

LIGENTEC is a young and dynamic company located in Lausanne, Switzerland, near EPFL, close to the shore of Lake Geneva. We are manufacturing **Photonic Integrated Circuits (PICs)** for customers in high-tech areas such as Quantum Technologies, LiDAR, Space Technologies and Biosensors. LIGENTEC All-Nitride technology enables our customers to develop their products in the industrial revolution 4.0.

To support our continued growth, we are looking for a:

## **Process Engineer**

### ***Integrated Photonics, Nanoengineering***

#### **Your responsibilities:**

- Execute prototype and small-scale fabrication runs for Photonic Integrated Circuits in all technical areas (lithography, thin film, etching and back-end)
- Support the process engineering team with the execution of standard and special process steps and characterization work for R&D work orders
- Perform quality control and collect and document data for the statistical process control (SPC)
- Participate in quality improvement and defect reduction projects
- Troubleshoot and solve on site fabrication problems
- Validate new tools and processes
- Do photonic design mask assembly, coordinate lithography masks ordering

#### **Your profile:**

- Min of 3 years hands-on experience in main clean room processes (lithography, dry etching, PVD or CVD)
- Master or PhD in electrical, chemical, physical or nano engineering
- Industrial working experience is a strong plus
- Experience with Six Sigma, SPC and general quality tools is a strong plus
- Open minded, communicative and with critical thinking. Solution and goal oriented
- Ability to work in a team and independently
- Working proficiency in English. Good command of French is a plus
- Work/residence permit for Switzerland or Swiss/EU citizenship

#### **We offer:**

- A flexible and dynamic start-up work environment
- A highly international, diverse and highly motivated team
- Personal responsibility in your job and the chance to grow with us
- Our passion to bring PICs to every day's life

**Activity rate:** 100%

**Place of work:** Ecublens, EPFL Innovation Park

**Start date:** as soon as possible

#### **Sending of applications:**

We look forward to receive your applications, including your CV and a statement of interest to [hr@ligentec.com](mailto:hr@ligentec.com)

