

<b>Job title:</b>	Chemical/ Energy Engineer	<b>Job category:</b>	Graduate/ Junior
<b>Department/Group:</b>	Technical Engineering	<b>Position type:</b>	Full-time, permanent
<b>Location:</b>	London office + home, on a flexible basis	<b>Travel required:</b>	To office; possibly to sites or client offices
<b>HR contact:</b>	Rosie Griffiths	<b>Date posted:</b>	26 <sup>th</sup> November 2024

### Background on Requirement

#### About Olsights

Olsights is an innovative, mission-driven company focused on helping organisations make better decisions to accelerate decarbonisation development projects in the midst of an evolving and complex data landscape. As a certified BCorp, our goal is to deliver high-impact intuitive visual tools that empower energy developers, energy networks and authorities to accelerate good projects for a sustainable future. We are a small, dynamic team dedicated to building cutting-edge digital tools for spatial energy planning.

#### About the Position

We are looking for an inquisitive and tech-savvy Chemical/ Energy Engineer to join our team as we embark on the next phase of an exciting energy network innovation project, and enhance our general product. This role will play a crucial part in developing energy system relationships for energy transition projects based on sound engineering principles. As our Chemical/ Energy Engineer, you will be responsible for creating and maintaining a database of energy conversions and system requirements etc, to help transform complex data into actionable insights through our tools. You will work closely with our software developers, designer, project stakeholders and national policy-makers to design calculations that align with specific project requirements while advancing Olsights' long-term product vision.

### Job Duties & Responsibilities

#### ROLE AND RESPONSIBILITIES

This role is intended to research and build a database of energy project performance metrics and requirements, and help build a suite of energy technology/ system models to feed our spatial planning tools and future cost/ economic estimation routines. The expected role & responsibilities can be summarised as:

- Researching technical engineering design features, maturity, trends, risks & opportunities for important energy transition technologies (such as renewables, waste -> energy, energy storage) – and including use cases for carbon capture, use & storage (CCUS) and hydrogen technologies;
- Researching project delivery metrics (such as costs, development schedules, consent requirements, contract models etc) for such clean energy project developments;
- Creating models for estimate equipment sizing/ energy output/ costs for such clean energy technologies across a range of scales (from domestic to large industrial) and environmental locations (onshore, offshore, global) in order to assess their suitability against alternative concepts;
- Helping to research and create models for system carbon emissions, lifecycle carbon intensity, lifecycle costs & economics, and marginal abatement cost curves (MACC);
- Helping to find the most efficient ways of working, through maximizing the use of existing/ open-source information, and through modern collaboration/ communication tools.
- Looking for opportunities to participate in experimental or commercial clean energy developments

### Education & Experience Requirements

#### SKILLS & EXPERIENCE

- The candidate must hold a good degree in chemical/ energy engineering or equivalent, with a demonstrated interest and academic study experience in clean/ low-carbon energy developments.
- A track record showing a willingness to work and learn at every opportunity is essential, and previous work experience with industrial engineering / technology would be highly regarded.
- Keen analytic skills are essential, and experience with database/ coding calculations is desirable.

- Must have the right to work in the UK.

A mix of analytical data / engineering modelling combined with practical judgement is preferred for this role. The ideal candidate would be quick to learn new skills, eager to keep learning more, and able to apply new learnings back into ongoing work.

#### Person Specification & Business Behaviours

We are looking for an individual that:

- Has good system thinking and a curiosity to understand the best projects for given geographies;
- Has good information interpretation skills and customer empathy;
- Is a self-starter, comfortable in a small company, and working with large industrial/ gov customers.

We are B Corp certified, working to the gold standard for ethical business - and consider finding the right characters that can positively contribute to our diversity and capabilities, and fit with our culture, is more important than finding a complete experience set (which can be developed). We recruit against values fit.

**Agility:** A key feature of an early-stage startup is the experimental development/ testing of new products to learn which ones can be useful to the business/ customers and is characterised by frequent changes in direction or priority as a result of quick learning. The ability to embrace speed of change & flexibility at work – including taking some risks - is essential (in return we offer a flexible work environment/ pattern).

**Integrity:** Whilst we can provide vision, guidance + collaborative work environment - we need someone who can work independently and be trusted to deliver/ do the right thing even when nobody's watching.

**Authentic:** We need someone who is honest and authentic, relaxed with who they are, and is comfortable discussing the emergence of new problems so that they can be acted on quickly.

**Purpose, Vision & Focus:** With our business focus on Clean Energy projects, it is important that candidates identify with a clear long-term purpose & vision to use tech skills as a force to help meet the climate goals of 2030-50 and beyond, and to have the short-term focus to make steady incremental progress.

**Commitment to Equity, Diversity and Inclusion:** Olsights is committed to recruit the best-fit talent into our diverse team without discrimination along age, disability, gender, race, religion or belief, sexual orientation, gender reassignment, pregnancy and maternity. Candidates from minority or disadvantaged social groups are encouraged to apply and will be treated without bias.

#### What We Offer

- Unique opportunity to shape future of national/ global decarbonisation through innovative technology.
- A collaborative and fast-paced startup environment that encourages creativity and experimentation.
- A salary of **£30,000 pa**, and equity option scheme.
- **25 days** paid holidays plus public holidays.
- Flexible work arrangements and a commitment to work-life balance.
- Access to cutting-edge tools and resources to support your role & broader career development.

#### Application Process

To apply, please submit your CV and a cover letter detailing your relevant experience and why you are excited about this opportunity. Send your application to [hello@olsights.com](mailto:hello@olsights.com). Please use the subject line: "Chemical/ Energy Engineer Application - [Your Name]".

We look forward to hearing from you and discovering how your expertise can contribute to our mission.

Created by:	Tony Griffiths	Date:	22 <sup>nd</sup> November 2024
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