



News Release



FOR IMMEDIATE RELEASE

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Trane Introduces TCPA* Software Assessment Tool for Quick and Easy Evaluation of the Chilled Water System

Brussels, Belgium, 08 October, 2013 – Building owners and operators are continuously looking to optimize their building systems and achieve energy and cost savings. They require clear, concrete information to evaluate various solutions to improve system efficiency and make an informed investment decision.

To meet this need, [Trane](#), a leading global provider of indoor comfort solutions and services and a brand of [Ingersoll Rand](#), developed the enhanced Trane Chiller Plant Analyser (TCPA*) software assessment tool for quick evaluation of potential energy-saving solutions and return on investment (ROI) for existing chilled water systems.

The TCPA* tool has been developed by Trane based on 100 years of heating, ventilation and air-conditioning (HVAC) expertise in system design and operation. The comprehensive assessment tool provides detailed information about existing chilled water systems. Through a comparison evaluation, the tool suggests an energy efficient solution that meets a customer's key performance targets and payback expectations.

“Building owners and operators have been looking for ways to optimize their cooling system and achieve long-term energy and cost savings, which previously often meant a costly and time-intensive process to evaluate the chilled water system,” said Luc Onockx, business leader of turnkey solutions for Trane in Europe, the Middle East, India and Africa. “With the TCPA* tool, Trane engineers can quickly simulate various solutions and illustrate the potential savings while providing a budget price that takes into account the customer's country.”

The TCPA* tool is able to work with a minimum of available data and makes assumptions based on a century of Trane application and project expertise when certain data points are missing. This eliminates the need for time-consuming site based audits. The assessment tool simulates the various pre-engineered solutions for the chilled water system and illustrates the potential energy savings.

The software tool also calculates the breakdown of the electrical consumption of different components in a chilled water system and determines the overall coefficient of performance (COP) of the complete system. This enables solutions to be compared, not only on their energy consumption in kWh, but also on how they impact the efficiency of the whole chilled water system.

TCPA* quickly generates a credible report that benchmarks the existing system detailing the proposed solutions and illustrating the energy savings together with a ROI and a country specific budget proposal for the scope of work. The tool enables customers to quickly evaluate their chilled water system and determine an optimization strategy.

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Trane Introduces TCPA* Software Assessment Tool for Quick and Reliable Evaluations of the Chilled Water System- 2

Trane Boost, a cooling system optimization program, uses TCPA* to evaluate the energy-saving solutions for HVAC chilled water systems and illustrate the return on investment.

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Trane Celebrates 100 Years

Founded in 1913 by James Trane and his son Reuben, Trane has a long history of industry-defining innovations for heating, ventilation and air conditioning systems. It is a leading provider of indoor comfort solutions and services and a brand of Ingersoll Rand. Celebrating its centennial this year, Trane continues to develop innovations in high performance building technologies, operating practices and intelligent building services that will create better, healthier, more comfortable and more productive indoor environments in the years to come.

About Ingersoll Rand

Ingersoll Rand (NYSE:IR) advances the quality of life by creating and sustaining safe, comfortable and efficient environments. Our people and our family of brands—including [Club Car®](#), [Ingersoll Rand®](#), [Schlage®](#), [Thermo King®](#) and [Trane®](#)—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; secure homes and commercial properties; and increase industrial productivity and efficiency. Trane solutions optimize indoor environments with a broad portfolio of energy efficient heating, ventilation and air conditioning systems, building and contracting services, parts support and advanced control. Ingersoll Rand is a \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit ingersollrand.com or trane.com.

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