

# PRESS RELEASE



**Ricardo plc**  
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## **Ricardo and Clean Air Power sign cooperation agreement**

**Agreement will see the two companies cooperate on the development of dual fuel engine business, bringing Ricardo's system integration expertise together with Clean Air Power's dual fuel capabilities**

Ricardo together with Clean Air Power (CAP), a global leader in dual-fuel technology, announced today that they have entered into an agreement for the development of the dual fuel engine business. This agreement serves to strengthen the offering to clients of both companies, by bringing together Ricardo's system integration expertise with CAP's dual-fuel technology of compression ignited diesel engines that use natural gas with diesel pilot ignition.

"Natural gas in a dual fuel application offers both fuel economy and cost savings to the large and heavy duty engine industry," Tom Apostolos, president of Ricardo's US business Ricardo, Inc., stated. "This agreement will help our global clients to achieve those savings more quickly, with reduced development time and robust system integration. We are pleased to be working with CAP as a system integrator for their patented dual-fuel technology."

CAP's dual-fuel system enables heavy duty vehicles to operate primarily on natural gas, with diesel fuel acting as a 'liquid spark plug'. The diesel engine is basically unchanged, and retains its high performance and high efficiency 4-stroke diesel cycle. If the natural gas runs out, the system changes seamlessly to operate on 100 percent diesel, providing complete diesel operational backup. As system integrator, Ricardo



will use its full vehicle knowledge, engine design and controls experience and system modelling capabilities to ensure that CAP's dual fuel system meets the fit, form and function requirements of the complete vehicle.

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John Pettitt, chief executive of Clean Air Power, said “Ricardo is a world renowned engineering company and this co-operation agreement offers further validation of the quality and reliability of our Dual Fuel technology. Our clear medium term strategy is to develop further OEM relationships and through this agreement we have access to the resources and engineering expertise needed to develop additional new OEM products, based on our Dual-Fuel technology, to meet the growing interest in natural gas vehicles amongst manufacturers. Ricardo is a truly global company and we hope that this agreement will place our Dual-Fuel system at the forefront of the worldwide trend towards the adoption of natural gas as a road fuel.”

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## NOTES TO EDITORS:

**Ricardo plc** is a global, world-class, multi-industry consultancy for engineering, technology, project innovation and strategy. With almost a century of delivering value, we employ over 2300 professional engineers, consultants and staff. Our people are committed to providing outstanding value through quality engineering solutions focused on high efficiency, low emission, class-leading product innovation and robust strategic implementation. Our client list includes the world's major transportation original equipment manufacturers, supply chain organizations, energy companies, financial institutions & governments. Guided by our corporate values of respect, integrity, creativity & innovation and passion, we enable our customers to achieve sustainable growth and commercial success. Ricardo's U.S. operation, Ricardo, Inc., is headquartered in Van Buren Township, Michigan. For more information, visit [www.ricardo.com](http://www.ricardo.com).

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