

## Production Technician

### Who we are and what we do:

LuxQuanta is a start-up company focused on secure quantum cryptography technologies for communication infrastructures. The company is driven by a passion for innovation and a deep commitment to delivering state-of-the-art Quantum Key Distribution solutions that are easy to install while meeting the highest security requirements of governmental institutions, financial entities, data centers, and private telecommunication network providers. With its cutting-edge technology, experienced team, and dedication to excellence, LuxQuanta is determined to shape the future of quantum-secured communications, while nurturing the development of a robust quantum ecosystem in Europe.

### What you will do:

We are seeking an electronics technician to join our team in the assembly and manufacturing of the electro-optical hardware for our quantum key distribution products.

### Key responsibilities:

- Manufacture and set up of electronic cables and connectors, PCBs, power supply circuits, electrical assembly.
- Assembly of mechanical parts for component fixing, and product enclosing in rackmount chassis.
- Performing functional tests and complete product tests, electro/optical characterization of components.
- Leading lab by managing and classifying inventory of electrical/mechanical/optical components for production and laboratory.
- 3D design of basic mechanical components, and design of simple electronic circuits and PCBs.

### What you will bring with you:

- CFGM/CFGS or Degree in Electronics and/or Telecommunications
- (+1- 2 years) experience in electronic assembly: ability to read electrical schematics, soldering PCBs, and mounting of SMD components.
- Basic mechanical assembly skills: usage of basic tools (drilling, cutting) for mechanical parts.
- Experience in laboratory environment: usage of laboratory instrumentation (tester, oscilloscope, etc) for electrical tests.
- Experience with 3D design software (autoCAD, autodesk, OrCAD).
- Good level of English (B2)
- Excellent manual dexterity and hand-eye coordination
- Strong problem-solving skills in a production environment
- Team-oriented attitude with effective communication
- Reliability and punctuality in meeting production schedules
- Adaptability to new technologies and assembly processes
- Ability to work under minimal supervision while maintaining accuracy

### What we offer:

- Competitive salary, private health insurance and ticket guarderia.

- 25 days of annual leave
- Opportunities for professional development and career growth in a vibrant multicultural work environment in Barcelona.
- Flexible working hours and hybrid work model.
- Short Fridays during the Summer.
- Convenient commute from Barcelona through a shuttle bus, or by bus or train.