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Baxter Manufacturing Facility in Sabiñanigo Significantly Lowers Energy Use and Improves Comfort

Leader in healthcare earns Trane “Energy Efficiency Leader Award”

Sabiñanigo, Spain, September 24, 2012 – Leaders at Baxter, a global, diversified healthcare company, have completed energy-saving infrastructure upgrades that they expect will reduce energy use within its Spanish manufacturing facility an average of 35 percent per year. The energy-efficient systems and solutions have also helped the plant to cut its annual carbon emissions by approximately 450,000 kilograms of carbon dioxide (CO₂). This is equivalent to planting 2,260 trees each year.

To recognize the company’s environmental stewardship and commitment to improving building performance and sustainability, Trane, a leading global provider of indoor comfort systems and services and a brand of Ingersoll Rand, is presenting Baxter with its “Energy Efficiency Leader Award.”

Details of the award presentation:

- Baxter will be recognized at an award presentation that will take place at 12:00 (Noon) on September 25, 2012
- Michel van Roozendaal, vice president of Trane and Thermo King in the Europe, Middle East, India and Africa region for Ingersoll Rand, will present the award to Santiago Castán, general manager for the Baxter Sabiñanigo plant.

“Environmental stewardship has been central to Baxter for more than three decades,” said Santiago Castán. “By 2015, we are committed to reducing our global greenhouse gas emissions from operations by 45 percent — indexed to revenue — compared to 2005. Our plant in Sabiñanigo reflects our corporate commitment and the selected system upgrades are part of various energy efficient initiatives realized in recent years.”

Baxter initiated the infrastructure improvements at its Spanish plant in early 2010 to address outdated infrastructure systems, load efficiency challenges, large energy wastes and the need to retrofit the refrigerant R22.

Upgrades were needed because Baxter’s manufacturing facility in Sabiñanigo was wasting energy due to an inefficient and ineffective chiller plant design. Aging infrastructure systems hydraulic imbalance and poor chiller plant control were also creating challenges.

Prior to selecting the infrastructure upgrades, Trane and Baxter used Trace™ 700 energy modeling software to weigh the merits of potential solutions against the current installation. Based on the results, Baxter chose solutions that would best fit their needs and optimize production levels and comfort within the facility.

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Modernization efforts finalized in August 2011 included replacement of the aging chillers with new, energy-efficient units and re-engineering of the chilled water distribution system to improve load profile and guarantee precise temperature control.

A focus on sustainability and energy efficiency resulted in implementation of water-side free cooling that takes advantage of the cooler temperatures at the plant's high altitude to help chill water for the air conditioning system.

The upgraded cooling and air conditioning system currently features three new Trane RTAD chillers, variable frequency drives and static and dynamic hydronic balancing. The system also features a dry cooler, heat exchangers and other energy efficient solutions.

All the solutions are linked and controlled through Tracer Summit™ and Chiller Plant Control automation systems. The plant also committed to a continuous service and maintenance agreement to further reduce system inefficiencies and to prevent unplanned downtime.

Anticipated savings estimates indicate that after modernization, the plant is using 35 percent less energy for cooling, resulting in annual energy savings of approximately €78,000.

The upgrades link the physical environment of the manufacturing facilities to the company's business objectives. This link represents a key step in Baxter's journey to create high performance buildings.

High performance buildings take a whole-building approach to performance while creating spaces that are reliable, safe, healthy and efficient. They meet specific standards for energy and water consumption, system reliability and uptime, environmental compliance, occupant comfort and other factors. All standards are set to deliver established outcomes that help building owners and occupants achieve their business mission.

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About Baxter International Inc.

Baxter International Inc., through its subsidiaries, develops, manufactures and markets products that save and sustain the lives of people with hemophilia, immune disorders, cancer, infectious diseases, kidney disease, trauma and other chronic and acute medical conditions. As a global, diversified healthcare company, Baxter applies a unique combination of expertise in medical devices, pharmaceuticals and biotechnology to create products that advance patient care worldwide.

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, ventilating 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.

Trane High Performance Buildings

Trane creates innovative high performance buildings using unique methodology that combines financial, operating and energy analysis with specialized service offers and available financing. High performance buildings are safe, comfortable and efficient. They meet specific standards for energy and water use, system reliability and uptime, environmental compliance, occupant comfort and safety, and other success factors. High performance buildings help owners and occupants be more productive and achieve their business missions by using design and operating standards that are created, measured and continually validated to deliver

established outcomes within specified tolerances. For more information about high performance buildings, visit www.trane.com/highperformancebuildings.



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