

## SENIOR INDUSTRIALIZATION ENGINEER

ID Quantique (IDQ) is the world leader in quantum-safe crypto solutions, designed to protect data for the long-term future. The company provides quantum-safe network encryption solutions and services to the financial industry, enterprises and government organisations. IDQ also commercializes a quantum random number generator (QRNG), which is the reference in the security, simulation and gaming industries. Additionally, IDQ is a leading provider of optical instrumentation products, most notably photon counters and related electronics. The company's innovative photonic solutions are used in both commercial and research applications.

To address the Company grow, ID Quantique is looking for a

### Senior Industrialization Engineer

#### Job Summary:

The Senior Industrialization Engineer will be responsible for specification, integration and validation of all industrial engineering aspects of new products to ensure that designs can be easily manufactured. This includes a strong collaboration across Procurement, Engineering and Production departments to ensure a smooth product release into manufacturing.

The Senior Industrialization Manager will report to the **Vice President Quality & Industrialization**

#### Principal Duties:

- Engage Design Engineering early in the product development process for ensuring testability, assembly feasibility and manufacturability
- Specify the design and manufacturing of the production test benches including software, equipment and tooling according to each project's need
- Assess the material cost and manpower of each industrialization project
- Conduct and follow up subcontracting activities based on cost and supply channel studies
- Implement mass production processes through the writing of procedures, work instructions
- Organize trainings with Production department
- Analyse engineering change requests and update the manufacturing documents and processes accordingly.

## Required Qualifications

- Master's degree in Electronics.
- Minimum of 3 years of experience in realization of production test benches
- Significant experience in Project Management (Waterfall & Agile)
- Knowledge of versioning management tools (GIT)
- Knowledge of programming language C, C++ and Python
- Knowledge/experience in LabVIEW environment and software
- Knowledge/experience in design of printed circuit boards (PCB), multilayer stack-up, impedance control, signal integrity, back drilling according to IPC standards.
- Fluent in English and French

## Desired Qualifications:

- Good understanding of mechanical, electrical and optical assembly.
- Knowledge of CAD tools for mechanical design is a plus
- Experience in manufacturing process/methods.
- Ability to work with people from other background, with other skills
- Open-minded, autonomous, self-organized

Should you be interested by this opportunity, please send a full application to [hr@idquantique.com](mailto:hr@idquantique.com)