



Senior Project Engineer – Electrolytic Hydrogen

About Progressive Energy

Progressive Energy is a developer of low carbon energy projects. We exist to find, and implement, innovative solutions to deliver major carbon abatement.

We are a hugely motivated team that is energised to deliver a world-class and world-first projects at the heart of the energy transition. The team has dynamic mix of backgrounds with skills across engineering, commercial, finance and communications. Our projects are based around the UK, but primarily in the North West. We have offices in Gloucestershire and Cheshire, and a level of remote working is possible. We hold regular team days, allowing us all to get together creatively to explore new opportunities.

Progressive Energy originated the [HyNet North West](#) project and continues to play an active role in most aspects of ongoing project development, including our interest in Vertex Hydrogen. We are also working on earlier stage industrial ‘cluster’ projects beyond the North West Region.

We are working in partnership with Statkraft and Foresight Group to develop and deploy significant electrolytic (or ‘green’) hydrogen production across the North West of England and North Wales (and potentially the wider UK). We already have 100MW under development across six live projects, which are at various stages of development and are seeking to expand this portfolio. One of these projects has been selected for shortlisting by DESNZ and will be ready to take FID by Q1 2024.

The role

We are looking for a Senior Project Engineer to provide support across our portfolio of green hydrogen projects.

These projects will be a first of their kind within the UK and the Senior Project Engineer will be required to both apply existing knowledge from previous experience as well as creative thinking where existing solutions do not exist. Given the nature of the role, candidates from a broad background of engineering disciplines will be considered, as specialist support is provided by third-party consultants and sub-contractors. The role would be an excellent development opportunity for an engineer with a good technical background who is looking to diversify their project development skill set with exposure to planning & consenting, permitting, contracts and project finance.

The Senior Project Engineer will report to, and be mentored by, the Head of Electrolytic & Industrial Hydrogen. This is an opportunity to play a pivotal role in developing a range of innovative projects which deliver meaningful industrial decarbonisation.

The key elements of the role include:



- Leading or providing support to the engineering design of the electrolytic hydrogen projects during;
 - Feasibility
 - Pre-FEED
 - FEED
 - EPC and;
 - Operational project phases.
- Development of scope of works, procurement and management of sub-contractors.
- Establishment of procedures with sub-contractors for reporting, document control, quality assurance etc.
- Review of Engineering Deliverables from consultants and contractors.
- Management of project interfaces such as site hydrogen offtake battery limits and utilities integration.
- Working with industrial sites to examine the feasibility of hydrogen use at the site within combustion processes (boilers, furnaces etc).
- Developing models and completing engineering calculations as part of feasibility studies.
- Definition and resolution of problem statements via consultants, contractors and their own problem solving capabilities.
- Provision of support to the Commercial Manager and Project Manager(s) in the development of project agreements, planning and permit applications and Government due diligence through the provision of technical data and information.
- Working with the Project Manager(s) to establish the project plan and assist with reporting against agreed plans.
- Helping to develop best practice within Progressive and facilitate knowledge sharing and lessons learned reporting.

Your skills and experience

We are seeking a candidate that has the majority of the following:

- A passion for energy and climate change
- A Masters Degree in a relevant engineering discipline.
- 3+ years prior experience in a technical role in the energy market in the UK with a preference for an individual with a broad engineering understanding across the technical disciplines.
- Design, operational or manufacturing experience within a multi-discipline team.
- Understanding of and exposure to the development process behind energy infrastructure, with specific experience of FEED and EPC project phases preferred.
- Excellent organizational, planning, written and oral communication skills
- Strong attention to detail
- Self-starter with the ability to work independently and to multi-task
- Highly driven – able to see projects through to successful conclusion



- Positive attitude and creative work ethic required to deliver first-of-a-kind projects
- Adaptable to change and flexible in approach
- Experience working with joint venture partners and the delivery of projects using both internal and third-party resources.

What we offer you

- An expected starting salary from £50,000 to potentially above £60,000 per annum depending on experience
- A personal retirement savings plan based on both NEST and private salary sacrifice schemes with employer contributions
- 25 days annual leave, plus bank holidays, pro-rata
- One free professional membership subscription
- Access to flexible benefits such as Share Incentive Plan, Cycle2Work and Electric Car Lease Scheme
- Flexible working time arrangements through hybrid working

Ideally, we would like the successful applicant to be based 'within range' of our Gloucestershire office to enable attendance at least once a week, but we are also willing to consider those from further afield, including those relatively close to our Cheshire office. However, other geographies are considered, as some travel to partner locations around the UK will also be required.

Whilst we would prefer for applicants to work full time, we are happy to consider applications for candidates wishing to work part-time (min 4 days).

Equal Opportunities

We value diversity and therefore welcome all applications, irrespective of gender, disability, nationality, ethnic and social background, religion and beliefs, age or sexual orientation and identity.

How to apply

Please send CVs by email to jobs@progressive-energy.com along with a brief cover letter describing why you are suitable for the role.

Deadline for applications – May 19th 2023.