



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

Daikin Said to be Negotiating to Buy Goodman

OSAKA, Japan—Daikin Industries, Japan's largest air-conditioner manufacturer, reportedly is in talks to buy Goodman Global from buyout firm Hellman & Friedman to expand its U.S. presence. According to news reports, Hellman & Friedman is negotiating a revised proposal after rejecting a bid of about 300 billion yen (\$3.6 billion) from Daikin. Houston-based Goodman says that it is the second-largest U.S. maker of residential and light commercial air-conditioning products, based on unit sales. Daikin Chairman Noriyuki Inoue recently said "If you want to be number one in the world, you've got to be a major player in the U.S."

Qatar's Cool Stadium Key to World Cup Win

LONDON—An open-air stadium that uses solar energy to keep players and spectators cool was the highlight of Qatar's recent winning bid to host the 2022 World Cup. The innovative cooling system is driven by superhot water and rotating solar mirrors, with absorption chillers creating a vacuum-based refrigeration cycle. During the soccer governing body's visit to a model stadium, the temperature was 23°C (73°F) on the pitch. Outside the stadium, it was 44°C (111°F).

Skyscraper Boom in China Buoying Global Industry

SHANGHAI, China—Financial gloom has derailed plans for new towers in Chicago, Moscow and other cities. However, in China, work on the 2,074 ft (632 m) Shanghai Tower and dozens of other tall buildings is rapidly moving ahead. China has six of the world's 15 tallest buildings; the United States has three. The U.S. high-rise market is "pretty much dead," said a managing director for the U.S.-based architectural firm that designed the Shanghai Tower. "For us, China in the next 10 to 15 years is going to be a huge market."

ASHRAE News

189.1 User's Manual Helps Professionals Apply Standard

The newly published User's Manual for ANSI/ASHRAE/USGBC/IES Standard 189.1-2009, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings*, provides explanations of the standard's requirements and examples of its application. It includes sample calculations, forms to demonstrate compliance and references to helpful resources and websites.

Feature of the Week

Optimizing Chilled Water Plant Control

By **Mark Hydeman, P.E.**, Fellow ASHRAE; and **Guo Zhou**, Associate Member ASHRAE
Water-cooled chilled water plants use a significant amount of energy in typical

NEW
Carbon
Dioxide &
Temperature
Transmitter



GMW116

For product
specifications
or more
information:

[Click here](#)

VAISALA

AHR EXPO
Jan. 31 - Feb. 2
2011
LAS VEGAS
ahrexpo.com

commercial buildings. They account for between 10% and 20% of the overall facilities usage and serve roughly one-third of the commercial floor space. This article presents a parametric analysis technique to optimize the control sequences of chilled water plants that has been successfully applied to dozens of projects.

Product News

Building Performance Software From Emerson Climate Technologies

ST. LOUIS—ProAct Software from Emerson Climate Technologies gathers enterprise data into a single tool and provides information for enhancing energy efficiency, better asset management, reducing maintenance costs, and tracking compliance. It provides notification of operational issues, such as equipment failure, excess power consumption and setpoint changes. In retail environments, the software enables users to benchmark store performance across their enterprise and against industry standards.

Liquid Desiccant Air-Conditioning System From Advantix Systems

MIAMI—The DuHybrid liquid desiccant air-conditioning system from Advantix Systems is connected to thermal energy (solar thermal, cogeneration, waste heat, geothermal water) and electricity sources. The system automatically alternates between “green” energy and electricity, operating on the most efficient available energy source. The unit also provides dehumidification and removes airborne microorganisms.

Wall-Mounted Indoor Heat Pump Unit From Mitsubishi Electric

SUWANEE, Ga.—The MSZ-FE18NA wall-mounted indoor heat pump unit from Mitsubishi Electric offers a 27,000 Btu/h (7900 W) capacity for larger applications. The unit provides 100% heating capacity at 5°F (–15°C) and 73% at –13°F (–25°C) via the company's Hyper-Heating INVERTER technology. Other features include a triple filtration system and the company's i-see sensor, which detects temperature variations within a space and makes real-time adjustments to system operations.

Subscription Management

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is an international membership organization founded to advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related issues.

[Privacy Policy and Terms of Use](#) • [Disclaimer](#)

All contents copyright © 2010

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE, Atlanta, GA 30329-2305.

The Only Specialty
Jobs Board for
HVACR Engineers



NOW LIVE!

NEW ASHRAE Online Store

Fast. Easy. Functional.

A new world of HVAC&R
information at your
fingertips.



Click to order.