



Ingersoll Rand's Commitment to Energy Efficiency Shines at the 2011 Solar Decathlon

Purdue University's INhome model is part of the U.S. Department of Energy's international competition in Washington, D.C.

Indianapolis, Ind., September 20, 2011 – [Ingersoll-Rand plc \(NYSE:IR\)](#), a world leader in creating and sustaining safe, comfortable and efficient environments, this week proudly supports [Purdue University's](#) home design entry in the [U.S. Department of Energy's Solar Decathlon 2011](#) on the National Mall in Washington, D.C.

[Purdue University's INhome](#) solar house – which is short for Indiana home – is a fully functional, yet practical, net-zero energy home designed for a typical Midwestern consumer in today's cost-competitive residential market. Net-zero energy means the house is required to produce as much energy independently as is required for the occupants to live in it.

Supported in part by a \$150,000 donation from Ingersoll Rand Residential Solutions and the Ingersoll Rand Foundation, the house was constructed on Purdue University's campus and will be open to the public during the 2011 Solar Decathlon event from September 23 to October 2 in Washington, D.C.

The Solar Decathlon began in 2002 and challenges competitive collegiate teams from around the world to design, build and operate solar-powered houses that are cost effective, energy-efficient and attractive. The program is intended to educate students and the general public about innovative options for building sustainable communities and how today's technologies can deliver significant energy efficiency.

"The innovative vision of the Purdue University team made Ingersoll Rand an ideal business partner and sponsor for their 2011 Solar Decathlon entry," said Gary Michel, president of Residential Solutions at Ingersoll Rand. "We are proud to support this team in its endeavor to showcase what is possible with solar-powered living and sustainable design, without sacrificing modern comforts, amenities or the environment."

Along with providing financial support and engineering consultation for the construction of the [Purdue University home](#), Ingersoll Rand's sponsorship offered a range of portfolio products, including:

- Heating, Ventilating and Air Conditioning products that include an ultra-efficient Trane XL20i heat pump, and an award-winning, newly-designed air handler called Trane Hyperion. The house entry also includes an energy recovery ventilator and the Trane CleanEffects whole-house air filtration system.
- Schlage LiNK home management system with the new Trane ComfortLink II Control.
- Club Car Precedent i2 golf car with solar canopy for the team to use as transport during the construction.
- Ingersoll Rand twin-stack reciprocating air compressor to power the tools used in the construction of the house.

The entries for the 2011 Solar Decathlon will be rated on a set of criteria that contribute to sustainable living, including architecture, market appeal, engineering, communications, affordability, comfort zone, hot water, appliances, home entertainment and energy balance. All homes must be designed to have net-zero energy consumption.

Following the 2011 Solar Decathlon event, [the Purdue University home](#) will be donated to a nonprofit organization in the local West Lafayette, Ind. community.

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