

Job Profile

Senior Engineer – Carbon Capture Technologies

Based from Stockport

Who are we?

Fichtner Consulting Engineers Ltd is a leading technical consultancy with a reputation built on over 30 years of successful projects in the UK and Ireland. Our purpose is to facilitate the investment and delivery of energy infrastructure projects that positively influence the energy transition. Our success comes from the unique combination of skills and experience that continuously evolves. Our Engineers and Consultants support some of the most innovative energy projects across the UK and Ireland; providing design, intellectual, and engineering services to developers, investors, and owner-operators.

We have over 175 employees that we are proud to have represent us, operating from our offices in Manchester, Belfast, Dublin, and Glasgow. As the business grows from strength to strength, we are now looking to further extend our team by recruiting an experienced Senior Consultant, to be based from our Stockport office with some travel in the UK, Ireland, and EU.

What are we looking for?

- A good degree in Chemical Engineering (or equivalent field)
- Ideally a Chartered Engineer
- Experience gained from an OEM, EPC, process manufacturing or engineering consultancy environment
- Extensive experience of working in one or more of the following industries, e.g., oil and gas, industrial gases, or chemicals
- Experience with process plant concept design development, pre-FEED and FEED studies, and detailed process plant system design
- A good working knowledge of one or more of the following technologies:
 - **CO₂ capture and storage**
 - **Oil or gas refining; or**
 - **Cryogenic energy storage processes**
- Prior experience of process simulation using HYSYS, Aspen Plus, OGT Protreat or similar
- Detailed working knowledge of industrial process components such as pumps, valves, fans, packed columns, pipework, compressors, heat exchangers, tanks, pressure vessels and instruments etc.
- Knowledge of applicable standards and best industry practice for equipment and material selection for amin and hydrogen applications
- Ability to prepare and review typical process plant documentation, i.e., heat & mass balances, PFDs, P&IDs, basis of design documents, process calculations, functional descriptions, data sheets and cause/effect charts
- Good understanding of the principles of process plant layout with a working knowledge of pipework routing and arrangement
- Working knowledge of quality control systems applicable to process plant design, manufacturing, and construction
- Good understanding of process safety principles
- Prepare job plans, write client proposal documents, estimate manhour requirements, and fee estimates
- Have full right to work in the UK
- The ability and willingness to travel both in the UK and occasionally overseas

What you can expect from us:

At Fichtner we greatly value our employees and offer a flexible approach to the working environment. We have a team of mental health first aiders and wellbeing champions on hand for support and provide the opportunity for our staff to give back to our local community, through charitable events, STEM, and community work experience. We operate with the mantra that we all look out for each other, making sure we continually review our working practices to create the best experience for all. As part of the team, you can expect:

- A competitive salary with a leading bonus scheme of up to 20% of salary
- Hybrid working with modern easy access offices
- Opportunity to purchase company shares after a qualifying period
- Significant training, development, and career growth opportunities
- Financial support with professional fees/memberships
- Company electrical vehicle car leasing scheme
- Private medical & life assurance
- Cycle to work scheme
- Fitness trainer provided every week for group boot camps
- Team and company social events, including a family barbecue, Christmas Party, and team activities
- Milestone scheme celebrating years spent as part of the Fichtner team!

If you are interested in applying for this role, please email recruitment@fichtner.co.uk with your CV and a brief cover letter to introduce yourself and let us know why you are a good fit for us.

When sending over your CV, please take a moment to review our [privacy statement](#) regarding how we process your personal data within our recruitment process.

Fichtner Consulting Engineers is committed to eliminating discrimination and encouraging diversity amongst our workforce. Our aim is that our workforce will be truly representative of all sections of society and that each employee feels respected and able to give of their best every day.