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Trane Showcases New Technologies and Services at AHR Expo That Transform the Future of Building and Energy Management

Las Vegas, Jan. 29, 2017 — Trane®, a leading global provider of indoor comfort systems and services and a brand of Ingersoll Rand, will showcase and speak about new commercial and residential heating, ventilation and air conditioning (HVAC) and energy management solutions at booth C3106 at the [AHR Expo](#), Jan. 29 – Feb. 1 in Las Vegas. The theme for the Trane booth is “Beyond Tomorrow.”

“Trane provides industry-leading technology and services that make buildings operate smarter and healthier,” said Didier Teirlinck, executive vice president, Climate segment at Ingersoll Rand. “Show participants will learn about the transformational solutions that Trane is introducing to improve the operational and energy efficiency of homes and buildings.”

At the Trane booth, AHR participants can attend presentations (via rotating schedule) on “Connected Buildings,” “Energy Efficiency and Sustainability” and “HVAC System Design for Commercial Applications.” Participants will also experience the latest advancements in HVAC systems and services, and experience the technology that connects these components to ensure a building remains at peak performance. This includes:

Connected Solutions and Building Optimization Solutions

“Building managers are facing the reality of budget constraints, changing regulations and shifting occupant expectations,” said Jason Bingham, vice president, energy services and controls, Trane. “Making the right facility investments is critical. Facility managers can leverage Trane’s connected buildings approach to deliver outcomes that matter for their responsibilities and their business.”

With **Trane Air-Fi™ wireless technology** building managers can bring maximum flexibility to their building automation system. Wireless technology from Trane replaces the wired communication link needed for the building controls system and easily integrates multiple building system devices, allowing building owners to reconfigure spaces as technology and building needs evolve.

New **Trane Tracer® Ensemble™ building management systems** provide an enterprise-wide view into multiple building control systems. An enhanced user interface makes advanced system control fast and easy. New capabilities offer business advantages for both building owners and their tenants.

Trane Intelligent Services provides a complete building energy management system that is tailored to every building’s needs — delivering improved building performance, sustainable operations and reduced operating costs.

Energy Efficiency and Sustainability Solutions

“Energy consumption has become one of the world’s most pressing challenges,” said Manlio Valdes, vice president, product management and marketing, Trane. “Since HVAC is one of the largest contributors to energy use in buildings, Trane is leading the way with energy-efficient systems, technologies and innovations that lower environmental impacts through sustainable HVAC solutions.”



Trane Series S™ CenTraVac™ chiller portfolio has expanded to include the CVHM model. This expansion includes the industry's most efficient chiller (both full and part load) as well as a small footprint and lowest sound levels in the industry. The Series S line of chillers is part of the Ingersoll Rand EcoWise™ portfolio, designed for high-efficiency operation and lower environmental impacts with next-generation, low-global warming potential (GWP) refrigerants. The Series S offering is available with either R-123 or R-514A.

Trane Precedent™ Light-Commercial rooftop units with eFlex™ technology now include 6 – 10 ton sizes. Trane has a complete line of ultra-high energy-efficient, light-commercial packaged rooftop units (3 – 17.5 tons). Trane eFlex variable-speed compressors and fans precisely match output to the cooling demands of the space — delivering the performance building occupants need and the efficiency building owners want.

Commercial Building System Design

Trane Foundation™ Light-Commercial rooftop unit portfolio now includes a 3 – 5 ton offering and features a product footprint commonly found in replacement applications. The portfolio provides expanded options for replacement applications. Foundation rooftop units offer customers performance, efficiency, reliability and value in an offering that meets their budget and bottom line.

Trane® Performance Climate Changer™ air handlers now offer greater flexibility to precisely meet varying application requirements. They are energy efficient, offer exceptional thermal performance and enhanced indoor air and acoustics quality options.

Residential Building System Design

“Both contractors and homeowners expect Trane to design reliable systems where they don't have to sacrifice comfort for efficiency,” said Gary Michel, senior vice president and president of Residential Heating, Ventilation and Air Conditioning and Supply. “We provide a range of Energy-Star-qualified products that deliver more energy-efficient heating and cooling options for consumers.”

This includes the redesigned **S9V2 furnace** and top-of-line Trane TruComfort™ **XV20i Variable Speed system**. Trane TruComfort variable speed systems offer maximum comfort with the greatest efficiency. The TruComfort™ heat pump performs at up to 21 SEER efficiency, up to 10 HSPF with today's existing refrigerant, and offers advanced temperature control, lower humidity, reduced sound and enhanced filtration options.

A Trane XV20i variable speed system concept unit designed to run Opteon™ XL55 (R-452B) will be on display, a more efficient alternative to R-410A, demonstrating that homeowners can be comfortable and efficient.

The **S9V2 furnace** platform offers some of the highest SEER and AFUE ratings in the industry, providing buyers with opportunities for savings on their energy bills. It features an industry-first integrated furnace control board that allows faster setups and more intuitive diagnostics; a Vortica® II blower that quietly delivers improved airflow; stainless-steel primary and secondary heat exchangers that are more durable and corrosion-resistant than aluminized steel; and a three-way poise feature (up, left or right) and dedicated downflow with multiple venting options in each poise, for installation flexibility.



News Release

Trane thermostats and smart controls offer comfort on command by communicating with the home's HVAC system. The new **ComfortLink™ II XL1050 Control** offers Wi-Fi or Ethernet connectivity, a built-in Nexia Bridge and connection to over 500 Z-Wave devices from more than 80 manufacturers.

For more information on what Trane will be featuring and to access the AHR media kit, visit Trane.com/AHR2017.

Ingersoll Rand Climate Commitment

Ingersoll Rand made a commitment to significantly reduce GHG emissions from its products and operations by 2030. The company's Climate Commitment pledges to:

- Cut the refrigerant GHG footprint of its products by 50 percent by 2020 and incorporate lower global warming potential (GWP) alternatives across its portfolio by 2030;
- Invest \$500 million in product-related research and development over the next five years to fund the long-term reduction of GHG emissions; and
- Reduce company operations-related GHG emissions by 35 percent by 2020.

The commitment has supported the avoidance of approximately 2 million metric tons of CO₂e globally, which is the equivalent of avoiding annual CO₂ emissions from energy used in more than 270,000 homes or more than 2.1 billion pounds of coal burned.

In support of the commitment, Ingersoll Rand launched EcoWise™, a portfolio of products designed to lower environmental impact with next-generation, low-global warming potential refrigerants and high efficiency operation. By 2030, the company expects to reduce its carbon footprint by 50 million metric tons.

As the company continues to execute upon its Climate Commitment, it will advance high-performance, low-GWP solutions for its customers, and will continue to measure and reduce the carbon footprint of its facilities and fleet. These solutions will continue to match the Ingersoll Rand legacy of efficient, reliable and sustainable innovations that delight the marketplace and exceed expectations.

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About Ingersoll Rand and Trane

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands — including [Club Car®](#), [Ingersoll Rand®](#), [Thermo King®](#) and [Trane®](#) — work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results. 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. For more information, visit www.ingersollrand.com or www.trane.com.

AHR Exposition details

The 2017 AHR Expo, the world's largest HVACR marketplace, will be held Jan. 30 – Feb. 1 at the Las Vegas Convention Center in Las Vegas. The show will feature 465,000-square-foot of exhibits from more than 2,000 companies representing all segments of the heating, ventilation, air conditioning and refrigeration industry. The AHR Expo is co-sponsored by ASHRAE and AHRI, and is held concurrently with ASHRAE's Winter Conference.