



made to
change
the world



Senior Battery Engineer (Mechanical)

Reporting to: Mechanical 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 be responsible for the mechanical engineering development of battery modules and systems initially for BESS (Battery Energy Storage Systems) but growing to a wider range of applications.

You will have:

- A bachelor's degree or above in Mechanical Engineering or similar degree.
- A proven track-record of battery development.
- Experience in battery design including safety, thermal management, mechanical, structural and sealing.
- Experience of assembling and testing prototype batteries in a commercial or academic setting.
- Experience with CAD software and FEA for thermal and structural analysis.
- Chartered Engineer status or working to achieve.
- The ability to prepare technical reports for dissemination throughout the company, making recommendations for technical progression.
- 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.
- Preferably experience with hazardous / high voltage battery system design.



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You will be:

- Technically lead projects in the Products and Application team.
- Design the mechanical aspects of battery modules and systems, considering all relevant aspects of the products including safety and thermal management.
- 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.
- Analyse and create data for battery development including physical data, simulations and theoretical models.
- 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
- 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