

Flowmaster launches V7.6 across its range of system simulation tools

28 October 2008 - Flowmaster, provider of world class system simulation software launches Flowmaster V7.6, the latest system simulation software across its product range: V7 General Systems, V7 Automotive, V7 Aerospace and V7 Gas Turbine.

Flowmaster is system simulation software that allows engineers to design, simulate, validate and optimise thermo-fluid systems at the concept phase of development, often before any 3D data is available, and throughout the development lifecycle. Engineers can use Flowmaster to understand where small design changes can deliver the most performance improvement and encapsulate knowledge and data for future re-use.

The development of Flowmaster V7.6 has been driven by the need for companies to reduce development time and costs, whilst maximising quality and performance. Flowmaster V7.6 incorporates new capabilities for Flowmaster V7 Automotive and significant enhancements to the Flowmaster V7 product range including: V7 Aerospace, V7 Gas Turbine and V7 General Systems

Flowmaster V7.6 Automotive

Flowmaster V7.6 Automotive delivers new tools for Heating, Ventilation and Air Conditioning (HVAC) and Vehicle Thermal Management (VTM) including a New Advanced Heat Exchanger Module, Supercritical AC System Components and Correlations, Reversible Heat Pump Modelling, Refrigerant Charge Mass Determination, Cabin Component, Passenger Comfort Model, Global Performance Data and Enhanced Fluid Properties for the latest AC refrigerants.

[\(View press release for Flowmaster V7.6 Automotive for full details\)](#)

Flowmaster V7.6 General Systems

Flowmaster V7.6 delivers significant performance improvements with new numerical models for the compressible pipe (including an implicit finite difference method), and a variety of algorithmic, computational & ergonomic improvements to the Flowmaster GUI.

The new parametric capabilities in Flowmaster V7.6 now allow engineers to undertake multiple 'what if' studies for different design scenarios without the need for external programming to third party applications such as Microsoft Excel. Simultaneously, improvements to Flowmaster's Component Object Model (COM) Interface and the creation of a .NET Application Programming Interface allow Flowmaster to be used by industry standard design optimisation applications.

Major new and enhanced functionality for the management of simulation data includes:

- A user administrator tool allowing for the creation of project teams with different access privileges to Flowmaster data.
- A database synchronisation tool which allows users to 'check out' Flowmaster reference networks from a central database, facilitating the ability of engineers to undertake field trials with Flowmaster and work away from a central Flowmaster server. A facility that allows a manager to "sign off" simulations so that networks and results can be retained for regulatory, certification, quality assurance, contractual or any other project reason.

Finally a new delivery mechanism allows for much easier installations both on standalone PC's or in enterprise client-server network environments.

"Flowmaster V7.6 represents a significant milestone in the development of our system simulation software product range. Development of V7.6 has been led by our customers which has resulted in a product that not only meets their needs today but also in the future. In today's challenging economy, companies are looking at improving their processes not only to deliver competitive advantage but also to ensure they emerge stronger and more profitable. Flowmaster V7.6 facilitates this through new and enhanced technologies that significantly enhance productivity, innovation and collaboration." concludes Morgan Jenkins, Product and Marketing Director, Flowmaster Limited.

For more information on Flowmaster V7.6, look out for our free regional webinars taking place in November by visiting our website www.flowmaster.com/events

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Notes to Editor:

About Flowmaster

Flowmaster is an international developer of best-in-class thermo-fluid system simulation software and services, providing Computational Fluid Dynamics (CFD) simulation at a system level, giving engineers insight from the concept stage of the development process all the way through to lifecycle extension.

Flowmaster was established in 1992, with the mission of making the empirical fluid characteristic data in DS Miller's Internal Flow Systems available in the first commercial software code. Flowmaster continues to be the preferred partner of world leading engineering organisations across a broad spectrum of industries. This can be attributed to Flowmaster's ability to anticipate the needs of industry, resulting in an open and scalable thermo-fluid simulation product range that gives customers, of all sizes, the flexibility to develop their own future-proof strategic advantage through engineering excellence, collaboration and integration.

Flowmaster Ltd is certified to BS-EN-ISO 9001:2000 & TickIT and through an established network of subsidiaries and representatives they provide sales, support and training to customers worldwide.

Contact

Clare How
Marketing Executive
Flowmaster Limited

t: +44 (0) 1327 306000
e: clare.how@flowmaster.com
w: www.flowmaster.com