

OPUS RSE, an European company based in Madrid, leader in the sector of real-time emissions monitoring and road traffic characterization with the use of Remote Sensing technology (RSD) is searching:

## **LASER SPECTROSCOPY SPECIALIST**

### **RESPONSIBILITIES**

- Design, validation and upgrade of the devices RSD
- Contributes to define the global innovation product and ensures the detailed design of the optical elements which compose it
- If necessary, implements new design tools to ensure efficient and quality optical designs
- Participates actively to the drafting of standards linked with new concepts: design rules, design guidelines, user guide for software tools
- Directly involved in the characterization of physical parts (mock-ups, initial samples, prototypes, representative sets) to check compliance with requirements

### **PROFILE**

- Expertise in optical design and development of products based on laser spectroscopy (optical alignment, laser beam characterization...)
- Experience in absorption based techniques and quantification
- Familiarized with QCLs, sensors, optical modelling and simulation
- Proven skills to implement optical and electrical experiments.
- Good numerical analysis skills (LabVIEW, MATLAB, Python)
- Good 3D simulation skills (SolidWorks, AutoCad)

### **Requirements**

- 5 years of experience in a similar position or as optoelectronic engineer
- High level of English
- Good analytical skills, high level of creativity and problem solved oriented
- Communication and high energy

Interested send CV to [cristinamerino@koppnexexecutive.com](mailto:cristinamerino@koppnexexecutive.com)