

## Mechanical 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. We develop the most advanced single-photon detectors and timing instruments to exploit the power of light at the quantum level. We develop solutions that provide the highest levels of sensitivity and precision, and we enable novel and secure applications based on these. At IDQ, we have an unwavering commitment to quality and integrity with strong corporate governance based on the following values: transparency, respect, long-term trust, accountability, and courage.

As ID Quantique enters a high growth phase, we are looking for a **Mechanical Engineer** to join our R&D department based in Geneva. In this role, you will be working in an international environment where a high sense of product ownership is required and where your contribution to its evolution is key. You will be in charge to design, validate and improve mechanical enclosure to host the various optical and electronic devices composing our systems. As the general tendency of industry is to develop compact devices, you will succeed in your mission by developing industrial-grade and cost-effective mechanical solutions that fulfil dimensional and thermal requirements.

### Key Functions and Responsibilities:

- Develop the mechanics of cutting-edge system from prototype to industrialized product
- Perform analysis, engineering calculation, simulation and testing of thermal dissipation and develop solution to fulfil dimensional and thermal requirements
- Improve and design new compact solution for our cryogenic devices
- Become the mechanical expert in the R&D department and support other project challenges
- Be able to communicate effectively with other technical discipline and other stakeholders to optimize block specification and performance
- Create documentations from analysis phase, through 3D modelling to manufacturing, using CAD software
- Conducts complete engineering tests to bring-up and validate the developed assembly
- Select, follow and guide subcontractors to achieve project goals efficiently
- Rigorous approach focused on delivering high quality results using IDQ's design process flow

## Desired Skills & Experience:

- Bachelor or Master in Mechanical or Microtechnique Engineer or equivalent, with 5+ years of relevant experience
- Hands on experience in mechanical design using metal sheet or machining
- Experience in developing thermal dissipation solution in compact system
- Understanding of cryogenic system is a plus
- Good English spoken and written (C1 level)
- Ability to communicate and present to internal customers and colleagues
- Self-starter, organized, able to work independently, positive, and eager to learn and deliver
- Team-player with a strong interest in working in an Agile environment with a high level of interaction

**The position is open immediately.**

Should you be interested by this opportunity, please send a full application to [hr@idquantique.com](mailto:hr@idquantique.com) with Mechanical Engineer mentioned in the subject.

*ID Quantique SA 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.*