

PRESS RELEASE

## **Noesis Solutions and Cybernet Systems announce availability of Synopsys LightTools interface for Optimus**

**Leuven (Belgium) and Tokyo (Japan), March 6 - 2012 – Noesis Solutions and Cybernet Systems announce the availability of an Optimus interface for LightTools®, the design software for illumination applications developed by Synopsys, Inc.**

LightTools is a leading 3D optical engineering and design software used to simulate illumination optics products including LED lighting systems, LCD backlights, projectors, and interior and exterior automotive lighting. LightTools has 3D CAD functionality, which allows evaluation models to be developed easily.

The Optimus software suite from Noesis Solutions is a renowned solution for design optimization and process integration. It enables manufacturers to identify superior product designs by managing a parametric simulation campaign using simulation software such as LightTools. Optimus users typically perform Design of Experiments (DOE) to define a virtual experiment plan that acquires the most relevant design information possible with minimum simulation effort. They then use this information set to explore the design improvement potential using Response Surface Modeling (RSM) methods, or to identify an optimized product design.

Optimus' powerful Open Access technology enables interaction with third-party software programs such as LightTools. A wrapper tool provides an efficient way to wrap the parameterization and the command line of the software. Subsequently, Optimus creates the workflow, launches the virtual experiments and post-processes their results.

By combining and utilizing Optimus and LightTools – both distributed and supported by Cybernet Systems Co., Ltd. – optical engineers are able to efficiently optimize innovative optical system solutions. The integration and automation of the simulation process flow opens up great opportunity to drastically advance illumination optics functionality and reduce product development turnaround time. The LightTools interface for Optimus has been developed and made available by Cybernet Systems.

### **About Noesis Solutions**

Noesis Solutions is an engineering innovation partner to manufacturers in automotive, aerospace, and other advanced engineering industries. Noesis Solutions joined the Cybernet Group as a wholly owned subsidiary in July 2010. Specialized in simulation process integration and numerical optimization, the company's flagship product Optimus focuses on resolving customers' toughest multi-disciplinary engineering challenges. Optimus identifies the best candidates by managing a parametric simulation campaign that orchestrates the software tools customers already use. After evaluating the proposed design alternatives, customers pick the most optimal and robust design option to verify in detail and take into production. Noesis Solutions operates through a network of subsidiaries and representatives in key locations around the world. For more information, please visit [www.noessolutions.com](http://www.noessolutions.com).

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### **About Cybernet Systems Co., Ltd.**

Cybernet Systems Co., Ltd., headquartered in Tokyo, Japan, is providing cutting-edge software solution service in scientific computation field, especially CAE software. Cybernet is providing software, educational service,

technical support and consulting for various industries and applications such as electric, transportation, machinery, precision equipments, medical, academic and research institutes. Cybernet offers wide variety and global level of software like mechanical analysis, acoustic analysis, structural analysis, control system analysis, communication system analysis, signal processing, optical design, illumination analysis, electronic circuit design, versatile visualization processing, medical image processing and fulfilling various customers' needs. Cybernet also offers lineup of software which implements efficiency of business process, and IT solutions such as countermeasure for leakage and unauthorized access to personal or confidential information, archiving and protection of data, increase security level of client, PC and server by enhancing authentication. For more information, visit [www.cybernet.co.jp](http://www.cybernet.co.jp).

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