

Job ID: **ENG2606** – Published 01.08.2026

Title: **PIC Platform Development Engineer**

The company

CCRAFT is the world's first independent pure-play foundry for thin-film lithium niobate (TFLN) photonic chips. With in-house, industrial-grade processing, we enable innovation across telecom, datacom, quantum, and sensing. Our core expertise lies in the manufacturing of TFLN photonic chips using a proprietary complex scalable processes. From MPW and custom wafer runs to high-volume production, all services are supported by a derisked Process Design Kit (PDK). At CCRAFT, manufacturing excellence and design enablement come together to accelerate photonic integration worldwide.

The role

We are seeking a **PIC Platform Development Engineer** to push forward platform capability in CCRAFT's TFLN foundry. You will conceptualize and engineer complex technology modules that combine expertise in photonic design, semiconductor processing and advanced optoelectronic characterization. As a key member of the engineering team, you will expand and implement the technology roadmap. This role suits a methodical, data-driven, creative engineer with strong integrated photonics expertise and project leading abilities.

Responsibilities

Foundry-driven Innovation

- Propose new technology to expand or enhance the functionality offered by CCRAFT platform.
- Define the concepts and path from idea to implementation for own or other team members' initiatives.
- Design feasibility studies considering design, fabrication and characterization stages.
- Support IP-related processes, such as patent drafting.

Hands-on R&D activities

- Carry out simulations, process experiments, photonic characterization and other hands-on activities as required by the innovations proposed.
- Collect, process and synthesize simulation or experimental data, to draw conclusions.
- Carry out DoE and root-cause analysis.

Technical Leadership, Collaboration and Support

- Own technology module development from A to Z.
- Strongly collaborate with other engineers to empower the foundry technology roadmap.
- Participate in funding acquisition through proposal elaboration.

Requirements

Essential

- PhD with proven track record in developing integrated photonic devices or systems. TFLN platform experience is a big plus.
- Medium to high level of understanding and hands-on experience in all three pillars of integrated photonics development: simulation, microfabrication and characterization.
- Experience with Design of Experiments (DoE) and root-cause analysis.
- Excellent communication skills across multidisciplinary teams, in English.

Other

- Systematic, detail-oriented and methodical, with strong ownership of results.
- Mastery of data collection, treatment and visualization for technical reports.
- Experience in microwave photonics.
- Experience drafting IP-related documentation (e.g. patents) is a big plus.
- Enthusiastic about representing CCRAFT as a leading TFLN PIC pure-play foundry.

Conditions & Benefits

- Permanent position, competitive salary, and performance bonus.
- Based at CCRAFT's headquarter in Neuchâtel, Switzerland, with flexibility.
- Collaborative, low-hierarchy team, valuing initiative, transparency, and growth.
- Being a core team member in a high-potential startup with global impact and recognition, shaping CCRAFT's fab and integration ecosystem.
- Professional development through conferences, training, and industry engagement.
- Playing a central role in defining CCRAFT tech roadmap.

How to apply

Send your application to careers@ccraft.com as a **single PDF file** (name: **Job-ID_YourName**) containing:

- 1-page cover letter outlining what you bring to CCRAFT, what CCRAFT brings to you, and what CCRAFT and you could bring to others.
- 2-page CV with focus on relevant experience.
- Contact details for 2 references.

Email subject: **Job-ID_YourName**

We review applications on a rolling basis. If your profile is a good match for the role, we will contact you within two weeks of receiving your application.