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[Ultrasonic Air-Leak Detectors: A No-Brainer for Energy Savings](#)

September 13, 2012

Compressed air (CA) systems can represent a large electricity end use—particularly in industrial facilities—and leaks in the CA system can create holes in your bottom line. Ultrasonic air-leak detectors can help catch problems before they become too costly.

Content type: [Research Brief](#) | **Document ID:** [EMN-RB-7](#) | **Author:** [Lee Hamilton](#)

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[LEDs: Attributes and Applications](#)

August 10, 2012

Light-emitting diodes (LEDs) promise high efficiency and long life, but not every application is right for LEDs. This 20-minute video Tech Brief examines the attributes of LEDs, presents the most promising applications, and provides guidance on how to select suitable products.

Content type: [Tech Brief](#) | **Document ID:** [EMN-TB-5](#) | **Author:** [Ira Krepchin](#)

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[EV Charging Stations: A Smart Choice for Your Business?](#)

June 6, 2012

As this 15-minute video Tech Brief explains, the business case for installing electric vehicle charging stations will vary by facility; however, the factors that should be considered in establishing the case will not.

Content type: [Tech Brief](#) | **Document ID:** [EMN-TB-4](#) | **Author:** [Bryan Jungers](#)

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[Boosting the Performance of RTUs](#)

[Converting to Single-Zone VAV](#)

April 13, 2012

Several new retrofit devices are available for single-zone RTU air conditioners, with at least one device demonstrating demand savings of 41 percent and annual energy savings of 52 percent. This video Tech Brief describes how these devices can also monitor unit performance, enabling additional savings. ...

Content type: [Tech Brief](#) | **Document ID:** [EMN-TB-2](#) | **Author:** [Peter Criscione](#)

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Hybrid Ground-Source Heat Pumps

March 20, 2012

Ground-source heat pumps are often prohibitively expensive because they're sized to meet the peak heating or cooling loads for commercial buildings. This video Tech Brief explains how hybrid models downsize the ground heat exchanger and use small supplemental cooling towers or boilers to meet peak load. ...

Content type: Tech Brief | **Document ID:** EMN-TB-1 | **Author:** Mary Horsey

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The Pros and Cons of Induction Lighting

March 15, 2012

What is induction lighting, how does it compare to other light sources, and what are the best applications for it?

Content type: Ask E Source | **Document ID:** CEMC-AskES-16 | **Author:** Ira Krepchin

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What Can ISO 50001 Do for You?

February 28, 2012

The release of a new international energy management standard—ISO 50001—has ramifications for commercial and industrial businesses across North America.

Content type: Research Brief | **Document ID:** CEMC-RB-4 | **Author:** Essie Snell

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Driving Efficiency Action at the Facility Level

December 21, 2011

What are some best practices developed by corporate energy managers to encourage their facility managers to improve the energy performance of their buildings?

Content type: Ask E Source | **Document ID:** CEMC-AskES-12 | **Author:** Mary Horsey

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Interactive Building Dashboards Engage Occupants and Visitors

July 18, 2011

Building dashboards—interactive websites that are displayed in building lobbies and let employees, visitors, and shoppers understand and explore a building's resource consumption and green features—are a new tool for corporate energy managers.

Content type: Research Brief | **Document ID:** CEMC-RB-2 | **Author:** Chelsea Hodge

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New Doors Are Opening for Widespread Economizer Cooling in Data Centers

January 19, 2011

A recent analysis of data center operation by a leading engineer is challenging the widely accepted belief that data centers need tight temperature and humidity control. The study concludes that loosening these controls could translate into as much as a 63 percent savings in cooling energy.

Content type: Research Brief | **Document ID:** TAS-RB-27 | **Author:** Peter Criscione

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Server Virtualization Programs: To Incentivize or Not to Incentivize?

January 10, 2011

Is server virtualization becoming such an accepted practice that it no longer needs to be incentivized? What should we consider free-ridership when it comes to this kind of program?

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Saving Energy in Server Closets

January 6, 2011

What are some good strategies for reducing energy consumption in server closets?

Content type: Ask E Source | **Document ID:** CEMC-AskES-9 | **Author:** Essie Snell

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Workin' at the Car Wash (to Save Energy)

July 28, 2010

What are some effective ways to save energy in automatic car washes?

Content type: Ask E Source | **Document ID:** TAS-AskES-21 | **Author:** Essie Snell

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Energy Consumption Metrics

April 6, 2010

In addition to Btu per square foot per year, what metrics are typically used to track energy use and performance for different types of businesses?

Content type: Ask E Source | **Document ID:** BMS-AskES-7 | **Author:** Essie Snell

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Savings from a Compressed Work Week

June 19, 2009

Can you save energy in a building by switching to a compressed work week, such as a 4-day, 10-hours-per-day schedule?

Content type: Ask E Source | **Document ID:** TAS-AskES-3 | **Author:** John Sustar

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Small Business Efficiency Program Incentives

March 20, 2009

We are designing an incentive program that will promote energy efficiency to small businesses. What technologies are typically included? Specifically, we would like to include a broad range of low- and no-cost upgrades because small businesses are typically capital-constrained.

Content type: Ask E Source | **Document ID:** SMB-AskES-5b | **Author:** Alexandra Behringer and Kim Knox

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Federal Incentives for Green Transportation

February 1, 2009

Are there any vehicle-related incentives provided by the U.S. Energy Improvement and Efficiency Act of 2008 (EIEA 2008) that are relevant to small and midsize businesses?

Content type: Ask E Source | **Document ID:** SMB-AskES-4b | **Author:** Yuki Iida

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Effective Small Business Lighting Programs

May 1, 2008

We are planning to launch a lighting audit program for small businesses soon. How can we drive the uptake of small business lighting audits and increase the conversion rate once they have received an audit?

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Lighting Programs for Leased Spaces

May 1, 2008

The problem with leased space is that although tenants pay for their electricity use, they do not have a long-term stake in the building; and owners don't pay the electric bills. Are there any creative programs to encourage the installation of energy-efficient lighting in this situation?

Content type: Ask E Source | **Document ID:** SMB-AskES-3b | **Author:** Alexandra Behringer

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New Opportunities for Midsize Cogeneration

October 1, 2003

This report shines some light on when midsize (200 kW to 5 MW) applications of combined heating and power in industrial, commercial, or institutional facilities deserve a closer look. It will also help guide energy managers through a screening process to separate out promising projects from likely losers ...

Content type: ESCD Report, Research, Service Report | **Document ID:** CEMC-5 | **Author:** Neil Kolwey, Arthur Venables

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UV Lighting: A Killer Application

October 1, 2002

Toxic mold and bioterrorism scares have recently brought high-profile public attention to indoor air quality (IAQ) concerns. HVAC systems often contribute to the spread of airborne contaminants such as fungus, bacteria, or even viruses present in buildings. Studies have shown that shortwave ultraviolet ...

Content type: Focus Report, Research | **Document ID:** LC-F-2 | **Author:** Kenneth Black, Gwen Farnsworth

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Power Quality Products and Services for Small Business Customers

May 1, 2002

In the push to develop products and services for the small business market, utilities and energy service companies are giving fresh attention to power quality and reliability offers. Surge suppressors and arrestors, uninterruptible power supplies, and surge insurance are among the more popular recent ...

Content type: Focus Report, Research | **Document ID:** SB-F-2 | **Author:** Tertia Speiser

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