

Are you looking for new challenges? Come and join us! If you are a **Senior Optical Engineer** with expertise in developing free-space prototypes, high-speed acquisition and control systems, and want to contribute to help reduce CO₂ emissions, send us your CV at info@opusrse.com.

Opus is one of the world's leading company of remote sensing systems which non-intrusively monitor the gaseous emissions of both road and rail traffic, at the single vehicle level. As an environmental consultancy and technological company, we provide a unique solution to measure the polluting emissions of circulating vehicles in real-world conditions. We are looking for a Senior Optical Engineer to join our R&D team and contribute to the development of the next-generation remote sensing system.

Your mission:

- Lead the design and prototyping of an optical based sensor to monitor gaseous pollutants from road and rail traffic.
- Drive the management of the project from a prototype stage right through to commercial launch ensuring Opus quality standards.
- Participate and collaborate with other technological areas within Opus by offering new solutions that can lead to patents.

The ideal candidate would have:

- 3+ years expertise in developing and evaluating free-space optical systems, preferably in the field of production products.
- Hand-on expertise in infrared (IR) laser systems and electro-optical devices. Expertise in QCL and ICL instruments is a plus.
- Basic laser spectroscopy knowledge.
- Strong experience using Python / Matlab / Labview.
- Strong communication skills in English is essential.
- High-speed electronic acquisition and control system using microcontrollers and DSPs. Expertise in firmware development is a plus.
- Master's degree or PhD in a technically related field.

What we offer:

- Solid, fast expanding company.
- International environment.
- Challenging R&D projects.
- Competitive salary in accordance with experience and skills.

Please send us your cv at info@opusrse.com with the reference "Optical Engineer position" together with a cover letter. We are looking forward to meeting you.