

Mechanical/Manufacturing Design Engineering Internship

- CellPod Tooling Design & Optimisation

Cognition Energy is an innovative and disruptive engineering start-up that uses science informed approach to develop to deliver high performance battery products and services. At Cognition we develop unique battery test equipment - CellPods - and carry out contract testing for external clients. Cognition's long term goal is to help the world switch to a 100% renewable future!

This is an exciting opportunity for an engineering student to have total design freedom on optimising the production of our unique battery cell test system, CellPods. You will, under the guidance of our multidisciplinary engineering team, create tooling, fixtures and jigs that will revolutionise the way we build at Cognition. The ideal candidate will be able to work autonomously in a fast paced environment. Have a strong work ethic and operate well under pressure.

What you'll have:

- A Bachelor's in a relevant engineering degree or be partially through one
 - Ideally working towards a Masters in mechanical or manufacturing engineering
- Strong computer aided design and analysis (preferably Solidworks)
- The ability to pick up new skills quickly and communicate well within the team

What you'll do:

The Problem

Cognition Energy's CellPods are an extremely innovative solution to traditional battery cell testing. This has meant that demand for the CellPods is great and only increasing. While our production line is operational and delivering to customers, there is always room for optimisations and improvements.

The Task

Spend time on our production line and design ergonomic, job specific tooling for processes where you have identified any pain points. There is also the opportunity to take some of our manual processes and streamline them. You will be designing elegant and user friendly

solutions for our production team, that will hopefully lead to an increase in our production capability.

Your day to day:

- Work with our production team to identify bottlenecks and pinch points
- Design, prototype and test your ideas to optimise the production of CellPods
- Create and manage your own project timelines for your designs to be manufactured
- Identify any changes that can be made to the product to optimise future versions for DFMA
- Solve any production issues with innovative engineered solutions to reduce any down time

What you'll get:

- To join a team of motivated engineers, in a great work environment
- Salary of £25,000 pro rata, equivalent to £12/hr
- Friday BBQ's & team lunches
- The opportunity to make a lasting impact
 - Potentially receive a permanent job offer upon completion of your degree or in the future

Location:

Cognition's office and labs are based in a beautiful countryside setting, with free parking, just outside Didcot, Oxfordshire. Local amenities include local shops, a pub and easy access to the A34.

Additional Information

- 2 months, fixed term contract as a Faraday Institution sponsored FUSE intern, with the option to extend to 3 months.
 - Monday - Friday on site work
 - 9am - 5pm or 8am - 4pm (flexible)
 - 40hrs per week (including lunch & breaks)
- Visa sponsorship **not** available
- To apply please email your CV & Cover Letter to jobs@cognitionenergy.uk
- Applications deadline is: 06 May 2022

- Company Website: <https://cognition.energy/>