

Senior Process Development Engineer

£40,000 - £50,000 per annum

Lancaster

About Stopford

We are a multi-disciplinary technology and engineering company who solve global sustainability problems. We are a diverse group of engineers, technologists, and consultants, united by a shared desire to drive sustainability through innovation. We work with clients and collaborators on everything from fuel switching to fertilisers, delivering tangible impact by tackling major environmental and social challenges. Our work ranges from cutting-edge in-house R&D to first-class, professional services – spanning front-end design to plant commissioning and compliance.

If you have a passion for disruptive technology and an ambition to address global challenges, we want to hear from you. Take a look at our website and get in touch.

The Opportunity

Plasmergy, developed by Stopford, is a novel energy from waste process technology that provides an economic, sustainable and socially acceptable alternative to incineration. Tested and proven at laboratory scale, Plasmergy is commencing scale-up and demonstration to further validate its application across intended markets, ahead of global commercialisation.

Stopford is therefore seeking an experienced Senior Process Development Engineer to lead the scale-up and technical development of Plasmergy, supported by a multidisciplinary team. The appointee will join Stopford's Technology & Innovation Service Group on a full-time, permanent basis to oversee the development of Stopford's Plasmergy technology and will support existing activity and emerging projects.

About You

- Highly experienced Process Engineer with a proven track in the technical development, scale-up, commissioning of process plant (essential)
- Hands-on approach to engineering and technology trials within a research environment (essential)
- Strong troubleshooting and problem-solving acumen (essential)
- Experience in working in and managing multi-discipline teams (essential)
- Excellent communication, management and interpersonal skills (essential)
- Expertise with MS Project, or equivalent project management software, to plan and monitor progress and project resourcing (desirable)
- Passionate about sustainability, with demonstrable experience in the Circular Economy and/or Low Carbon Sectors (desirable)
- Experience with gasification systems (desirable)

We would encourage you to visit our website to learn more about this innovative technology.

The Company

Employment at Stopford brings many benefits including:

- Competitive salary
- Profit related bonus scheme
- Hybrid working opportunities
- Pension
- 25 days holiday plus bank holidays
- Private medical insurance
- Employee assistance programme
- Free on-site parking
- Reimbursement of professional membership fees

A full UK driving licence is essential for this position.

Please go to our website for a full job description to familiarise yourself with all of the responsibilities, skills and experience required before you apply for the position.

Please note that we do not accept applications from agencies, and you must be eligible to live and work in the UK.

Please send your CV and cover letter for the role of Senior Process Development Engineer to careers@stopford.co.uk.

Closing date: 7 August 2022

Stopford reserves the right to bring forward the closing date and we recommend that you apply as soon as possible.

Please note that due to the volume of applications we receive we are unfortunately not able to respond to each applicant. If you have not been called for interview within 3 weeks of the closing date, you should assume that on this occasion your application has been unsuccessful.

Job Description

Position: Senior Process Development Engineer
Group: Technology & Innovation
Location: Lancaster or Knutsford (Cheshire)

Mission

Our ambition to lead the way in engineering a sustainable world through the transition to a low carbon economy.

Values

We value professionalism, equality, fairness, co-operation, and unrivalled expertise.

Description

As a Senior Process Development Engineer you will be responsible for the technical development and scale-up of Plasmergy, a novel Microwave Induced Plasma (MIP) Gasification process. Plasmergy provides an economically, environmentally and socially acceptable alternative to incineration. This position presents the successful candidate with a significant opportunity to play a critical role in the technical development, and onward commercialisation of this disruptive process technology.

Key Accountabilities/Responsibilities

- Lead and project manage the scale-up design, build and commissioning of Plasmergy test and demonstration facilities, supported by Stopford's multidisciplinary engineering team.
- Be a technical engineering lead for:
 - Process flow diagrams
 - Piping & Instrumentation Diagrams
 - Heat and mass balances
 - Process modelling and simulation (e.g. Aspen)
 - Process safety
- Hands-on engineering, technology trials within a research environment.
- Collaborate with Innovation Technologists, Scientists and Engineers with respect to plant operation, optimisation and generation of process performance data.
- Reporting of key process performance data pertinent to optimisation and commercialisation.
- Identify and support mitigation of technical risks in the scaled-up processes.
- Ensure that all activities are carried out in a safe and compliant manner.
- Develop strong relationships with key stakeholders and supply chain partners.
- Ensure a culture of continuous improvement, learning and self-development is proactively led and encouraged.
- Line manage junior members of the Technology & Innovation team focusing on both their short-term development goals (essential knowledge and skills) and the longer-term future career development of individuals.
- Support company-wide activities.

Minimum Requirements – Education and Experience

- A relevant engineering degree (e.g. Chemical or General) and proven experience (minimum 3-5 years) of working within an engineering team.
- Experience of technology transfer, process scale-up and project management.
- Experience in designing and/or operating demonstration/pilot scale process technology.
- Willingness to be hands-on with prototype development and design philosophy iteration
- Strong teamwork ethic and excellent communication skills with the ability to build and maintain strategic and collaborative working relationships across company service groups.
- Uncompromising attitude to working safely.
- Knowledge and experience of gasification and fuel cells is desirable.
- Enjoy working in a fast-paced innovation environment
- An ability to manage uncertainty and change.
- Working knowledge of Office 365 including One Drive and Sharepoint with proficient use of Word and Excel.
- Eligible to live and work in the UK.
- Full UK driving licence.

Company Wide Aspects

- Adhere to Stopford's Business Management System.
- Align with and promote Company Values and Vision.

Review

The above is not an exhaustive list of duties and you will be expected to perform different tasks as necessitated by your changing role within the organisation and the overall business objectives of the organisation.