Development Engineer (32-40hrs)

Join the pioneers of PhotonFirst

Since 2006 PhotonFirst (formerly Technobis) is pioneering in the research, development, engineering and production of Integrated Photonics Sensing modules and systems for a broad range of critical applications in aerospace, medical equipment, mobility, energy, and high-tech systems. Since January 1st, 2021, the photonics activities have been carved out to prepare for a fast growth to a leading worldwide position in its field. PhotonFirst is an innovative, pioneering company in integrated photonic sensing, with a technology that is unlocking the power of the photon in a wide range of applications.

Your tasks & responsibilities are broad

You will be part of our highly skilled and enthusiastic product development team, working at the forefront of technology. As Development Engineer, you are a key player in the entire development trajectory, from start to end. The development and engineering team works hand-in-hand with the research and application development teams to come to an innovative and high-quality solution for the end-customer. Your role in this deep-tech environment will consist of:

- Providing technical support in translating user application needs to comprehensive system requirements, using your strong analytical skills.
- During the detailed design phase you work closely together with the development team to come to a complete solution for our customer.
- In line with our DNA, you like a challenge and use your creativity to come to an innovative design, from an early concept to a detailed 3D CAD model.
- Working on manufacturability of machined and sheet metal parts, and advising on the possibilities in designing PCBAs.
- Setting up technical drawings with well-defined tolerances and clear views.

Direct reporting line

The Development Engineer reports to the Team Lead Development & Engineering.

Education

- University (WO) or University of Applied Science (HBO) degree in Mechanical, Electrical or Aerospace Engineering

Experience/skills

- You are an assertive team player, and take ownership of projects assigned to you
- You have 3 or more years of experience as a development engineer or system architect
- You are experienced in modelling using SolidWorks
- You are experienced in creating technical drawings for manufacturing purposes
- Analytically skilled, you have the ability to translate complex requirements into a system design

- You have experience with a professional quality management system: structured system development according to a process, document revision control, reviews and release control
- Knowledge of documentation: requirements, system design descriptions, risk analysis, validation test plans
- Affinity with electronics
- Excellent communicator in English, both verbally, in writing and presenting
- Proficiency in Microsoft Office (PowerPoint, Word, Excel)

Pré
- Experience with SolidWorks Composer
- Affinity with (optical) physics
- Knowledge of electronics design
- Hands-on experience with electronics and working in an EPA

Availability
Since this is a new job in a fast-growing company, we prefer a full-time commitment but 32 hours is an option. You work from our Alkmaar headquarters .

Personality characteristics
PhotonFirst is a young and maturing professional organization. We have developed a strong pragmatic team mentality in which we work and experiment together to achieve common goals. We are looking for a wide diversity of people coming from different backgrounds to join our organization. We have formulated the following personal traits contributing to our professional mentality:
- Passionate team player taking ownership
- Open, straight, result driven and can-do mentality
- Pioneering, creative, flexible, and entrepreneurial
- Perseverant, professional, and well structured
- Friendly & 'fun to work with'

Inquiry/ application
Should you have any questions about the role, the team or PhotonFirst, don't hesitate to contact Wessel van Haarlem (Team Lead Development & Engineering) or Sjoukje Blom (HR&O Manager) via +31 85 007670.