

FlowmasterLink for MATLAB V2.0.1

Towcester, United Kingdom, 11 March 2009 – Flowmaster Limited is pleased to announce the launch of FlowmasterLink for MATLAB V2.0.1 enabling co-simulation between Flowmaster® V7.6 and The Mathworks products MATLAB® and Simulink®.

FlowmasterLink for MATLAB is a graphical user interface (GUI) which allows users to connect to and set Flowmaster database, network, analysis and variables for a combined Simulink and Flowmaster co-simulation.

Simulink and MATLAB are commonly used to model dynamic systems such as virtual vehicle, flight simulator and control systems. Interaction of the mechanical systems modelled in Simulink with the fluid systems modelled in Flowmaster significantly improves the understanding of how these systems behave and interact which ultimately contributes to reduced prototype costs and design time.

By co-simulating Flowmaster and MATLAB, information can be exchanged to simulate complex systems interactions. For example a control engineer may use MATLAB/Simulink in the design of a particular controller, whilst a thermal engineer might use Flowmaster to understand how the valve opening, controlled by the controller, affects the flows and heat transfer around a fluid system to optimise its operation. By co-simulating, the effect of the valve opening can be seen on the thermal system, which, may feed back into the control system or feed on to another system such as the mechanical (drive) system.

“FlowmasterLink for MATLAB enables organisations with large multidisciplinary, multifunctional teams or projects to use a number of simulation tools to build Virtual Prototype models and to perform simulations for interacting mechanical and fluid systems” explains Dr. David Kelsall, Product Manager for Flowmaster Limited.

FlowmasterLink for MATLAB V2.0.1 builds on the previous version to incorporate the additional functionality required for Flowmaster V7.6. This includes login changes to allow the linked Flowmaster process to login to the appropriate database, project and working directory for the Flowmaster network. Additionally, FlowmasterLink for MATLAB updates its support to MATLAB R2008b and Flowmaster V7.6.

FlowmasterLink for MATLAB is available for customers to download from the customer portal at www.flowmaster.com/customer.

About Flowmaster Group

Flowmaster Group is an International organisation with over 18 years experience providing industry leading fluid systems simulation software to the aerospace, automotive, marine, oil & gas, power generation, process, rail and water industries. With its headquarters in the United Kingdom, the Flowmaster Group employs 70 people and has offices in the USA, Germany and India.

Flowmaster system simulation software enables design engineers and analysts to understand the complex internal flow and thermal effects within fluid systems at the concept stage and throughout the development process. Flowmaster provides users with a greater understanding of fluid systems much earlier, increasing quality and performance whilst shortening the development cycle.

For more information on Flowmaster, visit: www.flowmaster.com or email info@flowmaster.com

About The Mathworks

Simulink® and MATLAB®, from The Mathworks, provide popular simulation environments, used for simulating across a diverse cross-section of engineering applications in control, automotive, aerospace, electrical, mechanical and many other spheres of engineering.

For more information on The Mathworks, visit www.mathworks.co.uk