

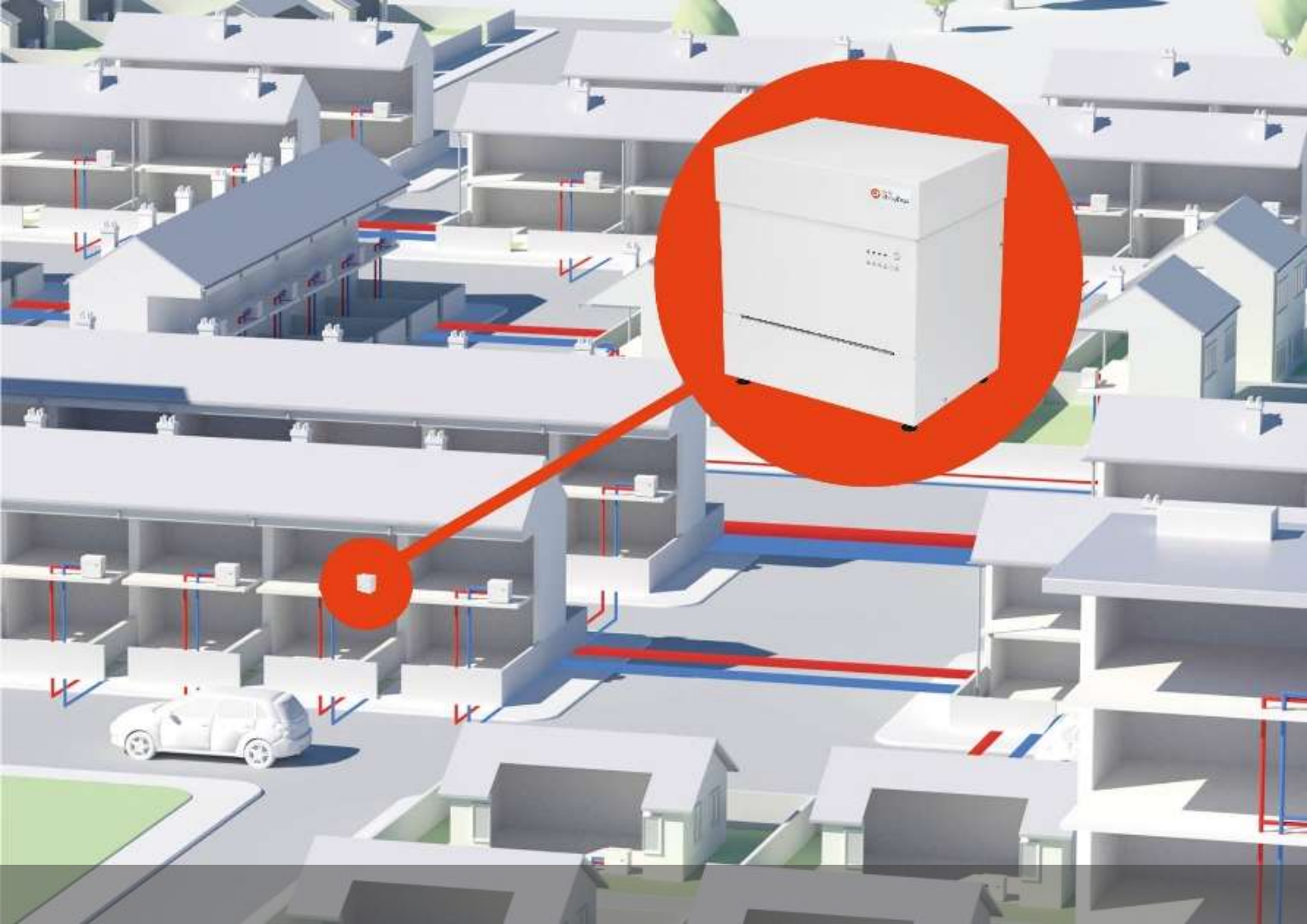


Kensa Heat Pumps

A KENSA GROUP COMPANY

R&D

Senior Design
ENGINEER



GENERAL SUMMARY

The Kensa Group represents award-winning British engineering at its finest - the UK's leading manufacturer of ground source heat pumps (Kensa Heat Pumps), and the UK's pioneer of their mass-scale installation (Kensa Contracting).

The Kensa Group is transforming how Britons heat their homes, delivering a 21st century alternative to the gas grid. With over two decades of proven expertise in low carbon technology, we want to connect people in homes and businesses across the UK to cleaner, greener, and cheaper heat. Together, we will meet the UK's ambition to install 600,000 heat pumps every year by 2028, and be net zero by 2050.

ROLE OVERVIEW

You will lead by example in the Research and Development team to design and develop new and existing Kensa heat pumps. You will bring in fresh ideas to ensure that we develop, maintain and expand our range of cutting-edge products.

You will be working within a successful and very capable Engineering department whose day to day tasks will help thousands of people to reduce their energy costs and the UK to achieve its net zero carbon targets.

We are seeking a self motivated Senior Design Engineer to lead on a broad array of exciting and challenging projects.



ROLE BENEFITS

To facilitate your success, we will provide an innovative and futuristic oriented environment, a forum to express and test ideas, and interesting work with challenge and opportunity.

We also offer the pivotal opportunity for you to make a significant contribution to the safeguarding of our environment, saving the planet one heat pump at a time.

At a grass roots level, we welcome you to a culture of incredibly hard-working, knowledgeable, inspiring, committed, enthusiastic, and passionate people.

