



POSITION: Photonics Systems Engineer (M/F)

COMPANY PRESENTATION: OptoSigma Europe, is currently looking for Photonics Systems Engineer (M/F). OptoSigma Europe is the subsidiary of Sigma Koki, a company founded in Japan 45 years ago, which is one of the World leaders in the manufacture of optical and optomechanical components for scientific research and high-tech industry. OptoSigma works close to research centers as well as private customers providing off-the-shelf products as well as customized products, from prototyping to mass production.

The European subsidiary OptoSigma Europe established in 2014 in the South of Paris. Logistic, Sales marketing and Engineering service to the European countries, Africa, Middle East and India. As part of OptoSigma's development we are looking for a hands-on engineer to develop optical systems and full assemblies for European customers.

MISSIONS: Based in Paris Region, the Photonics Systems Engineer will be in charge of developing new optomechanical system projects for Industrial OEM and Scientifics customer. Using catalog products or developing new customized products, the Photonics Systems Engineer will have to manage the technical project from conception to production with the support from our engineers in Japan or US. He/She will have to evaluate technical feasibility and cost to implement different solutions for our customers.

Essential Job Functions include the following, but are not limited to:

- Design and manufacture optomechanical assemblies for different applications.
- Study customers' requests from a technical and cost point of view.
- Support the customers in their request of technical specifications and complex assemblies for applications in both research and industry.
- Discuss with customers technical requests.
- Make technical proposals to our customers in collaboration with our R&D teams located in Japan.
- Maintain a good understanding of company products and capabilities.
- Design and manufacturing of prototypes.
- Design and assembly of test systems.
- Support the sales team for highly technical projects.
- Support the marketing team to produce technical content.
- Organize internal meetings to discuss the evolution of the different projects.
- Coordinate the development of new optical and mechanical systems with the help of our engineers based in Japan.
- Some travelling to our factories in Japan and customers facilities might be required.
- Provide product demonstrations to existing and new customers.
- Grow the assembly business to a larger scale with a larger team in the next 3 to 5 years.
- Work under the Chief of Operation Officer.

PROFILE:

Essential Requirement:

- Minimum Bac+3 or more (BTS, DUT or Master Degree) in optics, physics, photonics engineer or equivalent technical discipline. A PhD/Postdoc in a related field will be appreciated
- More than 3 years of experience in design, implementation, characterization and assembly of optical and mechanical systems.
- Experience in technical project managing including cost analysis.
- Experience with 2D/3D software such as SolidWorks, Autocad or others.
- Experience with programming in C#/C++, Python, Matlab or others.
- English is mandatory (both written and oral). French or another European Language will be highly appreciated.
- Ambitious to grow to a high career in Photonics and optics field
- Flexibility/adaptability in a fast-paced & dynamic environment.
- Strong problem-solving and analytical skills.
- Enjoy working as a team member as well as independently.

Desired Skills:

- Experience on optical design of systems for imaging such as microscopes.
- Excellent programming skills in C++/C#.
- Proficient in optical design using Zemax or other optical design software.
- Experience in developing optoelectronic systems.

LOCATION:

- Les Ulis (South of Paris Region), France.
- Access by car or public transportation.

TYPE OF CONTRACT:

- Permanent Contract (CDI)
- Probation period of 2 months or 4 months.

SALARY AND ADVANTAGES:

- Salary depending on experience + Bonus (Prime)
- Health Insurance (Mutuelle santé).
- Meal pass (Ticket restaurants)
- 50% of public transportation regional pass reimbursed.
- Career developments in a rapidly growing company.

START DATE: October 2022

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