



## Cryogenic Fuel Systems Engineer

**Salary:** £30-£40k p.a. depending on experience

**Location:** Croydon

**Duration:** Permanent

**Start:** ASAP - 2 months

### 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

On-vehicle cryogenic fuel systems include a highly insulated tank, a high pressure fuel pump, and associated safety and fuel delivery systems. As we move towards production, we have a need to expand the group that is delivering these systems at prototype and industrialised level. Reporting to the Section Head or Project Engineer, you will have responsibility for design and/or development of a specific cryogenic fuel sub-system, including working with partners and suppliers. For longer term career development, increasing responsibility for this or other parts of the Dearman system are options open to you.

### Responsibilities:

- Design and Development of on-board cryogenic sub-systems (tanks, pumps, interconnection and safety systems) 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 candidates from graduate to 5 years of suitable engineering background, which could include industrial cryo-systems or other relevant sector such as hydraulic systems, automotive, aerospace or process industry thermofluids. 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 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: 7<sup>th</sup> April 2017**

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](mailto:careers@dearman.co.uk). We may appoint before the deadline.