

Mechatronics Engineer for Robotics and AI Start Up

Reporting To: Robot Manager

Deadline & Term: ASAP, Permanent, Full Time

Package: Salary + Performance Related Pay or Options Scheme

Location: London (Wandsworth) or Newcastle

Are you looking for an exciting opportunity to enhance your skills in robotics, mechanical and electrical engineering? Are you keen to work with a dynamic, fast-moving technical team to build, service and maintain robots? Would you like to work with colleagues on the development of new robots, contributing ideas to their design and testing them once developed?

Q-Bot is a fast-growing robotics and AI company based in London and Newcastle that is working with social landlords across the UK to install underfloor-insulation. The company is now looking for a Mechatronics Engineer to join the team and help design, build and service the company's robots. This role would suit an ambitious individual who is enthusiastic about learning and developing a successful career within the robotics industry. The ideal candidate would be confident, self-motivated, a keen team-player and enjoy a challenge, with a keen interest in how mechanisms work.

This position is initially based at Q-Bot's premises in London or Newcastle but as your skills level increases there will be the opportunity to work at sites across the UK. Work away will typically be between 1 and 5 days but usually no more than once or twice per month. Accommodation and expenses will be paid by the company whilst you are away.

Key Responsibilities:

As a Mechatronics Engineer you will join Q-Bot's Robot team to build, service and maintain the company's robots and feedback improvements to the product development team. This position offers a great deal of variety, lots of hand on experience as well as the opportunity to take on new projects. Responsibilities will include the following:

- Building the company's robots, including electrical wiring and mechanical assembly.
- Assist with the build, testing and commissioning of the electrical control systems.
- Assist in the service, maintenance and repair of the company's robots to ensure they are robust, reliable, useable and ready for action at all times.
- Put the robots through their paces in test environments and at live sites.
- Contribute new ideas and improvements to product development.

Duties:

- Assembly and production of robotic devices.
- Wiring, commissioning and testing of robot modules.
- Use of debugging techniques to diagnose faults and issues.
- Replacing robot's parts that have worn over time before they fail.
- Developing robot assembly and testing instructions.
- Development of robot operating manuals.
- Assist during robot demonstrations at the Q-Bot headquarters.
- Organising the workshop environment and ensuring it is tidy at all times.
- Assist installers on-site whenever necessary.

Required Qualifications, Experience and Skills:

You will have a degree in Mechatronics Engineering or any other relevant discipline. Q-Bot will also consider candidates who have equivalent experience in the manufacturing industry. Knowledge in software development, testing and control systems would be advantageous.

About Q-Bot:

Q-Bot is revolutionising the construction industry with robotics, digital tools and AI to transform archaic processes and enable new services for the inspection maintenance and upgrade of buildings. Q-Bot’s mission is to be able to measure and improve the health of buildings without the cost and disruption of traditional methods.

The company has commercialised a highly innovative method of applying under floor insulation using a [robotic device](#) and has a number of new services in development. As a result of this work Q-Bot has developed a number of exciting robotic and AI technologies which include robotic vehicles, digital manufacturing and 3D printing, control routines for autonomous localisation and navigation, 3D mapping of environments with automatic categorisation of features, as well as tools to manage the installation process and data collected.

The company has a growing team of 30 employees in offices in London and Newcastle. Q-Bot is run by an experienced management team with an entrepreneurial track record, project management expertise and unique blend of robotics and building know how. The company’s employees are a unique blend of engineers with Masters and PhDs in Science or Engineering and professionals with decades of practical experience in the construction sector.

Q-Bot is an equal opportunities employer and welcome applications from all suitably qualified persons regardless of their race, sex, disability, religion, belief, sexual orientation, or age.

Please apply to: future@q-bot.co with a covering letter and CV. **Please note:** no recruitment agents, thank you.

