

Job Description: Process Engineer / Process Chemist

Details of the role

Overview	<p>We are looking for an expert in the field of process engineering to join our growing Research and Development section at Levidian.</p> <p>The role will specifically focus on parametric studies, optimising and upscaling the current LOOP system that uses plasma technology to break down methane into hydrogen and carbon, which are then exported as hydrogen gas and high-quality graphene.</p>
Accountabilities	<p>Delivering production research and development projects: Supporting the delivery of all research projects associated with the development of Levidian patented plasma technology.</p> <p>Research strategy: Focusing on research and development activity to assist the scale up and optimisation of parameters in terms of yield and efficiency of the Levidian LOOP system.</p> <p>Thought leadership: Representing Levidian and keeping our technology market leading</p> <p>Quality standards: Ensure that processes follow company ISO and HSEQ standards and contribute to their continuous improvement.</p> <p>Team values: Contribute to the Levidian Team</p> <ul style="list-style-type: none"> ▪ Team cohesiveness, support, motivation, and confidence ▪ Contribution to broader Levidian team <p>Key relationships:</p> <ul style="list-style-type: none"> ▪ Operations: The R&D Team works directly with the Engineering Team
Location and travel requirements	<p>This role is primarily based in our Cambridge, UK office. While you will need to be on site, we have a very flexible approach and understand that you might have responsibilities outside of work – let us know how we can accommodate your needs. Some travel is expected to customer and/or research partner locations, with limited international travel anticipated.</p>

Details of the successful candidate

Overview	<p>The successful candidate will have a strong background in process engineering for plasma technology with a specific emphasis on plasma chemistry, stoichiometry, kinetics, and thermodynamics.</p>
Experience	<ul style="list-style-type: none"> ▪ Working within an R&D environment ▪ Chemical/materials laboratory procedures, standards, and safety requirements ▪ Excellent analytical and maths skills ▪ Ability to persuade others to change existing practices ▪ Strong attention to detail ▪ Proven ability to identify, assess, and solve problems ▪ Proficient with computer and information technology ▪ Knowledge of process engineering software systems ▪ Familiarity with applicable health and safety regulations

Leadership style	<ul style="list-style-type: none"> ▪ Flexible: To deal with the changes required in a scale up business ▪ Pragmatic: To be able to translate strategy and plans into tangible projects and progress on the ground ▪ Collaborative: To allow good working relationships with external parties and internal support teams
Education and Qualifications	Master’s level degree in Process Engineering

Background on Levidian

Our purpose	We believe in a materially better future – one that ends the choice between growth and sustainability. Our aim is the global enablement of innovation and growth through the production and supply of quality, reliable, carbon negative graphene and hydrogen.
Overview of our business	<p>The Levidian process achieves this by:</p> <ul style="list-style-type: none"> ▪ Producing the highest quality graphene. Our graphene is consistently excellent and can be used to remove the carbon requirement from a range of applications from transport to manufacturing. ▪ Removing waste gas (methane) from the atmosphere: Our process of graphene production uses waste gas as an input – therefore locking the carbon in waste gas into our graphene and out of our atmosphere. ▪ Producing clean fuel in the form of hydrogen: Our process converts waste gas into graphene and hydrogen – this hydrogen is used to produce zero carbon energy <p>The unique and patented Levidian technology developed in our Cambridge HQ has been operating since 2013. Now with significant new investment and surging demand for each of our products we are investing for rapid growth.</p>
Our team and our culture	<p>Our team are:</p> <ul style="list-style-type: none"> ▪ Science led: We put scientific research and our belief in its ability to solve problems at the heart of our growth. ▪ Innovative: We apply our imagination and creativity to delivering results which reflect our commitment to sustainability and environmental excellence. ▪ Smart: We take a focused approach which allows us to be responsive and practical as we find solutions to real world challenges. ▪ Collaborative: We believe our impact will be felt most effectively when we collaborate and work well with others – our teams and our global partners.

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