

## Increasing productivity and competitive advantage for Gas Turbine OEMs using System Simulation

**Towcester, United Kingdom, Monday June 8<sup>th</sup> 2009** – Join Flowmaster at **ASME Turbo Expo 2009, Orlando, FL, June 8<sup>th</sup> – 12<sup>th</sup>**, the premier event for the Gas Turbine industry. Mike Croegaert, Gas Turbine Product Manager will be presenting **‘Using Flowmaster V7 as your COTS solution for the simulation of your secondary air systems’** on the Expositing Stage, during the **Expo Reception at 5pm, June 9<sup>th</sup>**.

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 V7 provides users with a greater understanding of fluid systems much earlier, increasing quality and performance whilst shortening the development cycle.

Traditionally software for simulating Gas Turbine Secondary Air systems has been developed in-house and has been centered on the proprietary performance correlations that give Gas Turbine OEMs their unique competitive advantage. These codes are often technically strong however this is usually at the expense of usability, they are costly to maintain and can tie up valuable CFD specialists time with software rather than methodology development and internal knowledge transfer and education.

Flowmaster has addressed these issues, identified during consultation with the many OEMs, by creating a commercial off-the-shelf (COTS) solution that combines an established and validated solver with the usability of a professionally developed and maintained graphical user interface. Flowmaster V7 Gas Turbine has the flexibility to allow organizations to integrate and secure proprietary data into a powerful easy to use tool that is commercially developed and supported by an international network of fluid systems engineers.

‘I have been working with many Gas Turbine OEMs over the last 5 years and understand how important it is for organizations to be able to leverage and protect their propriety correlations in a solution that also combines the productivity gains associated with easy to use commercially developed software tools. Our product release later this year marks the completion of the Secondary Air system simulation capability in Flowmaster V7 Gas Turbine which is the first commercial off the shelf tool of its kind for the Gas Turbine industry’ - **Mike Croegaert, Gas Turbine Product Manager**

## **NOTES TO EDITOR:**

### **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.

### **About Flowmaster V7 Gas Turbine**

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For more information on Flowmaster, visit: [www.flowmaster.com](http://www.flowmaster.com)

### **About ASME Turbo Expo 2009**

ASME Turbo Expo is the world's leading gas turbine technology conference that comprises of a five-day Technical Congress and a three-day, premium exposition of gas turbine products and services supported by leading companies in the industry, including Pratt & Whitney, Alstom, Siemens, GE, Mitsubishi, Dresser Rand, and many more. This annual event, alternating between North American and European locations, is organised by the International Gas Turbine Institute (IGTI). The IGTI is an institute of the American Society of Mechanical Engineers (ASME) and is dedicated to supporting the international exchange and development of information to improve the design, application, manufacture, operation and maintenance, and environmental impact of all types of gas turbines, turbomachinery and related equipment.

For more information on ASME Turbo Expo 2009, visit

<http://www.asmeconferences.org/TE09/index.cfm>