



# The HVAC&R Industry

A weekly eNewsletter from ASHRAE



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Advancing HVAC&R To Serve Humanity  
And Promote a Sustainable World

*The HVAC&R Industry*, ASHRAE's free weekly eNewsletter for HVAC&R professionals, provides relevant, timely information about industry and technology for people who create healthy, comfortable indoor environments.

## Industry News

### **New York Building Boom To End This Year, Says Report**

NEW YORK—New York City's four-year-long building boom will peak this year, before new office and residential projects decline in the coming years and the number of construction jobs falls by around 23% by 2010, according to a report released this week by the New York Building Congress. The report envisioned two scenarios. The most dire scenario involves a prolonged downturn wherein government construction projects—half of all construction activity in the city—is significantly reduced simultaneous to a private sector construction standstill.

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### **Facility Managers Increasingly Adding Sustainability to Business 'Master Plans'**

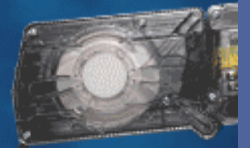
HOUSTON—Facility managers are increasingly following a "master plan" when implementing sustainable practices and are tying their efforts to measurable goals and business strategy, according to a new International Facility Management Association (IFMA) survey. While most survey respondents say they are implementing green building concepts without a master plan, 17% say they are adhering to one. A similar survey in 2002 found only 8% had a plan. The percentage of respondents who say they have not implemented any green strategies and do not plan to fell from 16% in 2002 to only 5% this year.

[Click here](#) to read the results of the survey.

### **Prince Charles Questions Value of 'Green' Technologies in Buildings**

LONDON—Charles, the Prince of Wales, has criticized the building industry for relying on technologies such as wind turbines and solar panels to justify inefficient buildings. In the foreword to a "green" supplement in House & Garden magazine, Charles questioned the use of "all the paraphernalia of a new 'green building industry' to offset buildings that are inefficient in the first place." He added "That many of these add-ons are mere gestures, at best, is now clear, as their impacts on home energy consumption can now be measured and usually offer scant justification for the radical nature of the design."

[Read more](#)



Duct  
Smoke  
Detector  
Won't  
Fit?

### **EU Energy Ministers Agree To Ban Incandescent Lightbulbs**

LUXEMBOURG—European Union (EU) energy ministers have agreed to ban incandescent lightbulbs in Europe beginning in 2010. Incandescent bulbs are to be replaced with low-energy fluorescent bulbs to reduce electricity use and CO<sub>2</sub> emissions. The ban will affect all of the EU's 500 million citizens.

[Read more](#)

#### **ASHRAE News**

### **ASHRAE Partners With Industry Leaders To Build Sustainable Headquarters**

ASHRAE's newly renovated headquarters serves as a laboratory without walls to extend the Society's knowledge and information worldwide. Completed in July, the renovation includes a new learning and meeting center. Sustainable measures are projected to generate a reduction in annual energy usage of more than 30%. The renewal was funded through donations of more than \$1.65 million in equipment, services and furnishings from more than 20 companies and individuals and the ASHRAE Foundation.

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### **ASHRAE, IFMA To Collaborate on Energy Efficiency Issues**

DALLAS—ASHRAE and the International Facility Management Association are entering into an agreement that increases cooperation between the two groups. The memorandum of understanding, to be signed at IFMA's World Workplace 2008 Conference & Expo, calls for sharing resources and collaborating on projects, publications, sustainability research and educational offerings that will be beneficial to both organizations' members and constituents. ASHRAE and IFMA will also work together on legislative and regulatory issues through their Washington, D.C., offices. The memorandum will be signed today at a press conference.

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#### **Feature of the Week**

### **Chilled Beams in Labs: Eliminating Reheat and Saving Energy on a Budget**

**By Peter Rumsey, P.E.,** Member ASHRAE; and **John Weale, P.E.**

This article addresses how chilled beams work; how to apply them in laboratories; and the specific benefits and limitations of their use in laboratories. It also presents a case study of the first laboratory in the United States to use chilled beams to eliminate reheat.

This article was originally published in January 2007. [Click here](#) to download the article. It will be available here through Oct. 29.

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After Oct. 29, access to the article from this eNewsletter will no longer be available. It will remain available for free download by Members [here](#) and for purchase by nonmembers in the [ashrae.org bookstore](#).

#### **Product News**



### [Solar-Assisted Heating and Cooling System From Lennox Industries](#)

DALLAS—Lennox Industries introduces the SunSource™ integrated solar-assisted heating and cooling system. It uses a solar panel that provides power to assist the fan motor to move air across the outdoor coil. On days with limited sun exposure, the system can use available solar resources to help reduce peak demand and increase energy efficiency.

[Read more](#)

### [UFAD Sealing System From Tate](#)

JESSUP, Md.—Tate® introduces AirArrest™, a through-wall wire sealing solution for data centers, office buildings, and other structures that use raised access floors with underfloor air distribution (UFAD). Designed to seal cable and wire access holes, the system uses thousands of polygon-shaped filaments that nest together with little or no interstitial space to prevent leakage of pressurized air around power and data cables that pass from room to room via through-wall cut-outs.

[Read more](#)

### [BACnet®-Based BAS From Siemens Building Technologies](#)

BUFFALO GROVE, Ill.—Siemens Building Technologies introduces a version of the TALON® building automation system based on the BACnet® protocol. The system enables users to install a dedicated workstation to manage and control an entire building. From the workstation, users can monitor equipment, schedule and modify operations, run reports and link to other workstations.

[Read more](#)

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