



PRESS RELEASE

Date: 10th February 2017

Croydon-based clean tech company set to double size of research and development centre

Dearman, the clean cold technology company, has announced today that it will double the size of its technology centre ahead of further trials of their ground-breaking engine powered by liquid nitrogen.

The Dearman Engine is zero emission, emitting no nitrogen oxide (NOx) or particulate matter (PM), and delivering significant carbon dioxide savings compared to diesel.

The first application of the technology is a zero-emission alternative to diesel powered transport refrigeration units (TRUs). The Dearman transport refrigeration system is currently undergoing advanced road trials with Sainsbury's, and further international trials are set to begin later this year.

The planned expansion, which will more than double the size of the Dearman Technology Centre, will allow the company to assemble an increasing number of engines and refrigeration systems to support this expanded trial programme. It will also enable the company to integrate its technology onto vehicles and conduct whole system testing on site.

The extended facility will also provide more space to house Dearman's advanced technology programme, which is developing further applications of the Dearman Engine for use in transport, logistics and the built environment.

Commenting, Dearman's Operations Director Simon Mansfield said:

"As UK engineering and technical expertise leads the Government's new Industrial Strategy, Dearman is at the forefront of innovative clean tech start-ups. Our technology can deliver operators cost savings but just as importantly it will have a huge impact on air pollution and climate change. There is already extensive interest in our technology from UK and international operators and this expansion will allow us to not only meet that demand but continue to innovate and deliver new high performance, zero emission products."

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For further information please contact:

- Mo Saqib (Policy & Communications Officer, Dearman Engine Company)
- T: +44 (0)203 829 0035, E: mo.saqib@dearman.co.uk

Notes to Editors

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

- Dearman's cutting-edge technology uniquely harnesses liquid air to deliver zero-emission power and cooling. It is developing a portfolio of proprietary technologies, products and services, which deliver significant reductions in fuel usage and emissions, at low capital cost.
- The first application of Dearman technology is a zero-emission transport refrigeration system, an alternative to traditional diesel units. It has the capacity to have a significant impact on air quality and CO2 emissions, while providing industry leading performance, but without adding significant cost.
- The Dearman Engine is the basis for a suite of zero-emission power and cooling technologies being developed by the company, which have applications across transport and the built environment. Dearman has received significant inward investment, and the company is growing rapidly, with more than 70 employees. 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.

Dearman Technology Centre
Unit 5, Stafford Cross Business Park, Stafford Road, Croydon, CR0 4TU.
Registered company no: 07475596