

Senior Design Engineer

Job Vacancy



Job Title: Senior Design Engineer (Plumbing & Heating)

Job type: Permanent, Full-time

Location: Forres, Moray IV36 OR Dingwall, Ross-shire, IV15 (to be discussed at interview level)

In person: Office-based

Salary range: £40,000 - £45,000 per annum

About Us

AES Solar is a leader in renewable energy solutions. With five decades of experience, we've been at the forefront of renewable energy innovation. We deliver high quality, reliable renewable solutions that stand the test of time.

If you work with AES, you're choosing a greener, brighter future with a company that's here to stay. We're growing quickly, creating opportunities for driven employees to progress their careers.

Job Description

Due to continued growth, we are looking to recruit an experienced Senior Design Engineer (Plumbing & Heating) to join our Projects & Services team.

This is a senior, predominantly office-based role focused on the technical design, assessment, and improvement of plumbing, heating, and renewable energy systems. You will play a key role in supporting heat pump operations, post-install service work, and system upgrades, providing clear, compliant designs and expert technical guidance to installation teams and clients.

Working closely with service delivery, project, and operations teams, you will ensure systems are safe, efficient, install-ready, and built to perform reliably over the long term.

Main Tasks & Responsibilities

- Leading the design of plumbing and heat pump systems for new installations, upgrades, and remedial works
- Producing detailed system designs, schematics, and sizing calculations for low-temperature heating systems
- Investigating underperforming or faulty systems and designing effective remedial solutions
- Providing technical support and escalation for complex design or installation issues
- Creating accurate drawings, Bills of Materials, and clear work instruction packs
- Ensuring all designs comply with AES standards, safety regulations, and technical requirements
- Working closely with the Service Delivery Manager to prioritise and plan complex service work
- Liaising with installers and field engineers to understand site constraints and installation challenges

- Maintaining accurate system records and updating specifications following post-install changes
- Identifying recurring technical issues and feeding insight back to improve standards, training, and product selection
- Sharing technical insight with project teams to improve future system performance

Skills & Experience:

Required:

- Significant experience in plumbing and heat pump system design or engineering support
- Strong knowledge of low-temperature heating systems, system sizing, and hydraulic principles
- Proven ability to produce compliant designs, schematics, and technical documentation
- Experience generating Bills of Materials and installation work packs
- Excellent communication skills, with the ability to explain technical concepts clearly
- Strong organisational skills and attention to detail
- Calm, methodical, and solution-focused approach to problem solving

Desirable:

- V HND or Degree in Engineering, Building Services, or Mechanical Engineering
- MCS accreditation or experience working to MIS 3005 standards
- Knowledge of UK Building Regulations
- Previous senior or lead engineering experience in plumbing, heating, or renewables
- Experience supporting or mentoring installers or engineers

Benefits:

- BHN Extras (financial health, physical fitness, mental wellbeing)
- Company events
- Company pension
- Cycle to work scheme
- EV scheme
- Employee discount
- Group income protection
- Health & wellbeing programme
- Life insurance & UNUM Help@Hand
- On-site parking
- Private medical insurance

If you are interested in applying or have any questions, please feel free to drop us an email at hr@aessolar.co.uk or call us on 01309 676 911. You are also welcome to visit the careers page on our website - [AES Solar Careers](#)

We look forward to hearing from you!