

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

Your responsibilities:

- Develop processes for active integration of additional materials on the Ligentec SiN platform
- Define and execute Design of Experiments at the clean-room facilities.
- Statistical data analysis and physical model fitting of opto-electrical device properties.
- Execute prototype and small-scale fabrication runs for photonic integrated circuits.
- Documentation of results with strong emphasis on correlations between optical and electrical properties of integrated actives.
- Support R&D and Process teams in all aspects, especially process integration topics.

Your profile:

- Min of 5 years hands-on clean room experience (lithography, dry etching, PVD or CVD)
- Strong hands-on experience in heterogeneous integration of LN on SiN or on SOI silicon photonics.
- Technical degree in electrical, chemical, physical or nano engineering
- Experience with Six Sigma, SPC and general quality tools is a plus.
- Open minded, communicative and with critical thinking.
- Solution and goal oriented.
- Ability to work in a team and independently.
- Working proficiency in English.
- 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

How to apply:

We look forward to receiving your full application using reference 2306-PE, including 1) your CV, 2) a statement of interest (relating the position to your skills) and 3) grade or work certificates to hr@ligentec.com. Non complete applications may not be considered.

