



Detector Engineer £35-42.5k + bonus + benefits

Quantum Detectors is a spinout from Diamond Light Source, based on the Harwell Science & Innovation Campus. Quantum Detectors develops technology and provides a route to market for instrumentation developed by the Detector Group at Diamond and other internationally renowned facilities. Our products are well respected and installed at synchrotrons and in STEMs around the world.

The successful candidate will join a vibrant team who are passionate about distributing cutting edge technology to the world's leading laboratories. Global travel is a part of this role, with up to 30% of their time being spent in locations commonly including Western Europe, North America and Japan.

This role will involve technical work at the Rutherford Appleton Laboratory site as well as installation, troubleshooting and demonstration of Quantum Detectors' products around the world. The ideal candidate will be a hands-on individual with extensive experience in the repair and test of computer software/hardware, electronics equipment and capable of safely handling extremely sensitive semiconductor components. The position requires close interaction with a range of existing staff with different backgrounds: the Technical Sales team, Application Engineer, Detector Scientist and Project Management Office so good communication skills are essential.

Responsibilities:

- Installation and troubleshooting of X-Ray and direct electron detectors at customer sites
- Final build and assembly of custom or prototypical systems
- Execution of calibration and quality assurance procedures
- Quality assessment of product components before assembly
- Installation of operating systems and custom software
- Meticulous record keeping of tested/assembled parts and delivered products
- Assembly and testing of electronic equipment: PCBs, cables, connectors, etc
- Test and repair of electronic components and software for various company products

Essential Qualifications & Experience:

- Experience in electronics workshop
- Experience using linux, Windows and Mac OS as an administrator
- Good interpersonal skills and communication

- Ability to work as part of a multidisciplinary team
- Self motivated and pay attention to details
- Keen to travel independently for QD
- Must be eligible to work in the EU
- Must have a full UK or EU driving license

Desirable Qualifications & Experience:

- Familiar with EPICS build environment
- Hatred of slow paced IT development
- Experience in the use of electronic test equipment (Multimeters, Oscilloscopes etc.)
- Knowledge of difference between bolt and machine screw
- Clean room experience
- General knowledge of particle detection techniques and readout electronics
- Programming language experience (python, C++, matlab, VHDL) is a plus

Further Information

- Must be available to travel within the UK and abroad, including overnight absences
- Must have the flexibility to adapt to the challenges and opportunities presented by working for a small company

As part of a fast growing company you will be expected to have an all hands on deck attitude to work, your role and responsibilities will be dictated by the business needs and will, at times, be outside of those detailed above.

The successful candidate will become part of a supportive team, benefit from excellent facilities at the world class Harwell Oxford science campus (sports facilities, cafes, social club, library, restaurant, etc). See harwelloxford.com for further details.

This permanent full time position offers a flexible 35 hour working week, 30 days holiday and a generous pension contribution. The package includes high-spec soldering iron and pliers, laptop and phone.

If you are interested, please submit a CV and letter describing why this job appeals to you and what differentiates you from other candidates to: careers@quantumdetectors.com.