

PRESS RELEASE



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Ricardo plc
Shoreham Technical Centre,
Old Shoreham Road,
Shoreham-by-Sea,
West Sussex,
BN43 5FG, UK

Ricardo to assist China's Lifan with downsized 3-cylinder TGDI engine

Ricardo and Chongqing Lifan Automobile Engine Co. Ltd (Lifan) have today announced that they have signed a contract that will see the two companies work together in the development of a new 1.0 litre 3-cylinder Turbocharged Gasoline Direct Injection (TGDI) engine

The contract signing ceremony was held at the Lifan Industry (group) Co. Ltd in Chongqing. Under the terms of the deal, Ricardo engineers based both at Ricardo Shanghai as well as at the company's UK technical centres, will work with their counterparts at Lifan to develop the new 1.0 litre 3-cylinder TGDI engine. The new engine will be a significant member of the Lifan engine family as it will help the company in meeting China Stage 4 Fuel Economy (FE) legislation requirements. NVH will be a significant focus of the project, including simulation and development of the engine as well as NVH performance when integrated into the vehicle so that consumer expectations of vehicle refinement can be met.

Commenting on the new contract with Lifan, Ricardo Asia president Gary Tan said: "The award to Ricardo of this contract marks a further development of the positive relationship between our two companies. Meeting China Stage 4 FE legislation is a significant challenge. While downsizing is one of the mainstream engine technology solutions, it causes difficulty in achieving sufficient vehicle refinement in terms of drivability, transient response and NVH, especially for 3- cylinder engine architecture. As Ricardo is very experienced in both powertrain engineering and vehicle integration, we are very pleased and confident that we can contribute to help Lifan in meeting this challenge."

Ends



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NOTES TO EDITORS:

Ricardo plc is a global, world-class, multi-industry consultancy for engineering, technology, project innovation and strategy. 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. With almost a century of delivering value through technology, our client list includes the world's major transportation original equipment manufacturers, supply chain organizations, energy companies, financial institutions and governments. Guided by our corporate values of respect, integrity, creativity & innovation and passion, we enable our customers to achieve sustainable growth and commercial success. For more information, visit www.ricardo.com.

Media contact:

Anthony Smith
Ricardo Media Office
Tel: +44 (0)1273 382710
E-mail: media@ricardo.com