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## Photonic Engineer/Scientist opening at Sparrow Quantum



### Job Description:

Sparrow Quantum is developing single-photon sources based on advanced InAs quantum dots operating at 5 K. You will be part of a team of world class scientists and engineers at Sparrow and the Niels Bohr Institute, and your focus will be engineering of the technology into a plug and play product. In the job you will collaborate with advanced technology partners in Finland and Germany on different aspects of the technology. The job calls for competences within science and engineering of advanced photonics systems.

### Formal position title:

Photonic engineer

### Job Overview:

- Test of fibre couplings and collaboration with partners on improving the technology
- Packaging of the fibre coupled sparrow chip
- Integration of the technology into a cryostat.
- System development, implementation, test and validation
- Technical contact to project customers and partners
- Project management
- International travels when required

### Responsibilities and Duties:

- Responsible for packaging and fibre coupling activities
- Engineering lead on developing a plug and play SPS source
- Contact to partners within these areas

### Education level:

- Master or PhD in optical engineering/physics
- Personal characteristics.
  - Structured
  - Focused
  - “Easy going” personality with a “can-do” attitude
  - Easily blending in with university people however still with a strict commercial mind-set.
  - Self-starter
  - Safety centric

### We offer

- To be part of an international world leading team within the growing area of quantum technologies
- Challenging tasks and a large level of influence on how the tasks are solved
- Flexible working conditions and market salary

### Contact

- For further information contact project manager Kurt Stokbro, [kurt.stokbro@sparrowquantum.com](mailto:kurt.stokbro@sparrowquantum.com), +45 51320610

### Application deadline and start date

- Send you CV and a 1 page motivation letter to [jobs@sparrowquantum.com](mailto:jobs@sparrowquantum.com) before august 15, 2021
- Start date is your earliest convenience in 2021

