systems for highly demanding industries such as avionics and medical.

Elix Systems is an international company operating mainly in Europe. Customers are in Switzerland and western Europe. The key customer facing functions are based in Lausanne, Switzerland: this includes sales, program management, architecture and senior engineering. Elix Systems relies on scaling partners to ramp-up projects, in particular with an affiliate and partners in Serbia.

In order to support its growing Avionics activity, Elix Systems wishes to hire a Digital FPGA Design Engineer.

Your Mission and Responsibilities

- Work with other teams to develop FPGA architectures for Avionic/Space applications
- Develop FPGA code per system requirements
- Create firmware verification plans and compliance documents
- Participate in prototype testing and debugging
- Execute verification via testing, simulation & analysis ; document test results
- Contribute to internal and external peer reviews

This position is based in Lausanne, with some limited travel at customers/partners

This position is open at 100%, 80% is negotiable

Your profile

- Master degree or equivalent in Electronic engineering
- 5+ years of digital design practice, experience in Avionics and DO-254 is a plus
- Strong knowledge of VHDL, Verilog and C languages
- Experience with XILINX Vivado design tool and MENTOR Questa simulation tool
- Familiarity with XILINX System-on-Modules (SOMs), XILINX certified is a plus
- Team player, you enjoy working in small team and in a dynamic environment
- You can work in international and multi-cultural environment
- Fluent in French & English, other language is a plus

Contact:

Fredric Guitard +41 79 701 67 08

frederic.guitard@elix.swiss