Press release

LMS International and Red Cedar Technology collaborate for improved multidisciplinary systems design

October 15, 2012, LEUVEN (Belgium) – LMS International, the leading partner in test and mechatronic system simulation, has partnered with Red Cedar Technology, a Michigan-based engineering optimization software and services provider, to offer to the engineering community the capability for simulating and optimizing mechatronic systems with novel technologies to reach the best balance of targeted attributes.

Multidisciplinary systems optimization is a key challenge for most of the advanced industries. With this agreement, LMS further increases the innovative functionalities it provides to existing and new clients, while Red Cedar Technology expends its support for optimization of mechatronic systems design through the integration of LMS Imagine.Lab AMESim and HEEDS MDO.

"The optimization of mechatronic systems is far from being trivial since every choice the engineer makes is a compromise on the targeted system's performance. The ability to reach the optimal design is highly dependent on the engineering software tools' capabilities and the intrinsic industrial know-how. HEEDS is a powerful tool that will further push the limits of systems optimization. Through this collaboration with Red Cedar Technology, we can bring the novel optimization techniques of HEEDS to the large community of Imagine.Lab AMESim users," states Nicolas Orand, Director of LMS Imagine.Lab products.

"This partnership brings a new level of design exploration capability to mechatronic system developers," concurred Bob Ryan, CEO of Red Cedar Technology. "Due to the multi-disciplinary nature of mechatronic systems, it is difficult for designers and engineers to develop strong insight into the changes required to optimize the performance of highly-coupled electrical, hydraulic, pneumatic, and mechanical systems. HEEDS, working together with AMESim, makes it possible to find innovative designs faster, and develop better experiential insight."

About LMS International

LMS, the leading partner in test and mechatronic simulation in the automotive, aerospace and other advanced manufacturing industries, helps customers get better products to market faster. With a unique combination of mechatronic simulation software, testing systems and engineering services, LMS tunes into mission critical engineering attributes, ranging from system dynamics, structural integrity and sound quality to durability, safety and power consumption. With multi-domain and mechatronic simulation solutions, LMS addresses complex engineering challenges associated with intelligent system design and model-based systems engineering. More than 1150 LMS professionals serve over 5000 manufacturing companies worldwide.

About Red Cedar Technology

Red Cedar Technology improves and accelerates design processes for companies facing complex product design challenges. Our design optimization software and services provide engineers with the expertise and technology to reduce product development time and achieve significant productivity gains during the design process. Product development teams worldwide use our expertise to design safer cars, engineer life-saving biomedical devices and develop innovative structures for air travel and space exploration, among many other groundbreaking applications. For more information, visit http://www.redcedartech.com, email info@redcedartech.com or call (517) 664-1137.