

# Press Release

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## **Danfoss Recognizes Smardt Chiller Group with 2012 EnVisioneer of Year Award**

*Winning application incorporates Danfoss Turboacor compressors to  
improve efficiency and reduce emissions*

ORLANDO, Fla. — [Danfoss](http://www.danfoss.us), a leading manufacturer of high-efficiency electronic and mechanical components and controls for air-conditioning, heating, refrigeration and motion systems, announced today that [Smardt Chiller Group Inc.](http://www.smardt.com), headquartered in Montreal, Can., is the winner of the third annual [EnVisioneer of the Year](http://www.envisioneer.com) award competition. Danfoss made the announcement at the Alliance to Save Energy's 2012 [Energy Efficiency Global Forum](http://www.energyefficiencyglobalforum.com) (EE Global) in Orlando, Fla.

Smardt, the world's largest manufacturer of oil-free centrifugal chillers, installed three 560-ton water-cooled chillers integrated with Kiltech controls at the Goodyear, Ariz., manufacturing facility of [Sub-Zero](http://www.subzero.com), manufacturer of high-end refrigeration equipment. The chiller plant provides chilled water for the entire 452,000-square-foot facility and includes six variable-speed water pumps and three cooling towers.

Each Smardt chiller is equipped with four [Danfoss Turbocor](#) oil-free compressors. The unique chiller plant control package uses a custom-made algorithm that models the energy consumption of the chillers and associated devices, optimizing their sequence of operation and delivering a total plant performance equal to or better than 0.5 kW per ton of cooling load.

The use of Smardt and Danfoss Turbocor oil-free technology associated with all-variable speed plant optimization control results in a chiller plant that is 61 percent more efficient than a plant that uses oil-lubricated screw chillers. For Sub-Zero, the chiller plant represents annual savings of 3,033,280 kWh, or approximately \$371,700 (factoring in inflation). Less energy consumption means the Sub-Zero chiller plant also reduced its annual carbon dioxide emissions by 3,697,568 pounds when compared to a conventional chiller plant.

“It’s always exciting for us to recognize a Danfoss customer that has incorporated our products in solutions that achieve significant energy savings while reducing a company’s carbon footprint,” said John Galyen, president of Danfoss North America. “The results of the Smardt solution underscore the benefits of oil-free compressor technology even as they demonstrate the positive impact that existing technology continues to have in the marketplace today.”

To recognize Smardt’s achievement, Galyen presented Richard Taft, general manager, North America at Smardt, Inc., with the award at the EE Global [Virtual Podium](#).

Launched in 2010, the EnVisioneer of the Year award competition

recognizes North American end users, building owners and original equipment manufacturers (OEMs) that have introduced a new product, opened a new facility or invested in a building or system upgrade in the past 18 months using Danfoss products or solutions to realize significant energy and/or environmental savings.

For more information about the EnVisioneer of the Year competition, please visit [www.envisioneering.danfoss.com/competition](http://www.envisioneering.danfoss.com/competition) or contact Lisa Tryson, director, corporate communications and public relations, at [LisaTryson@danfoss.com](mailto:LisaTryson@danfoss.com) or 410-513-1142.

**About Danfoss:**

*Danfoss is one of the world's leading manufacturers of high efficiency electronic and mechanical components and controls for air-conditioning, heating, refrigeration and motion systems. We operate in more than 100 countries, employ 25,740 people, and hold more than 1,800 patents on a wide range of products. Our innovative, reliable products are backed by local sales and support to help our customers solve their greatest challenges. With its visionary and committed employees, Danfoss meets the needs of its customers through its EnVisioneering<sup>SM</sup> partnerships. EnVisioneering focuses on developing new technologies for sustainable business growth through engineering innovation, energy efficiency and environmental responsibility. For more information about Danfoss, visit: [www.danfoss.us](http://www.danfoss.us). For more information about EnVisioneering, visit: [www.envisioneering.danfoss.com](http://www.envisioneering.danfoss.com).*

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Related Links

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<http://www.danfoss.us>

Energy Efficiency Global Forum  
<http://www.eeglobalforum.org>

Smardt Chiller Group Inc.  
<http://www.smaridt.com/>

EnVisioneer of the Year Award:  
<http://www.envisioneering.danfoss.com/competition>

Sub-Zero:  
<http://www.subzero-wolf.com/>

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