

SYSTEM ENGINEER

At IDQ, we change the world, one photon at a time. We harness light to develop and industrialize the most advanced quantum products and technologies and help to build long-term trust. We offer quantum key distribution systems and quantum random number generators, and with them we provide the highest level of future-proof security.

As our company enters a high growth phase, and to complete our team, we are looking for a **System Engineer** to join the R&D department based in the Geneva headquarters. In this role, you will combine your passion for technology with your client focus to link our core Quantum Key Distribution (QKD) System to external secure networks for different industries. Working in an international environment where a high sense of product ownership is required, you will contribute in developing our product by designing and integrating opto-mechanical modules. Additionally, you will participate in validating the product requirements and performances, ensuring its efficient and reliable integration within our customer's fast evolving environment.

Key Functions and Responsibilities include:

- Develop from prototypes up to ruggedized opto-mechanical modules leading to an industrial-grade QKD product
- Assemble, characterize and validate opto-mechanical prototypes and pre-series, involving lasers, single-photon detectors and other optical components
- Bring the developed system to manufacturing stage (industrialization and productization)
- Support the project and manufacturing teams in troubleshooting QKD devices and products
- Support the QKD products deployed in the field and on customer site, by advising Customer Support department or directly troubleshooting the systems
- Work closely with subcontractors to ensure reliable sub-systems manufacturing
- Work with experts from other backgrounds and skillsets, to succeed in developing high-tech systems
- Write and maintain technical documentation

Desired Skills & Experience:

- Masters or PhD in Experimental Physics or similar, preferably quantum-optics related
- Experience in manipulating optical fibers, SPADs and lasers
- 2+ years of experience in an industrial environment
- Experience in product development and industrialization
- Knowledge in programming in Python or other scripting languages
- Familiar in using laboratory equipment (optical power meters, oscilloscopes, etc.)
- Experience with Inventor or Spaceclaim as a plus
- Good understanding of electronic and software troubleshooting
- Comfortable in using multiple operating systems (Windows and Linux)
- Motivated, independent, good team worker and well organized

The position is open immediately.

Should you be interested by this opportunity, please send a full application to:

HR@idquantique.com

ID Quantique is an equal opportunity employer and considers qualified applicants for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, gender identity, age, disability, veteran status, or any other status protected by law.