

Chief Technology Officer

PhotInsight is seeking a co-founder with a photonics engineering background, ideally with 5+ years of experience in fiber-optic sensing, signal-to-image processing, and software/hardware design. Experience with photoacoustic or ultrasound imaging is a plus. Proficiency in English is required (Dutch is a plus).

Your role:

- Collaborate with co-founders to define and implement the company's technical strategy, leveraging your expertise to achieve both short- and long-term goals.
- Build and lead a tech team to drive product development.
- Manage relationships with co-development partners and suppliers.
- Work with the application team to ensure smooth integration into clinical workflows.

What we offer:

- A dynamic and international environment in the HighTechXL ecosystem where you'll be a MedTech entrepreneur, contributing to both technical and business development.
- Be involved in the entire process: from prototype design to product development and lifecycle management.
- As a co-founder, you'll have the opportunity to make a direct impact on healthcare by advancing precision vascular treatment through fiber-optic sensing.
- Initially, a share in the company, with a salary upon securing funding.

Practicalities:

- Availability of at least 2 days per week. The commitment is expected to go up once funding is secured.
- We are located at HighTechXL on the High Tech Campus in Eindhoven.

Interested?

Send your résumé and motivation letter, or any questions to jobs@photinsight.com



Who are we?

At **PhotInsight**, we envision a future where medical professionals have real-time access to the imaging and diagnostic information they need to make informed decisions, ultimately saving and improving lives. Our mission is to support medical specialists with advanced imaging solutions, powered by **optical fiber sensing technology**.

We overcome the limitations of traditional intravascular imaging by introducing **intravascular photoacoustic imaging**, which offers a multispectral view ("seeing in color") of blood vessels. This high-precision imaging minimizes complications during procedures, such as stent placement, by ensuring **optimal positioning on the first attempt**. This not only improves patient outcomes but also reduces the need for repeat interventions and post-procedure complications.

Our groundbreaking solution leverages a **novel all-optical fiber sensing approach** to image coronary blood vessels, with an initial focus on **coronary vascular disease**. Future applications will extend to **peripheral, cerebral vascular diseases**, and **organ inspection**, expanding the potential to transform medical imaging across multiple fields.