

Aperture and TileFlow Collaborate to Address Cooling Issues in the Data Center

Leading companies join forces to facilitate Computational Fluid Dynamics thermal analysis for enterprise data centers

Stamford, CT – September 15, 2008 – Aperture, an Emerson Network Power brand, and the leading global provider of software for managing the physical infrastructure of data centers, today announced a collaboration with Innovative Research, Inc. (IRI), the provider of TileFlow™, a computational fluid dynamics (CFD) product designed for calculating airflow patterns and temperature distribution in data centers. This effort brings the capabilities of Aperture's breakthrough data center planning, management and monitoring product, Aperture VISTA, together with IRI's revolutionary simulation tool TileFlow. Customers will be able to efficiently predict and identify cooling problems in their data centers and better plan their data centers' future designs, avoiding disruptions and saving both resources and time.

As power and cooling management becomes more critical to data centers' sustainability, companies are turning to Computational Fluid Dynamics as a means of analyzing and solving these problems. With CFD technology, companies can view the data center like a weather map, identifying hot spots in the existing and proposed data center configurations. The simulation product TileFlow, which is designed specifically for the data center application, offers ease of use, fast execution, and spectacular clear display of simulation results.

Aperture VISTA and IRI's TileFlow complement each other perfectly. VISTA is a comprehensive data center infrastructure resource management system, which houses configuration and operating information of data centers, including racks, servers and power/cooling equipment. TileFlow is a powerful simulation tool for calculating airflow and temperature distribution in data centers. With this integration, the infrastructure data stored in VISTA can be seamlessly imported into TileFlow for CFD analysis. VISTA's ability to continually maintain the location and configuration of equipment allows customer to perform CFD analyses in an on-going manner.

"The combined offering of VISTA and TileFlow creates a strong value proposition to data center organizations, helping to give them the solutions they need to meet their challenges," said Dr. Suhas V. Patankar, President, Innovative Research, Inc. "All the information on heat-generating equipment already resides in VISTA, and this information can be imported into TileFlow with a single click of mouse. Now, users can more easily and quickly generate detailed CFD models in TileFlow, and thus identify cooling problems and resolve them."

IRI's TileFlow performs a scientific calculation of airflow patterns and temperature distribution in the data center and provides a computer simulation of the cooling performance within the facility, allowing users to evaluate cooling problems and solutions, while designing a new facility or upgrading an existing one. Aperture's technology brings the manageability, visibility and control over all the physical elements of a data center, giving companies an unprecedented view of their assets and helping IT managers to not only understand their data centers' current configuration but to also control their data centers' future design. The physical infrastructure of the data center is more important than ever, and the collaboration between Aperture and Innovative Research offers an effective solution to help companies manage today's dynamic IT environment.

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“Aperture VISTA is the market leader in data center planning, management and monitoring, and, together with Innovative Research, we are enabling data centers to plan and manage cooling on an operational basis for the first time,” said Steve Yellen, VP of Marketing, Aperture. “Data center management was never able to efficiently run CFD analysis on an operational data center because maintaining an accurate inventory of equipment was too much effort. Because VISTA always has an accurate map of the configuration of the data center and all its contents, this can now be accomplished with the push of a button.”

About Innovative Research, Inc.

Innovative Research, Inc. provides quality software products and consulting services for fluid flow, heat transfer, combustion, turbulence, and related processes. IRI’s flagship product TileFlow is the leading airflow simulation tool for data centers. It provides unparalleled ease of use, fast solution, and a large variety of colorful displays and animations of airflow and temperature patterns in data centers. TileFlow can be used for designing the cooling systems in new data centers and for upgrading or reconfiguring existing data centers in an ongoing manner. For more information, please go to: <http://www.inres.com/>.

About Aperture

Aperture software from Emerson Network Power is used to manage the physical infrastructure of data centers, reduce operational risk and improve efficiency through the planning and management of data center resources and real-time monitoring of the environment. Emerson Network Power, a business of Emerson (NYSE: EMR), is the global leader in enabling *Business-Critical Continuity™* from grid to chip for telecommunication networks, data centers, health care and industrial facilities. Emerson Network Power provides innovative solutions and expertise in areas including AC and DC power and precision cooling systems, embedded computing and power, integrated racks and enclosures, power switching and controls, infrastructure management and monitoring, and connectivity. All solutions are supported globally by local Emerson Network Power service technicians. For more information visit www.aperture.com <<http://www.aperture.com/>>. Learn more about Emerson Network Power products and services at www.emersonnetworkpower.com <<http://www.emersonnetworkpower.com/>>.

About Emerson

Emerson (NYSE: EMR), based in St. Louis, Missouri, USA, is a global leader in bringing technology and engineering together to provide innovative solutions to customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal 2007 were \$22 billion. For more information, visit www.Emerson.com.

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