



Graduate Engineers

Salary: £30k/yr

Location: Croydon

Duration: Permanent

Start: Now or after graduation

The Company

Dearman is a global technology company delivering clean 'cold and power'.

Dearman's cutting-edge technology uniquely harnesses liquid air or nitrogen to deliver zero emissions power and cooling. The company is developing a portfolio of proprietary technologies, products and services, which deliver significant reductions in operating cost, fuel usage and emissions, at low capital cost. The first application of Dearman technology, to provide sustainable and efficient transport refrigeration, is currently undergoing trials.

The company is building an international reputation for innovation, rigour, commercial acumen and engineering excellence, all to fulfil its primary objective - to make the world a cleaner, cooler place.

Job Summary

We are seeking one or more graduate engineers to work on a range of design, development and manufacturing engineering projects covering the Dearman engine, its cryogenic fuel system, and its application to a number of uses. Working as part of a team, you will have the opportunity to assume responsibility as soon as you are ready for it, with a career path through leadership of a workstream or project.

Responsibilities:

- Design, Development and Industrialisation of the Dearman Engine, on-board cryogenic systems, refrigeration and power generation plant, to specified targets for performance, cost and durability, working to safe operating and maintenance procedures
- Delivery to timing, quality and safety standards
- Working with suppliers and collaborating partners
- Task and workstream-level planning and forecasting

Person Specification

We are seeking graduate or PhD candidates with a suitable engineering qualification and interest in relevant topics such as thermodynamics, engines, industrial cryo-systems, hydraulic systems, automotive, aerospace or process industry thermo-fluids. While a mix of design and development skills are useful, we would consider candidates specialising in either.

Evidence of the following skills or knowledge would be beneficial:



- Degree level qualification in engineering (electrical, mechanical, automotive or aerospace)
- Relevant experience of engines, cryogenics, pressure fluid systems and thermo-fluids
- Relevant experience in innovative design and development environments
- While not essential, experience of the following may be of benefit:
 - Internal combustion, Rankine-cycle or other forms of heat engine
 - Hydraulic and electric power systems
 - Control systems
 - SolidWorks design suite

Other information

The job will be located primarily in Croydon, with regular travel to meetings with partners, customers and suppliers in the UK and overseas.

Application deadline: Open until further notice

Please note, we will take all relevant experience into account when considering your application. To apply for this position, please submit a CV and cover letter addressing how you meet the criteria set out in the person specification to careers@dearman.co.uk. We may appoint before the deadline.