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Process Optimisation Chemist/Engineer

Reporting to: Industrialisation and Technology Transfer Manager

Department: Operations | Location: Sheffield/Oxford



Faradion Limited is a leader in the development and commercialisation of next generation environmentally sustainable rechargeable batteries. It has established research and development facilities at two UK sites, Oxford and Sheffield, has a growing IP portfolio and a committed team of scientists and engineers.

At Faradion we build the right teams in the right way. We're a bold decision-making team who want to be the best at what we do, who are committed to excellence and helping our people grow by creating specialised, focused and hardworking teams. Teams who apply critical thinking, and who are always striving to achieve excellence in the work they deliver. We look for entrepreneurial thinkers and doers. Innovative, collaborative and motivated people who are excited by our technology, and proud of the difference they can make.

About the Role

The Process optimisation Chemist / Engineer is a key position for our Na-ion technology to be realised at scale. Our ability to build capability, understand scaling factors and predict failure modes is essential for driving full scale manufacturing realisation.

The role will drive pilot scale trials, covering the key processes, required for our Na ion technology, for existing and new materials. Working within a global industrialisation team, the data generated from trials is essential for creating a full technical transfer package for expansion of manufacturing assets.

You will be responsible for organising, designing, and executing trials, to develop key understanding of the way materials interact with the process. Documenting, presenting and communicating the results to appropriate stakeholders is imperative.

You will have:

- Either a Bachelor of Engineer or Bachelor of Science degree.
- Demonstratable experience of executing material trials related to chemical processing.



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- Understanding manufacturing processes e.g., Slurry processing, spray drying, calcination.
- Experience of developing scaling factors, identifying risks in scaling and designing mitigations methods.
- Previous exposure to quality processes e.g. PFMEA.
- Understanding of hazardous substance handling within a chemical environment.

You will be:

- Responsible for running material trials which enhance our material and process understanding.
- Expected to document results and work in collaboration with the R&D team to review data.
- Able to develop scaling parameters between lab, and pilot scale and working with the wider Industrialisation team to complete the scaling data.
- Expect to interface with the global industrialisation team within Faradion, and in our parent company, to establish gaps in our understanding and proposing solutions e.g. further trials
- Responsible for Ensuring material development runs capture sufficient scaling data for transfer to India operations – driving certainty for success
- Expected to support establishing Faradion as a centre of excellence for Na-ion battery technology.
- Expected to travel internationally and between company sites (Sheffield/Oxford, Mumbai/Jamnagar in India) on a regular basis.

What's in it for you...

At Faradion, we're passionate about creating a forward-thinking, dynamic work environment. Our employees are our greatest asset, and we're dedicated to fostering an atmosphere that is not only rewarding and stimulating but also enjoyable.

Beyond the fulfilment of contributing to critical projects that make a tangible impact on the world, we provide a host of benefits designed to complement your professional journey with us:

- Competitive salaries
- Market leading Salary Exchange Pension (up to 10% Faradion contribution from a 5% contribution from you)
- Group Life Assurance (5 X basic annual salary)
- Income Protection Insurance
- Generous annual leave allowance (25 days holiday, plus 8 days bank holidays)
- Healthy extras – a comprehensive employee assistance programme
- Annual leave buying and selling scheme
- Birthday leave
- Free fresh fruit



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- Incredible opportunities for development and career growth
- Eye care vouchers
- Exclusive discounts with leading retailers
- Employee social events
- Wellbeing ambassadors
- Casual dress

In line with our company values, we are looking for someone who:

- Demands the highest levels of safety, has a 'safety first' approach, through passion and pride and always challenges the status quo (Safety & Wellbeing for all)
- Has a responsive, 'can do' attitude. Someone who is flexible, co-operative and has an enthusiastic attitude to work. We're candid in calling out actions that work against our values and culture (Commitment)
- Will challenge the norm to make a difference. Be passionately curious and thrive on change and continuous improvement. Be an independent thinker and take ownership for their own development, capacity to grow and knows no boundaries (Innovation)
- Can work collaboratively and inclusively, acting with integrity and takes responsibility for past actions, admit mistakes and will work to fix them. (Collaboration)
- Always acts responsibly and with integrity, treat others well, trusts and can be trusted, is candid and honest (Integrity)
- Applies critical thinking, and who are always striving to achieve excellence in the work they deliver (Excellence)

Join us at Faradion, where your work has meaning, your contributions are valued, and your career aspirations are nurtured.

For further details, please visit www.faradion.co.uk and navigate to our current vacancies via the Careers page.

We have ambitious plans. If this opportunity is not quite right but you are interested in a career with us, please contact careers@faradion.co.uk | We are an Equal Opportunities Employer | We have a Covid-Secure Workplace.

Faradion, The Innovation Centre, 217 Portobello, Sheffield, S1 4DP

Faradion, Centre for Innovation & Enterprise, Oxford University Begbroke Science Park, Begbroke Hill, Woodstock Road, Begbroke, Oxfordshire, OX5 1PF



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