



## PRESS RELEASE

# 2012 Optimus World Conference is forum for Noesis Solutions customers to share design optimization experiences

Leuven, Belgium, August 30 - 2012 – Noesis Solutions, the developer of Optimus, announces the program of its 2012 Optimus World Conference to take place October 16-17 in Munich, Germany. Designers and engineers from leading manufacturing companies and research institutions will gather to share successful optimization projects and learn about the benefits of process integration and design optimization (PIDO). Keynote speakers from Snecma, Federal-Mogul and Audi will elaborate on the role of process integration and design optimization in today's product development process. Automated, multi-disciplinary 'Design by Objective' optimization strategies are among the key elements that enable product development teams to differentiate and incorporate targeted brand values.

### Conference addressing today's development challenges

The Optimus 2012 World Conference will be hosted at the Hotel Novotel München Messe. The conference venue is situated on the former Riem airport site next to the exhibition center of Bavaria's capital city.

Noesis Solutions invites research, design and engineering professionals to attend this unique conference that tunes into today's development challenges. Conference attendees and presenters from customers worldwide will exchange optimization project experiences. The 2012 World Conference is a forum where they learn about the latest PIDO trends, and discover how Optimus improves product performance and process efficiency in projects across industry sectors.

Keynote sessions and parallel track presentations will reveal a wealth of information related to the successful application of PIDO technologies. Everyone present will have the opportunity to meet Noesis Solutions delegates and CAE business partners, and learn about upcoming Optimus software developments. BETA CAE Systems, Divis Intelligent Solutions, Maplesoft and SpaceClaim are among the business partners participating to the conference.

### Keynotes from Snecma, Federal-Mogul and Audi

Noesis Solutions is proud to introduce keynote speakers from world-class manufacturing companies in aerospace and automotive industries. In their keynotes, speakers from Snecma, Federal-Mogul and Audi will highlight how they implement optimization strategies in search of the best-performing system designs.

Mr. Mathieu Dakowski will present the opportunities and challenges of design optimization performed at Snecma. Dakowski will give an overview of a typical design process for developing aircraft turbomachinery blades, involving multi-disciplinary design optimization with Optimus. His keynote address will also cover the challenge to synthesize the vast amount of data generated throughout the process into information on which engineering decisions can be based.

Priv.-Doz. Dr. Ralf Meske will explain the significant productivity gain that product design automation brings to Federal-Mogul's uniform analysis process for the development of aluminum pistons for modern internal com-

bustion engines. Pistons have to successfully withstand extreme thermal and mechanical loading, while being subject to advanced lightweight and cost targets.

Dr. Bernd Mlekusch will elaborate on the role of design optimization within the innovative car body development process at Audi. Mlekusch will explain the importance of combining physical testing and CAE, especially when incorporating lightweight materials and innovative joining technologies. The high predictive quality of this approach combined with design optimization helps achieve Audi's ambitious crash and NVH targets.

### **Parallel tracks featuring industry and research projects**

Following the keynotes of the Optimus 2012 World Conference, parallel presentation tracks will feature a mix of industry and research related cases.

Manufacturers from automotive, aerospace and other industries – including Asahi, Audi, BMW, CENAERO, Thales Alenia Space, Tyco Electronics and Volkswagen – will present how Optimus helped resolve their complex engineering challenges.

The conference program includes presentations from universities in Cranfield (UK), Ghent (BE), Delft (NL), Hamburg (DE), Turin (IT) and Shanghai (CN). These contributions confirm the important role Optimus plays in academic research carried out at universities around the world and in key industrial research projects sponsored by various official organizations, including the European Commission.

### **About Noesis Solutions**

Noesis Solutions, a subsidiary of Cybernet Systems Co. Ltd. in Japan, is an engineering innovation partner to manufacturers in automotive, aerospace and other advanced engineering industries. Specialized in simulation process integration and numerical design optimization, its flagship product Optimus focuses on resolving customers' toughest multi-disciplinary engineering challenges. Noesis Solutions operates through a network of subsidiaries and representatives in key locations around the world. For more information, please visit [www.noesissolutions.com](http://www.noesissolutions.com).

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