Energy Engineer

Salary: Salary dependant on experience + Up to 20% performance bonus

Benefits: Up to 7% matched Pension, private medical insurance, and travel insurance

Hours/days per week: 37.5 hours/5 days

Place of work: Hybrid minimum 3 days in South Oxford office

Reports to: Chief Development Officer

About us

Heat in buildings accounts for more than a third of the UK's total carbon emissions, with more than two million businesses and 24 million homes burning fossil fuels for heating.

To achieve Britain's climate goals, there is an urgent need for a national shift from fossil fuel heating to low-carbon alternatives—and heat networks offer a proven, scalable option.

1Energy is the UK's leading developer of low-carbon, city-heat-networks. Our mission is to decarbonise heat in cities and towns across the UK, accelerating the transition to net zero.

Our heat networks provide the lowest cost, simplest and fastest route to decarbonising heat at scale and a long-term foundation for healthier, greener cities.

In just over three years, 1Energy has grown from a start-up to having over £600m of heat networks in development, with ambitions to deploy £1bn within the next eight years into building new networks.

1Energy is backed by a dedicated fund established by Asper Investment Management, which supports the development, construction and operation of our networks.

Our team are leaders in the heat network industry—having delivered and operated more than 100 district heating projects over the past 15 years.

About the job

The Energy Engineer is responsible for the technical development and assessment of 1Energy's heat network projects, supporting their progression from initial feasibility through development, commercialisation and into delivery.

A key focus of the role is providing the technical analysis and design input that underpins early-stage project development — assessing the viability of potential locations and buildings, and ensuring that technical, commercial, planning and delivery considerations are brought together from the outset of each project.

The Energy Engineer plays an important role in shaping 1Energy's projects so that they are commercially viable, investable and deliverable, by producing and testing the technical assumptions, concept designs and techno-economic inputs on which development decisions are based, and ensuring they are robust, proportionate and aligned with business objectives. Working closely with the development, commercial, planning, delivery and operational teams, the Energy Engineer provides technical inputs that support:

- A strong customer proposition for customers to connect to 1Energy projects
- Commercial modelling and investment decision-making
- Site identification and assessment for Energy Centres and network infrastructure
- Planning applications and stakeholder engagement
- Grant and funding applications to bodies such as DESNZ, Ofgem and local authorities
- Long-term operational performance and asset resilience

The role also involves representing 1Energy's technical work to customers, partners and public sector stakeholders, and feeding lessons learned from project delivery and operations back into future developments.

While working under the technical direction set by the senior team, the Energy Engineer takes ownership of the day-to-day technical analyses, concept design support and studies that move projects forward, ensuring engineering, commercial and operational considerations are integrated across the project lifecycle.

What you'll do

- Identify potential geographical locations and buildings to target for heat network development, working with our Geographic Information System (GIS) mapping team.
- Support the design of energy centres, heat networks and building connections, working with internal colleagues as the team grows and with specialist external consultants.
- Contribute to 1Energy's grant and funding applications, working with internal teams and external stakeholders such as DESNZ, Ofgem and local authorities.
- Develop and maintain consultative relationships with 1Energy's sales team, in particular providing technical inputs which support commercial decisions and developing contracts.

- Achieve project development targets set by the senior management team.
- Accurately report to management on project development progress.
- Participate in customer meetings, seminars, trade shows and other suitable marketing opportunities.
- Prepare and deliver presentations, proposals, reports and analyses as required.
- Support the leadership team in the strategic development of the organisation.

These are the core responsibilities of the role, but the successful candidate is expected to be flexible and to support activities across other 1Energy functions—including development, design and internal operations—as required.

What you'll need

Essential

- A degree in engineering or another relevant discipline.
- Three or more years' experience in a relevant sector, ideally district heating, renewable heat or a related field.
- Strong quantitative and analytical capability, both technical and commercial.
- Identify and plan future workload and handle routine work with limited input or supervision.
- Possess self-management skills and the motivation to be able to show leadership with internal and external engagements.
- Attention to detail, leadership and strong organisational skills
- The ability to research, analyse and present on energy technologies, markets and sectors.
- Excellent verbal and written communication skills, with demonstrable relationship-building experience across a range of stakeholders.
- Experience in project management, with a proven track record of delivering objectives in teams and with multiple stakeholders.
- A self-motivated team player who takes the initiative, works well independently and remotely, and manages competing priorities to meet deadlines.
- Strong IT skills, including proficiency in MS Word, PowerPoint and Excel.
- A passion for the UK's transition to a low-carbon energy system.
- Willingness to travel nationally as required.

Desirable

- Knowledge of heat network design, including energy centres and building connections.
- Experience engaging with funding bodies and public stakeholders such as DESNZ, Ofgem or local authorities.
- A full, valid UK driving licence.

1Energy's team is comprised of head office remote and on-site roles, with our team members based across the UK; for this role, however, occasional travel will be required to meet with customers, stakeholders and colleagues.
All applicants must be eligible to legally work in the UK.

Work with us

If this sounds like you, we'd love to hear from you. Please send us an email with your CV to: info@1energy.uk