

R&D instrumentation and interfacing engineer (H/F)

The company:

CAILabs SAS

Website: www.cailabs.com

Address: 38 boulevard Albert 1^{er} - 35200 RENNES



Recruitment manager:

Anne Lozachmeur

cv_rii0717@cailabs.com

The company

Created in 2013, the start-up CAILabs offers innovative photonics solutions thanks to its light-shaping technology. CAILabs develops and commercializes solutions for telecommunication networks, LAN's and industrial laser processes. In 2016, the Japanese operator KDDI set a world record for fiber optic flow using CAILabs' components.

The position

Within the R&D (research and development) department, under the responsibility of the CTO (Chief Technical Officer), you will manage the implementation of CAILabs' instrumentation systems. This cross-functional position will make you the technical referent for all projects to respond to primarily internal needs.

You will oversee the specification, development, and implementation of instrumentation solutions and their interfacing with the CAILabs characterization and quality ecosystem. The nature of the systems to be designed requires skills in electronic design, implementation of sensors, metrology, computer interfacing and integration.

Your main duties will be:

- Participating in the drafting of new product specifications with the department experts (optical, mechanical...)
- Carrying out studies, sizing, opto-electronic design and the prototyping of instruments and the development of their software interface
- Managing the supply of components, subcontractors and assembly
- Leading trials and experiments on performance validation
- Providing technical support to users covering installation, use and maintenance of instruments, maximizing operational continuity
- Providing and updating technical documentation (plans, specifications, procedures, files, design folders) during industrialization and developmental phases
- Delivering progress reports to the CTO

Profile

Required skills:

- Engineering degree or equivalent in mechanical design
- Experience: 3+ years as an engineer
- Skills in electronic design, optoelectronics, programming of micro-controllers, interfacing
- Command of modeling and electronic CAO software (SPICE, Eagle, KiCad or equivalents)
- Skills in experimental implementation
- Professional English

Preferred skills:

- Sense of teamwork and innovation-oriented
- Experience in optical metrology
- Fluent English

Salary and benefits

- Fast-growing, innovative, photonic start-up
- Young and dynamic team
- Attractive remuneration, based on experience
- Position based in Rennes

Contract : permanent

Start: immediate

Date of offer: 13/07/2017