We expect a lot from our staff, because we expect a lot from our industry's potential – we are all committed to the UK's 2050 path to net zero carbon, and are determined to achieve that goal but we want to enjoy the journey together.

Competitive salary: £30,000 - £40,000 base. Dependent on qualifications and experience.

Pension: Automatic enrolment into Kensa's company pension scheme.

Holiday: 25 days holiday increasing to 30days holiday (plus bank holidays) for 5+ years' service.

Flexible working environment: We understand the benefits of flexible working conditions to meet the demands of your role, so we can accommodate a blend of working from home and office based where this is possible

Office culture: Aside from a fully stocked sweet cupboard, we ensure you are well-stocked and have all the technology and equipment you need to perform at your best.

Social events: Work hard, play hard, we love to host regular Kensa parties for staff and their families, and in recent times when we haven't been able to get together in person, we do all we can to keep spirits high.

Growth: Your development is important - we encourage and help with development including internal and external courses, learning, study, and software support, all bespoke to you.

Wellbeing: Free 24/7 access to an independent and confidential Employee Assistance Programme for you and your immediate family.

Health: Private Health Insurance available after one year of service.

Active: Cycle to Work Scheme to help lower your carbon footprint whilst boosting endorphins and your health

ROLE REQUIREMENTS



Not everyone can be a Senior Design Engineer at Kensa. We are looking for a candidate who has passion, an inquisitive mind, and natural problem solving skills to fill this requirement. The successful applicant will be legally permitted to work within the UK.

EXPERIENCE

- Experienced Engineer proven track record with the relevant skills. Minimum 5 years working experience.
- Experience managing change through engineering change processes.
- Proven track record designing for manufacture.
- Ideally experienced in metal work design for high volume manufacture.
- PDM data management and processes.
- Experience as a drawing checker.
- Co-operation with suppliers.

EDUCATION

Degree educated in an appropriate course or similar equivalent qualifications.

CHARACTERISTICS

We require excellent communication skills and the desire to take on responsibility. We seek someone who has a keen eye for detail and who will lead on design office processes precisely.

The successful candidate will be driven and self-motivated in a fast paced and innovative environment, they will have the ability to work across multiple projects with changing priorities, both as part of a team or autonomously.

ESSENTIAL SKILLS

- Excellent ability and desire to grasp new concepts and ideas.
- Highly proficient in CAD systems, Solidworks would be advantageous.
- The ability to create and check technical drawings.
- Confident in working as part of a team and comfortable in raising concerns or improvements to product development.
- Comprehensive understanding of applied physics.
- A keen eye for detail and a methodical work process.
- Ability to write concise technical reports.
- Excellent communication skills.
- Time management, organisation and the ability to work to deadlines.
- Flexible approach to work and adaptable to change.
- Excellent analytical and numerical skills.

DESIRABLE SKILLS

- Solidworks CAD Experience.
- Understanding of refrigeration cycles.
- Ability to design sheet metal fabrications for high volume manufacturing.
- Pipework design.
- Refrigeration circuit design and optimisation.
- Manufacturing process knowledge.

ROLE RESPONSIBILITIES

The successful candidate will acquire the following responsibilities:

- To be responsible for the quality of the digital models and drawings of our products, both in terms of precision and document control.
- To carry out and supervise mechanical based analysis, development and design of products and equipment.
- To understand and improve on the current product range designs.
- To assist with supplier management by collaborating with Quality and Manufacturing teams.
- To produce and check CAD drawings, documentation and technical reports.
- Manage the control of Kensa Design drawings ensuring rigorous document control practices are maintained.
- To plan out your tasks and communicate your plans with the team.
- To lead and manage projects as well as work within others.
- To design Ground Source Heat Pumps.
- To report on a monthly basis to Engineering Manager on project updates.
- To be an agile problem solver.
- To work within the Design process and offer improvement where necessary.
- To manage the requirements of your projects and tasks effectively.
- Direct and supervise the day to day work of a small team of Engineers.
- To mentor junior members of the team and help everyone to learn from your experience.
- To use sound engineering practices including Design for Manufacture & Risk Management
- Ensuring smooth transition from design through to manufacture.
- To communicate with the departments stakeholders.
- To manage outsourced work with suppliers.
- To develop your own knowledge and understanding in relevant fields of learning.
- To work within the Engineering Change Process, where appointed to lead on change projects ensuring the desired outcomes of the change board are met and recorded.
- To work cooperatively and provide support as required for all companies in the Kensa Group.
- To undertake training and assist in training other members of staff as required.
- To be a positive ambassador of Kensa at all times.
- 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.
- To work at all times in accordance with the company's Dignity & Diversity Policy.
- To undertake such other duties as may be required within the general scope of the job

WORKBASE

This role will be based at Kensa offices in Truro.

REPORTING STRUCTURE

- Reporting to Engineering Manager.

This job description and benefits may be subject to change, in consultation with the postholder, in response to new circumstances.

Kensa are an equal opportunities employer and are committed to providing a working environment that is free from all forms of discrimination and where all employees are treated with dignity and respect.

Please see our Equal Opportunity, Dignity and Diversity Policy for further information.

APPLY ONLINE HERE:

[Thekensagroup.com/kensa-job-vacancies](https://thekensagroup.com/kensa-job-vacancies)

OR SEND A CV AND A COVERING LETTER TO:

jobs@thekensagroup.com