

# PRESS RELEASE



**Ricardo plc**  
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## **Ricardo Software to partner with Modelon to expand IGNITE product capabilities**

**Integration of Modelon's OPTIMICA Compiler Toolkit will advance the Ricardo Software IGNITE product's simulation speeds and capability – and offers the opportunity for future significant enhancements**

Ricardo Software today announces a key partnership that will deliver immediate benefits to users of its IGNITE complete vehicle system simulation product, as well as enabling significant future developments. In the upcoming 2016 product release, planned for May, IGNITE users will have instant access to Modelon's advanced OPTIMICA Compiler Toolkit, a Modelica and Functional Mock-up Interface (FMI) based computational platform for system design.

Integrating IGNITE and OPTIMICA offers clear advantages for system simulation users, not least with a three-fold increase in the speed of compilation and simulation, providing very significant time-savings. Moreover, it provides expanded compatibility with proprietary and open source Modelica libraries (covering two-phase fluid, thermal, hydraulics, and more), and comprehensive support of the FMI, further enabling execution of multi-domain and multi-scale studies in IGNITE.

The result of this partnership will bring together the best of IGNITE's comprehensive ground vehicle performance and fuel economy simulation capability with Modelon's leadership in Modelica and FMI technology.



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“We’re thrilled to be partnering with Modelon to bring new and exciting capabilities to market” states David Higbie, Ricardo Software Managing Director. “We’re confident that improving IGNITE’s speed and agility will strengthen its position as a technology leader in the Model-Based-Design space, further enabling our users to achieve faster and more advanced dynamic simulation results, and create more fuel-efficient vehicles and better product designs.”

“We are very proud to supply Ricardo and its customers with our foundation technology for Modelica and FMI modelling and simulation” states Magnus Gäfvert, CEO of Modelon. “The industry expertise embedded into IGNITE combined with Modelon’s state-of-the art modelling and computational technology in OPTIMICA provides a powerful platform for high impact vertical solutions in vehicle system simulation.”

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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 clients to achieve sustainable growth and commercial success. For more information, visit [www.ricardo.com](http://www.ricardo.com).

**Ricardo Software** is the computer-aided engineering software business of Ricardo. Its comprehensive suite of software tools provides analysis solutions for powertrain and vehicle development, from concept through to detailed design. Ricardo Software products offer a wide range of design and analysis tools developed for industries ranging from automotive to heavy equipment, motorcycle, rail and shipbuilding. For more information, visit [www.software.ricardo.com](http://www.software.ricardo.com).

**Modelon** is a global leader in industry grade Modelica and FMI technology for Model-Based Systems Design. Modelon software tools and model libraries enable users in a range of high technology industries to accelerate development time and improve engineering results. Our training, consulting and engineering services support our clients in leveraging state-of-the-art model-based tools and methods to excel in their markets. Modelon plays an integral role in the development of Modelica and the FMI open standards. Modelon is based in Lund Sweden with offices in Gothenburg Sweden, Munich Germany, Hamburg Germany, Tokyo Japan, Hartford, CT USA and Ann Arbor, MI USA. For more information, visit the Modelon web site at <http://www.modelon.com/>

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