



Senior Battery Engineer (Systems)

Reporting to: Systems Engineering Team Leader

Department: Products & Applications | Location: Oxford

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

Here at Faradion we have an exciting opportunity in our rapidly expanding Products & Applications Team for a Senior Battery Engineer. You will technically lead projects, inspiring others in your team, and be responsible for systems engineering of BESS (Battery Energy Storage Systems) and a wider range of applications in the future.

You will have:

- A bachelor's degree or above in Electrical / Electronic / Systems Engineering or similar degree.
- A good understanding of Battery technologies and experience of technically leading projects.
- Have broad, practical engineering skills and an analytical, methodical approach to problem-solving, fault-finding, calibration and testing.
- Proficiency in programming using Python or other similar languages or software tools.
- Knowledge and experience of EMC/EMI design considerations.
- Experience creating high quality documentation and processes.
- Experience reporting progress in regular updates to your line manager and the Project Management team, and comfortable presenting to the senior management team as required.
- Knowledge of battery certification and standards.
- Preferably experience with hazardous / high voltage battery systems.



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- Chartered Engineer status or working to achieve.

You will be:

- Technically lead projects in the Products and Applications team, including design reviews.
- Manage your own activities and technically managing other engineers on your project/s in relation to milestones and deliverables agreed with the Project Management team.
- Drive the technical direction of your assigned area/s and leading and inspiring team members accordingly.
- Be responsible for the architectural and systems design of battery products, agreeing systems requirements and ensuring their delivery.
- Support the development of systems test specifications and procedures.
- Select key components such as Battery Management Systems.
- Analyse and create data for battery development including physical data, simulations and theoretical models.
- Undertake activities related to battery algorithm development (I.e. SoX).
- Perform New Product Introduction activities for the successful handover to production and support.
- Conduct RCA activity using appropriate method to resolve component or system level.
- Support FMEA, Functional Safety and other product risk assessment activities.
- Be committed to working in a safe and conscientious matter.
- Ensure successful collaborations with engineering partners.
- Travel internationally occasionally.

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



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- Birthday leave
- Free fresh fruit
- 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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