

## **Development Engineer**

**£40,000 - £50,000 per annum**

**Knutsford, Cheshire or Lancaster**

If you have a passion to be involved in the development of disruptive technologies that seek to address global challenges, then there has never been a better time to join Stopford.

Stopford excels in process technology innovation, bringing world class science and technology together, to serve the requirements of the low-carbon and circular economy sectors. We are now looking to expand our team to support the development and scale-up of our inhouse technology – Plasmergy, a novel energy from waste process.

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

Stopford has a truly exciting opportunity for a Development Engineer to join the team on a full time permanent basis to play a critical role in the technical development of Plasmergy as we expand our operations in the UK and internationally.

### **The Position**

As a 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 of this disruptive process technology.

You will lead and project manage the scale-up design, build and commissioning of Plasmergy test and demonstration facilities supported by a multidisciplinary engineering team.

### **The Company**

Stopford is an international energy and environmental engineering company, our professional services span Consultancy, Technology & Innovation and Project Delivery. We are an industry leader with a portfolio spanning research and development through to design and commissioning of process, power, and renewables technology. With a worldwide clientele in emerging and existing industries, we provide a full range of project management and engineering services.

Your time will primarily be based at our office in Knutsford or our office at Lancaster with occasional visits to Client sites.

Employment at Stopford brings many benefits including:

- Competitive salary
- Pension
- 25 days holiday plus bank holidays
- Private medical insurance
- Employee assistance programme
- Free on-site parking
- Reimbursement of professional membership fees

In order to be successful in this position you must be familiar with scale-up of process technologies, alongside working within a dynamic and fast paced innovation environment. You must have an engineering degree (chemical or general) and be able to demonstrate experience of working with an engineering team.

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.

We look forward to receiving your CV for the role of Development Engineer.

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

**Closing date: 2 March 2022**

Stopford reserves the right to bring forward the closing date if we receive a suitable number of quality applications from which to make a shortlist. Therefore, we would 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:** Development Engineer (Plasmergy)

**Group:** Technology & Innovation

**Location:** Knutsford, Cheshire or Lancaster

### 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 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 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 a multidisciplinary engineering team
- Be a technical engineering resource and problem solver 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 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) or be able to demonstrate experience of working with an engineering team
- Experience of technology transfer, scale-up and project management
- Experience in designing and/or operating (pilot scale) chemical plants
- Willingness to be hands-on with prototype development and design philosophy iteration
- Excellent communication skills with the ability to build and maintain strategic and collaborative working relationships across company service groups
- Experience of maintaining auditable records
- Uncompromising attitude to working safely
- Knowledge and experience of gasification and fuel cells is desirable
- Strong teamwork ethic, with a willingness to share information freely
- Enjoy working in a fast-paced project environment
- Be able to demonstrate an ability to manage uncertainty and change
- Eligible to live and work in the UK
- Full UK driving licence.

### **Company Wide Aspects**

- Adhere to Stopford's Business Management System.

### **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.