

KENSA HEAT PUMPS LIMITED

JOB DESCRIPTION

Job Title: R&D Engineer – Software

Workbase: Mount Wellington Mine, Chacewater, Truro, TR4 8RJ

Responsible to: R&D Manager

Established in Cornwall in 1999, Kensa Heat Pumps manufactures the UK's widest range of ground source heat pumps and accessories, including the world's smallest and quietest ground source heat pump, the Shoebox heat pump.

As the UK's only dedicated manufacturer of ground source heat pumps, Kensa combines engineering ingenuity and years of ground source expertise to ensure every heat pump in the Kensa range – the widest ground source heat pump range on the market – has been designed with British homes in mind and tested to exacting standards for ease of installation and use, and optimum efficiency.

From manufacture to installation, Kensa provides reliable and efficient heating and cooling alternatives to polluting fossil fuels. With the current shift away from these fuels, Kensa and the R&D team are expanding to meet the increasing demand. The move towards connected and data driven systems means that we require software engineers who can be versatile and enthusiastic, developing next generation technologies to help installers and customers control and monitor our market leading heat pumps.

The Kensa Group operates over two main sites one in Cornwall and one in Exeter. There are also a number of employees working more remotely across the United Kingdom. In your role you may be required to work across all Kensa work sites in line with the scope of your role.

Main Purpose of the Job:

You'll work as part of the R&D Team to develop new and existing Kensa heat pumps, bringing in fresh ideas through information retrieval and processing, UI design and mobile to help our users connect, explore and interact with our cutting-edge products.

Functional links with:

Suppliers, colleagues, end-users, customers, distributors, business contacts and installers.

Duties and Responsibilities.

1. To carry out software and control-based testing, analysis, development and design of products and equipment.

2. To produce documentation and reports as necessary.
3. To work as part of the R&D Team but also individually as required.
4. To manage smaller projects in order to meet time and budget requirements.
5. To work cooperatively and provide support as required for all companies in the Kensa Group.
6. To undertake training and assist in training other member of staff as required.
7. To be a positive ambassador of Kensa at all times.
8. To work at all times in accordance with the Health & Safety at Work Act 1974 and to follow all company procedures and guidelines which assist this. Whilst working at external sites comply with all on site health and safety procedures and guidelines applicable to that site.
9. To work at all times in accordance with the company's Dignity & Diversity Policy.
10. To undertake such other duties as may be required within the general scope of the job.

Key Behaviours and Skills

1. Degree or equivalent in a software and/or control discipline or appropriate work experience.
2. Good knowledge of C#, Javascript, Python, PHP and other relevant programming languages essential.
3. Knowledge of industrial control systems and communication protocols (Modbus, CANbus, TCP, etc.) desirable.
4. Some knowledge of plumbing, fluid management, renewable energy and/or heating systems and associated smart home control systems would be desirable.
5. Competence with MS Office and Google suite of products.
6. Excellent communication skills, able to interact with other members of the team plus suppliers and customers as required.
7. Able to adapt and flourish in a fast-paced and innovative environment.
8. Able to take on and develop new ideas logically and creatively.

Remuneration

Salary £20-35k depending on experience.

Other

This job description may be subject to change, in consultation with the postholder, in response to new circumstances and employment will be subject to a probation period.