

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:

Design Engineer

Integrated Photonics

Your responsibilities:

- Lead and co-ordinate advanced photonic integrated circuit development projects
- Design, simulation and tape-out of integrated photonic components and circuits for customer and internal projects.
- PDK building block development, incl. design, simulation, test planning and data analysis.
- Support application engineering and sales with technical assessments and simulations.
- Interface with the fabrication, process engineering and test teams.
- Documentation and reporting.
- Contribute to patent applications and proposal writing.

Your profile:

- MSc or PhD in photonics or related fields.
- Minimum of 5 years hands-on experience in integrated optics design and simulation in a top, preferably industrial environment.
- Solid hands-on experience in high speed E/O modulator design, simulation and characterization.
- Solid understanding and practical experience with heterogeneous integration of LN on SiN and or SOI silicon photonics.
- Highly customer and solution-oriented mindset.
- Excellent technical problem-solving skills
- Excellent communication and conflict-resolution ability.
- Ability to work independently and with remote teams.
- Work/residence permit for Switzerland or France or EU citizenship.
- Working proficiency in English.

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: Lausanne (CH)

Start date: as soon as possible

How to apply:

We look forward to receiving your full application using reference 2312-DE, 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.

