



## **LMS International – short company profile**

LMS is an engineering innovation partner for companies in the automotive, aerospace and other advanced manufacturing industries. LMS enables its customers to get better products faster to market, and to turn superior process efficiency to their strategic competitive advantage. LMS delivers a unique combination of ID and 3D virtual simulation software, testing systems, and engineering services. We are focused on the mission critical performance attributes in key manufacturing industries, including structural integrity, handling, safety, reliability, thermal management, fluid dynamics, comfort and sound quality. Through our technology, people and almost 30 years of experience, LMS has become the partner of choice for most of the leading discrete manufacturing companies worldwide. LMS, a Dassault Systèmes Gold Partner and SIMULIA Partner, is certified to ISO9001:2008 quality standards and operates through a network of subsidiaries and representatives in key locations around the world.

## **LMS International – company background**

LMS uniquely combines virtual simulation and testing expertise to integrate the entire development cycle, from initial target setting up to the final product refinement and validation. LMS empowers engineering teams to qualify the feasibility of attribute design targets and to quickly evaluate early concept designs. LMS' integrated simulation platform supports them in assessing the performance of designs in the detailed engineering stage, and delivers accurate simulation results to evaluate specific design options in detail. The industry evolution towards more virtual prototyping results in fewer prototypes that must be tested in greater detail. LMS provides the integrated testing systems that dramatically improve the productivity of prototype troubleshooting, refinement and validation.

LMS offers integrated solutions for ID and 3D virtual simulation, enabling engineers to accurately simulate and refine mechanical design long before prototype testing. LMS Imagine.Lab AMESim offers a complete ID simulation suite to model and analyze multi-domain, intelligent systems and to predict their performance in different physical domains like fluids and hydraulics, pneumatics or electric and electro-mechanical behavior. LMS

Virtual.Lab offers an integrated software suite to simulate the performance of mechanical systems in terms of structural integrity, noise and vibration, durability, system dynamics, ride and handling and dynamic motion and other attributes.

LMS complements its solutions for virtual simulation with a full suite of physical-prototype testing and analysis solutions for durability, noise and vibration engineering. The LMS offering ranges from large-scale laboratory systems to compact and highly portable instruments.

LMS Engineering Services works with customers to solve their most critical problems, optimize their development processes, or co-develop their products. LMS offers unique combination of process know how and engineering experience. Over 25 years of experience in engineering and process consulting have given us an in-depth understanding of 'best practices' in automotive and aerospace engineering, ranging from full-vehicle integration, body engineering, suspension development, engine design, landing gear development to aircraft structure optimization.

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