

New System Simulation Software Helps Aircraft Development meet Tighter Regulations

Towcester, United Kingdom, 21st October 2009 - Flowmaster is pleased to announce the release of Flowmaster V7.7 Aerospace, the latest version of the world class software solution for aerospace thermo-fluid system simulation. V7.7 Aerospace includes new advanced functionality to help design fuel systems in line with new regulatory performance targets and tools to simplify the simulation of environmental changes in aircraft cockpits and small cabins.

With increasing operational costs and ever tighter design regulations, aerospace manufacturers look to software tools that will not only allow them to validate system performance and efficiency of current projects, but those that also show a clear development stream of future capability that will support them in delivering tomorrow's aircraft. Flowmaster V7.7 Aerospace builds upon the capabilities of the existing version by streamlining its catalogue structures to speed up workflow, providing new and enhanced system components and expanding its simulation functionality to further meet the needs of today's aerospace engineers.

"The release of Flowmaster V7.7 Aerospace continues the development of what has become the industry standard tool for 1D system simulation. The new and enhanced fuel system modelling capabilities simplify the task of analyzing multiple cell fuel tanks and will help engineers to validate system performance against FAA requirements on fuel tank venting and inerting systems. The new Aircraft Cabin Component that Flowmaster has developed following collaboration with P+Z Engineering will provide our customers with a robust modelling tool to simulate the entire range of thermal affects on cockpits and small cabins."

Doug Kolak, Aerospace Product Manager

Flowmaster V7.7 Aerospace delivers a new Cabin Component, for modelling the thermal affects on small aircraft cockpits and cabins; an advanced Multi-Arm Tank Component, for simulating venting and inerting fuel systems across multi-cell tanks; a new Altitude Pump Component for measuring the affect changes in altitude will have on system performance; an enhanced Turbine Component and enhanced Multi-fluid Simulation capabilities for modelling and controlling of fluid and gas mixing and separation.

Flowmaster will be presenting a collaborative paper at 2009 SAE AeroTech Congress and Exhibition which will introduce Flowmaster V7 Aerospace's co-simulation capabilities and demonstrate the use of Flowmaster in conjunction with 3D CFD software through the use of the MpCCI Flowmaster Adaptor. The technical paper to be presented was written in conjunction with the Fraunhofer Institute for Algorithms and Scientific Computing SCAI and is titled: *'Achieving an Improved Understanding of the Factors Affecting an Aircraft Environmental Control System by coupling a 1D Cabin Air Distribution System model with a 3D Passenger Cabin Model using Co-Simulation Middleware'*

A team of representatives from both the Flowmaster Ltd and Flowmaster Inc will be attending the event including the Aerospace Product Manager - Doug Kolak.

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.