



FOR IMMEDIATE RELEASE

Contact:

Tin Geysels

+32.486.30.20.88, tin.geysels@fullstopcc.com

Joan Schimml

+1.651.260.4983, joan.schimml@trane.com

Trane Power Factor Correction Reduces Chilled Water System Energy Costs

New Trane Care™ service maximizes power quality and system distribution capacity

Brussels, Belgium, September 28, 2011 – For building owners, it pays to optimize their heating, ventilating and air conditioning (HVAC) systems' power factor. Utility companies often use this indicator of power consumption efficiency to penalize buildings with poor power quality.

Trane, a leading global provider of indoor comfort systems and solutions and a brand of Ingersoll Rand, now offers Power Factor Correction to optimize the energy performance of chilled water systems. The new service allows building owners to achieve significant and immediate cost savings.

A building with a power factor close to 1.0 uses the power fed into its system by the utility company with maximum efficiency. However, inductive loads such as HVAC compressors and motors with low power factor can increase the reactive or non-working power considerably. As a result, utility companies must supply surplus current to the building, for which they often charge extra fees.

Trane Power Factor Correction brings the power factor of chilled water systems closer to 0.95, minimizing building owners' risk of having to pay utility penalties and surcharges. Operational benefits include lower reactive power and associated energy costs. As a result, the energy costs of chilled water systems decrease by up to eight percent. In most cases, return on investment is achieved in less than two years.

Power Factor Correction improves the power distribution efficiency of the chilled water system, increasing branch capacity through the reduction of power losses. Even a power factor correction of 0.1 will improve available real power by up to 14 percent.

By maximizing energy distribution efficiency of the chilled water system, Trane Power Factor Correction enables building owners to meet local and international environmental and energy standards, without having to reduce the available working power.

A higher power factor also contributes to system reliability. It minimizes voltage drops and offers better power quality, reducing the risk of overheating and premature failure of motors.

"As utility costs continue to rise, our goal is to help our customers manage and lower their energy expenses, said Jose Laloggia, service and parts leader for the Trane commercial business in Europe, Middle East, India and Africa. "Trane Power Factor Correction helps building owners optimize the power quality and system distribution capacity of their chilled water system, improving HVAC energy performance as well as their bottom line."

– more –

Trane Power Factor Correction - 2

The capacitor is mounted directly onto the chiller with adapted brackets. Only one capacitor panel is needed for each chiller, irrespective of the number of compressors or fans.

Trane Power Factor Correction is part of the Trane Care™ customized service solutions that offer predictive and preventive maintenance, management, monitoring, repair, retrofit, optimization, renewal and enhancement services for HVAC products and systems to improve efficiency, reliability and cost of ownership.

#

About Ingersoll Rand

Ingersoll Rand (NYSE:IR) is a world leader in creating and sustaining safe, comfortable and efficient environments in commercial, residential and industrial markets. Our people and our family of brands — including Club Car®, Hussmann®, 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, ventilating and air conditioning systems, building and contracting services, parts support and advanced control. Ingersoll Rand is a \$14 billion global business committed to sustainable business practices within our company and for our customers. For more information, visit www.ingersollrand.com or www.trane.com.