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For Immediate Release

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Energy-Efficient Data-Center Cooling Technology Unveiled

Milford, New Hampshire – January 4, 2006 – Before you invest time and money installing new data-center cooling equipment, STOP. Degree Controls, Inc. (DegreeC) announced today a breakthrough technology, ADAPTIVCOOL, which can reduce data-center cooling bills by up to 30 percent.

DegreeC, a thermal and airflow solutions company, designed ADAPTIVCOOL to solve a problem experienced by data center owners and operators everywhere: increasing heat loads and rising utility bills.

“Since the recognition that heat extraction is a problem at the chip level, the electronics industry has been working on ways to move heat from chips to boards to chassis and, finally, to the room. Heat from all electronic systems inevitably ends up in the room, making it a challenging problem for data room operators,” said Rajesh Nair, the company’s founder and CTO. “DegreeC has attacked this problem by applying lessons learned from decades of experience in managing heat in extremely high power telecommunications systems,” said Nair.

ADAPTIVCOOL’s temperature sensors send information to a thermal hub that calculates cooling demands and sends messages to variable-speed fans embedded in the data-center’s raised flooring and return passages. By directing cool air to the appropriate equipment and returning the hot exhaust air back to the air-conditioning unit, ADAPTIVCOOL solves one of the biggest issues in cooling high-density IT racks: Preventing the mixing of cool and hot air in the data center.

By employing this controlled airflow technique and addressing other inefficiencies in the room, “hot spots” and temperature gradients are nearly eliminated. With energy savings of up to 30 percent, ADAPTIVCOOL also reduces the likelihood of IT component failures.

(more)

ADAPTIVCOOL enables more IT equipment to be housed per square foot – saving you money. ADAPTIVCOOL's intelligent network of sensors provides IT professionals with a minute-by-minute update of room conditions and warns of impending thermal problems.

The ADAPTIVCOOL solution is applicable to any raised floor data center.

DegreeC begins the first phase of ADAPTIVCOOL implementation by conducting complete thermal modeling of your data center. Once complete, DegreeC engineers select the appropriate ADAPTIVCOOL components and their ideal locations. Finally, the equipment is installed. Each of these phases is non-disruptive - no downtime or facilities upgrade is required. Ongoing system support is available and the modular design of the ADAPTIVCOOL system allows easy reconfiguration as IT equipment is refreshed.

About DegreeC

Headquartered in Milford, NH and founded in 1996, DegreeC is a private, minority-owned ISO-9001 registered company. Over the past ten years, DegreeC has become a leading provider of thermal and airflow solutions for challenging telecommunications and medical applications. DegreeC is now applying its chassis-level thermal expertise to mission-critical room-level spaces, starting with data centers and clean rooms. In addition to its USA locations, DegreeC has facilities in India, China and Japan. With DegreeC's most recent acquisition, Integrated Quality Services, LLC (IQS), DegreeC employs approximately 100 people. Additional information on DegreeC can be found at <http://www.degreec.com>.

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