

WANTED

R&D INTERN – LOAD CELL DEVELOPMENT

Optics11 is developing a new family of optical fiber sensing systems based on unique, proprietary technology. We are looking for a hands-on R&D Intern who has experience in engineering analysis, mechanical design, developing and building test set-ups, and performing measurements. While working with highly motivated and talented colleagues from R&D and production, the candidate will be in charge of developing an optical fiber based load cell for condition monitoring of high voltage assets. Are you in for a challenge?

The ideal candidate is a mechanical engineering (or similar, material science, aerospace engineering etc.) student with relevant experience and/or knowledge including the following:

- Solid mechanics, dynamics, vibrations, materials science
- Mechanical design using CAD software, Design for Manufacturing and Assembly (DFMA)
- Performing measurements related to sensor Validation & Verification
- Data processing using Matlab and/or LabVIEW
- Basic machine-shop skills.

The tasks for the internship include the following:

- Study existing load cell designs.
- Develop load cell concepts based on Fabry-Perot interferometry, considering temperature compensation, and challenging environments.
- Evaluate the feasibility of the developed concepts for specific, customer driven applications.
- Design and develop the test setup and protocol to verify sensor performance.
- Produce a detailed report in English.

The ideal candidate is passionate and enthusiastic; result driven and capable of working in a dynamic environment.

Hours: full-time

Education: BSc final year/MSc student

What do we offer?

Optics11 is a fast-growing high-tech company based in Amsterdam and is developing new optical fiber measurement systems for many different markets, with customers all over the world. Our sensing systems include acceleration sensing for condition monitoring and seismology, acoustic emission sensing for structural health monitoring, hydrophones for sonar systems, pressure and force sensing for life science applications, and much more. You will be part of a young and enthusiastic team, working in a challenging international environment, with huge opportunities to grow.

Join us!

To apply, send in your resume and motivation letter to info@optics11.com

For more information contact us by email or via +31 20 598 7917.

