



**FOR IMMEDIATE RELEASE**

December 17, 2007

For more information, contact:  
Mark Bedard, Program Assistant  
WARD HILL MARKETING, INC.  
360 Merrimack Street, Bldg. 5, 3rd Floor  
Lawrence, MA 01843 USA  
TEL: +1 978-794-5441; FAX: +1 978-688-8418  
E-MAIL: [mbedard@wardhillmarketing.com](mailto:mbedard@wardhillmarketing.com)

**AdaptivCool System Improves Data Center's Efficiency**

MILFORD, NH (USA) – Degree Controls, Inc. (DegreeC), a leading thermal management solutions provider, announces an important data center airflow management installation featuring its AdaptivCool product. The recent installation, at a major New England-based electronics manufacturer, resulted in the total elimination of hot spots within their data center, as well as a 22% reduction in energy usage.

By conducting a detailed CFD analysis of airflow, the AdaptivCool team from DegreeC was able to identify the problems causing the data center's hot spots—some as high as 84°F. Appropriate steps were taken to redirect airflow with the assistance of AdaptivCool HotSpotr underfloor airmover floor tiles, installed in place of standard 2' x 2' data center floor tiles at strategic locations throughout the data center. By networking the fan-assisted tiles and an array of airflow and temperature sensors into a central controller, the AdaptivCool system is able to automatically compensate for hot spots, redistributing cold air to where it is needed in real-time.

As an added benefit to the system, the data center's CRAC units are no longer battling humidification/dehumidification problems that were encountered due to the previously unbalanced temperature of return air. As a result, the data center's CRACs are now operating more efficiently and, together with other improvements, have contributed to the 22% reduction in energy usage for the data center.

Additionally, the data center can now take one of their three CRAC units offline for routine maintenance without experiencing overheating, a virtually impossible task before the installation of the AdaptivCool system.

“Hot spot elimination was achieved by simply properly directing and controlling the cooling airflow using the AdaptivCool solution, all with no downtime or rack movement,” says Wally Phelps, AdaptivCool Product Manager at DegreeC. “We were able to accomplish everything the customer asked of us, and the energy savings were an extra bonus.”

##

**About Degree Controls, Inc.**

Headquartered in Milford, New Hampshire, Degree Controls, Inc. (DegreeC) is a leading developer of thermal management solutions and sensing products for the international telecom, medical, military, and critical containment enclosure markets. Founded in 1997, DegreeC is a private ISO 9001 registered company. It offers thermal testing, analysis, and design services; precision airflow instruments and sensors; and volume assembly of proprietary thermal management controllers, intelligent fan trays, and custom high performance heat sinks. The company offers both custom-designed solutions and standard products. For more information, please visit [www.degreeC.com](http://www.degreeC.com).

**About AdaptivCool**

DegreeC’s AdaptivCool division offers a wide range of services and products to provide Room-Scale Intelligence solutions for data center thermal management. By utilizing only the existing cooling infrastructure of the data center, AdaptivCool automatically controls airflow distribution within the entire data center to deliver cold air to where it is needed. The system offers fast installation with no downtime or rack movement required. For more information, please visit [www.adaptivcool.com](http://www.adaptivcool.com).