

Mechanical Engineer

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Company: Belcan

Location: Coventry

Category: architecture-and-engineering

Mechanical Engineer

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Contract details: 6 months (inside IR35), full time onsite

Competitive hourly rate

The Opportunity

Belcan Workforce Solutions are working with a pioneering national facility in Coventry dedicated to battery manufacturing to find a Mechanical Engineer to join their team. Our client serves as a critical link between battery technology development and successful mass production.

Working in their impressive 18,500 square meters facility, you will have the exciting opportunity to support the UK's transition to a greener future by developing innovative battery technology.

The Role

As a Mechanical Engineer you will be working alongside a small but growing team of experienced engineers in New Product Development and Industrialisation of batteries and

battery cells. Reporting to the Lead Mechanical Engineer, you will support the creation of in-house products and the development of customer proposals.

You will be responsible for ensuring the product can be successfully manufactured and assembled, that the product is safe, and that it satisfies the design requirements defined by the customer.

Key Responsibilities

Mechanical Engineering Design: You will be responsible for creating innovative mechanical designs for battery cells, modules, and packs using PTC Creo. Collaborating with cross-functional teams, you'll ensure that the designs meet performance, safety, and manufacturability requirements.

Engineering Documentation: You'll create and review engineering drawings according to BS/ISO8888 and ISO9001 standards. Managing the release and change of technical documentation using established processes will be part of your role.

Design for Manufacture and Assembly (DFM/DFA): Evaluating designs for ease of manufacturing and assembly, you'll optimize them to minimize production costs.

Design Reviews and Stakeholder Engagement: Leading and participating in design reviews with internal and external stakeholders, you'll collaborate to ensure alignment on project goals.

Product Validation and Testing: Supporting product validation testing and creating engineering reports, you'll analyse test data and propose design changes as needed.

Risk Assessment and FMEA: Providing technical input for Design Failure Mode and Effects Analysis (DFMEA) and Process FMEA (PFMEA), you'll mitigate risks related to mechanical design and manufacturing processes.

About You

You should have completed a Masters Degree in Mechanical Engineering with a minimum of a 2:1 awards and be able to demonstrate strong knowledge of engineering materials and first principles such as heat transfer, thermodynamics, and stress analysis. A working knowledge of 3D CAD systems (PTC Creo preferred), and PLM systems (PTC Windchill preferred) is essential, however training on the specific systems will be provided. Additionally, you should have first hand experience of working alongside manufacturing operations in an automated assembly environment.

If you are interested in this role, apply now and a member of our Recruitment team will be in touch within 2 working days.

This vacancy is being advertised by Belcan

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