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Ingersoll Rand Joins TERI for World Sustainable Development Summit 2018

- *Randal Newton, vice president, enterprise engineering reiterates company's commitment to significantly reduce greenhouse gas (GHG) emissions from its products and operations by 2030, shares advancements in innovation for sustainable solutions*
- *'Affordable and Efficient Cooling: Maximizing Climate Benefits with Refrigerant Change' at the core of the discussion*

New Delhi, India, February 15, 2018: Ingersoll Rand (NYSE:IR), a world leader in creating comfortable, sustainable and efficient environments, joined leaders from around the world at the TERI Annual [World Sustainable Development Summit \(WSDS\)](#), February 15-17, in New Delhi. Ingersoll Rand, as a co-associate partner of the Summit, led the thematic track **"Affordable and Efficient Cooling: Maximizing Climate Benefits with Refrigerant Change."**

This thematic track focused on understanding and finalizing the modalities for addressing issues of climate change and how energy efficiency could play a pivotal role in slowing the aftereffects.

Randal Newton, vice president of enterprise engineering for Ingersoll Rand, joined experts from environment, energy and sustainability services on the panel, to share views on how to address the demand for cooling (air conditioning) through better designs for buildings, enhancing energy efficiency of air conditioning equipment and systems, and implementing next generation refrigerants that have lower global warming potential without compromising safety, efficiency or performance.

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“As the Sustainable Development Goals (SDGs) move from pledge to practice, companies like Ingersoll Rand are making bold climate commitments to increase innovation and offer customers choices for how to reduce their greenhouse gas footprint,” said **Randal Newton**. “We have been offering heating and air conditioning systems that are highly efficient and use next generation, low GWP refrigerants. There are numerous factors when selecting refrigerants including safety, efficiency, performance and cost as well as environmental impact – all of which need to be addressed as choices are made.”

Other speakers and lead discussants included Shri Gyanesh Bharti, Joint Secretary MoEFCC, Dr. Hussamuddin Admadzai, Senior Advisor, Swedish EPA, Shri Saurabh Kumar, Managing Director, EESL and Dr. Ajay Mathur, TERI.

Dr Ajay Mathur, Director General, The Energy and Resource Institute (TERI) also shared, his thoughts, "The simultaneous adoption of high efficiency compressors and low-GWP refrigerants provides cost savings benefits to both users and manufacturers in the short term, and environmental benefits to the world in the mid and long term." He added, "I don't think it's possible to get a better aligned set of incentives - we now need to get the transition underway"

The panel also shared global best practices that India can learn from and discussed the key challenges around operationalizing energy efficiency within the Montreal Protocol as well as concerns around the future refrigerants, capital and operating costs, R&D capacities and adequacy of skills. Additionally, the panel shared insights on various efficiency gaps existing in India and how best to solve them by marrying innovative product designs, smart refrigerants and efficient building designs. Furthermore, the panelists agreed on the importance of ensuring that industry players and governments work together to decrease the time lag associated with getting regulations and policies in place and the need for quicker turnaround time.

Ingersoll Rand Climate Commitment

In 2014, Ingersoll Rand announced its Climate Commitment to reduce greenhouse gas (GHG) emissions from its products and operations by 2030. The Ingersoll Rand Climate Commitment pledges to:

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

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To date, the company's Climate 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. By 2030, the company expects to reduce its carbon footprint by 50 million metric tons.

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About Randal Newton

Randal Newton is the vice president of Enterprise Engineering at Ingersoll Rand. In this role, Newton is responsible for leading refrigerant technology strategy for Ingersoll Rand and managing four Ingersoll Rand Engineering and Technology Centers globally, including centers in Bangalore and Chennai, India, Shanghai, China and Prague, Czech Republic. Newton has more than 30 years of experience with increasing responsibility in the heating, ventilation, and air conditioning (HVAC) industry. Previously Newton was the vice president of global engineering for the Trane and Thermo King, brands of Ingersoll Rand, where he was responsible for developing new technologies, products and applications. He has more than 30 years of experience with Trane, including leadership positions in operations, quality, product management, product planning and engineering. Newton has a bachelor's degree in mechanical engineering for the University of Wisconsin – Madison and a master's degree in business administration from the University of Wisconsin – La Crosse. He is a longtime member of ASHRAE.

About Ingersoll Rand

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 \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit www.ingersollrand.com.

About Ingersoll Rand in India

Ingersoll Rand is committed to India and is implementing strategies for product innovation and design for Industrial Technologies; Food Safety; Energy Efficiency and Sustainability. The company is based out of 21 locations in the country. Ingersoll Rand believes that Innovation for emerging economies is critical for products to succeed in these markets. The company has two world class manufacturing facilities at Naroda and Sahibabad; and Engineering and Technology Centers at Bangalore and Chennai. Ingersoll–Rand (India) Limited is listed on the National Stock Exchange of India and the Bombay Stock Exchange. For more information, visit www.ingersollrand.co.in.

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