Test Engineer – Optics Lab

Do you want to work with cutting-edge quantum technology? Do you have a solid technical background and do you work with a lot of perseverance and accuracy? Do you want be part of a diverse and dynamic scale-up company? Then we invite you to read on and apply!

In short

Single Quantum (singlequantum.com) designs and builds the world's fastest and most sensitive light detection systems and we claim that in doing so we are only limited by the laws of physics!

As a scale-up we are growing steadily as we are servicing our growing customer-base worldwide. So, we need somebody who is confident in working together with our customers to find the best solution for their scientific needs. Ideally, we want you to work fulltime and you are based at our HQ in Delft.

What you will be doing

As our Test Engineer, we want you to be responsible for testing (characterization and validation) the heart of our superconducting nanowire single photon detector (SNSPD) systems.

You will arrive at an international and innovative environment and will be working in our Production Labs in Delft.

What will you be doing exactly?

- Perform optical and electrical characterization of SNSPD's by using a variety of lab equipment.
- Execute quality control and performance validation of the complete systems.
- Check and maintain characterization setups to ensure accuracy.
- Mount detectors and check the performance of the cryostats.
- Report feedback to nano-fabrication to develop the best photon detectors possible

You will work closely with other team members but the actual testing is performed independently. You will need real tenacity and great accuracy to follow through. You will play an important part in getting our systems on time to our scientific customers all over the world.

We are in the process of developing a more automated fashion of testing. We will also ask of you to contribute and assist with this process in order to optimize and reduce testing time and thus further decrease production time.

Your profile

We are looking for a techie who has...

- A Bachelor's or Master's degree in the field of Engineer, Electronics or equivalent;
- A feeling of wonder and admiration for physics;
- Experience with laser set-ups or quantum optics is a plus:
- High sense of commitment and responsibility;
- Precise working attitude;
- Good time management skills;
- And you have a good working proficiency in English

Our offer

- Competitive salary and benefits;
- Travel allowance;
- A retirement plan;
- Up to 38 vacation days;
- An international, high-tech environment with colleagues from the Netherlands, USA, France, Italy, China and the list goes on!
- Room for new initiatives and ideas. We're always willing to listen, whether you've been with us for a week, a month, or a year;
- An employer who truly values personal development and growth who invites you to do the same;
- Social security offered by the Collective Labor Agreement Metal & Technology (*CAO Metaal en Techniek*)

We are Single Quantum

At Single Quantum we confront every challenge with innovation, dedication, and passion. Founded in 2012, our team emerged as true pioneers of single photon detection technology. We were among the first to manufacture and commercialize superconducting nanowire single photon detectors. Since then, our multi-channel Single Quantum Eos photon detection system has been chosen by more than 100 academic and industrial labs all over the world to perform complex optical measurements.

We want to share this groundbreaking technology with the world. As a sincere company with a straightforward vision, Single Quantum will continue to develop and improve the world's fastest, and most sensitive light detection systems. Join us in turning photons into data!

Equal Opportunity Employer

At Single Quantum, we celebrate diversity and are committed to creating an inclusive environment for all employees. We are proud to be an equal opportunity workplace.

How to apply?

Send your CV and motivation letter to: career@singlequantum.com. If you have any questions feel free to contact us.