

High-power optical R&D engineer (H/F)

The company:

CAILabs SAS

Website: www.cailabs.com

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



Recruitment manager:

Anne Lozachmeur

cv_ihp0117@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 oversee high power optical development projects (>1kW continuous).

Your main duties will be:

- Participating in the drafting of new product specifications with the department experts (mechanical, electronic, computing...)
- Conducting studies on optical design and prototyping for different high power projects
- Leading trials and experiments on performance validation
- Providing and updating technical documentation (plans, specifications, procedures, files, design folders) during industrialization and developmental phases
- Delivering progress reports

Profile:

Required skills:

- Engineering degree or equivalent
- 3 years minimum in the field of high power optics (>1kW continuous)
- Skills in design, assembly, and alignment of high power opto-mechanical systems
- Motivated in experimental realization
- Fluent English

Preferred skills:

- Command of thermal design of a complex system
- Command of simulation tools (such as Zemax, COMSOL) and design tools (Solidworks) for industrial products
- Programming skills (data analysis, modeling)
- Command of different product development phases from the prototype to industrialization
- Ease of writing
- Project and team management

Salary and benefits:

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

Contract : permanent
Date of offer: 13/07/2017

Start: immediate