



Press release

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Dearman and Hubbard Products form technology partnership

Dearman, the clean cold technology company, has formed a technology partnership with Hubbard Products, Europe's leading designer, manufacturer and supplier of commercial cooling equipment. The partnership will see both companies work together to further develop and bring to market a highly efficient and cost-effective zero-emission transport refrigeration system based around the revolutionary Dearman engine.

Dearman and Hubbard have worked together for a number of years and are both members of an Innovate UK funded consortium to develop zero-emission auxiliary power units for buses and HGVs.

This agreement cements their relationship and confirms that both companies will work together, not only to continue to develop technology, but also to bring it to market in multiple countries.

Discussing the agreement, Pat Maughan, Managing Director of Hubbard Products said: "Revolution is crucial for the future of Transport Refrigeration, for a long while the refrigeration industry has relied on improving old technologies. We believe that approach is a compromise too far and is now irrelevant to the needs of the future. The fresh thinking that Dearman has brought to the table has been revelatory. New ideas create huge opportunities, and the Dearman Hubbard partnership is a chance to create a cost-effective, cleaner and more sustainable environment."

Toby Peters, Chief Executive of Dearman added: "Dearman is committed to developing technology which has maximum impact - saving operators money, delivering industry leading performance and crucially helping the environment. This partnership is vital to us as we strive to achieve that goal. Hubbard Products are world-leading experts in their field, they are renowned for innovation and they have an unbeatable knowledge of customer needs. Together, we will develop a game changing transport refrigeration system that is zero emission, performs better, is quieter and cheaper to run."



Dearman technology is based around the cutting-edge Dearman engine that uniquely harnesses the properties of liquid air or liquid nitrogen to produce clean, zero-emission, cold and power.

The Dearman-powered Hubbard transport refrigeration system will build upon on-vehicle trials already conducted by Dearman and extensive lab testing. Commercial trials of the system will begin in the UK later this year, with extended international trials to begin in 2016.

The system is highly efficient, offering both operational performance benefits, including a rapid pull down, and providing significant savings for operators.

Crucially, it is also zero emission, eliminating all of the PM and NO_x emissions associated with diesel. This is a significant improvement, as existing transport refrigeration units can be up to 29 times more polluting than much larger Euro VI diesel engines.

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Dearman

Dearman is a global 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 operating cost, fuel usage and emissions, at low capital cost.

The first application of Dearman technology, to provide sustainable and efficient zero-emission transport refrigeration. This will be in commercial trials later in 2015, ahead of multi-country trials in 2016.

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.



Hubbard Products Ltd.

Hubbard Products Ltd., is one of the UK's leading designers, manufacturers and suppliers of commercial cooling equipment and has earned an enviable global reputation for innovation and design-led excellence.

Hubbard Products has an enviable global reputation for innovation and excellence in refrigeration design, refrigeration engineering and refrigeration solutions for static and transport refrigeration requirements.