



# 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

### China Leads Growth in World AC Market

BERKSHIRE, UK—China and the rest of the Asia/Pacific region are leading growth in the world air-conditioning market, according to built environment consultancy BSRIA. In 2007, the world market for air conditioning was valued at \$62 billion, compared to \$55 billion in 2006. The Asia/Pacific region's AC market was valued at \$28 billion, with China accounting for nearly half that amount. Air-conditioner sales in the Americas and Europe combined equaled the Asia total. China and the U.S. were almost equal in market value in 2007.

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### Demand for Data Center Engineers Growing

NEW YORK—Mechanical engineers who design and run computer data centers once were regarded as blue-collar workers in the high-tech world. Now, their status is growing, as are their salaries—climbing more than 20% in the last two years. "The data center energy problem is growing fast, and it has an economic importance that far outweighs the electricity use," said Jonathan G. Koomey, a consulting professor of environmental engineering at Stanford. "So that explains why these data center people, who haven't gotten a lot of glory in their careers, are in the spotlight now."

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### 'Greenest' Cities in the U.S.

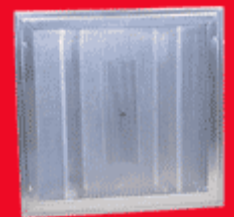
LOS ANGELES—Los Angeles generates less carbon per person than any other city in the Continental U.S., according to a recent Brookings Institution report. The institute calculated carbon footprints using highway traffic and household energy use and ranked cities based on lowest per capita output. Honolulu topped the list. Los Angeles narrowly beat Portland, Ore. New York came in fourth. Weather and population density are believed to be factors why L.A., which historically has a bad environmental image, ranks so high.

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### San Francisco Launches Municipal Solar Energy Incentive Program

SAN FRANCISCO—San Francisco has passed legislation to implement a 10-year solar energy rebate program for residents, businesses and nonprofits. It is reportedly the first solar rebate of its kind and size made by a U.S. city and will create the nation's largest

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municipal solar energy program. The incentive program provides rebates ranging from \$3,000 to \$6,000 to residents who install solar energy systems. It provides up to \$10,000 for nonprofits and businesses.

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### [AC, Heat Pump Shipments Decline](#)

ARLINGTON, Va.—Combined U.S. factory shipments of central air conditioners and air-source heat pumps for April decreased 6% compared with the same month in 2007. For the year-to-date, combined shipments totaled 1.8 million, a 7% drop compared with the same period last year. Furnace and water heaters also shipped at a slower pace than in the same month last year.

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## [ASHRAE News](#)

### [ASHRAE Leads New High-Performance Building Report, Caucus](#)

WASHINGTON—A report to the U.S. Congress on high-performance buildings was unveiled at a briefing here Wednesday. The briefing also included the announcement of the formation of the High Performance Building Congressional Caucus. ASHRAE was the lead sponsor of the briefing. Bill Coad, Presidential Member ASHRAE, chaired the committee that wrote the report that encourages the creation and operation of high-performance buildings. The newly formed congressional caucus will work to make policymakers aware of the impact buildings have on health, safety and welfare. ASHRAE is one of 14 organizations that form the caucus.

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## [Feature of the Week](#)

### [HVAC Modeling Before CAD: Sydney Opera House](#)

**By Paul G. Yunnie**, Member ASHRAE

A model of Sydney Opera House was built to aid the design and installation of services in one of the world's most iconic buildings. The opera house uses more than 32 km (20 miles) of air ducting and more than 100 individual fan systems. However, as presented in this article, the model has a story as intriguing as the building itself.

This article was originally published in October 2006. [Click here](#) to download the article. It will be available here through July 3.

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After July 3, 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](#)

### [Damper Actuator From Belimo](#)

DANBURY, Conn.—Belimo Americas introduces the TF24-MFT US spring return damper actuator. It uses the company's Multi-Function Technology (MFT), which allows programming at the factory or in the field. Parameters that can be programmed include

input and feedback voltage range, running time, and a variety of control signal platforms including proportional, floating point, pulse width modulation, and on-off.

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#### **Dehumidification Coils From MSP**

CENTERPORT, N.Y.—MSP® offers a line of wraparound dehumidifying coils for use in air-handling systems. The coils are designed to produce dew points as low as 38°F (3°C), and to convert more than 90% of their cooling energy to latent heat energy. Chilled water and DX models are available in capacities of 25,000 cfm (12 000 L/s) and higher.

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#### **Project Management Software From Meridian**

FOLSOM, Calif.—Meridian Systems announces the release of Prolog® 2008 construction project management software. It features a configurable user interface designed to be similar to Microsoft Outlook. The software also has enhanced viewing and editing functions, including compatibility with various versions of MasterFormat.

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### **Subscription Management**

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