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Alpla Saves Energy, Reduces Operating Costs and Increases Operational Reliability with High-Efficiency Systems and Services

Leading plastic packaging manufacturer earns Trane “Energy Efficiency Leader Award”

Hard, Austria (September 26, 2011) – Alpla, an international leader in the plastic packaging industry, has completed innovative energy-saving infrastructure upgrades and initiated an extensive, global preventive maintenance program that has lowered energy use an average of 14.5 percent per year.

The amount of energy that Alpla has saved is the equivalent of reducing 24,266,000 kilograms of CO₂ (or annual greenhouse emissions) saved by removing 4,758 passenger vehicles from the road.

Alpla increased operational and energy efficiency, sustainability and system reliability by installing high-efficiency systems accompanied by centralized, continuous service. The company also is providing a safer, more comfortable and more productive working environment for more than 12,000 workers located in 134 Alpla manufacturing facilities around the world.

Alpla initiated the infrastructure improvement project in 1998 to address high energy costs and to increase sustainability. Since the upgrades began, improvements have been completed in 115 Alpla manufacturing facilities in all 33 countries in which the plants are located. Improvements included replacing unreliable chilled water systems with high-efficiency chilled water solutions which ensure reliability for the cooling process, critical to the plastic bottle production process.

To recognize Alpla’s 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 the company with its “Energy Efficiency Leader Award.” Alpla is one of only a few manufacturing facilities worldwide to receive this award for its commitment to the journey of becoming a high performance building.

Details of the award presentation:

- Alpla will be recognized at an award presentation that will take place at 12:00 on Sept. 27 at Alpla headquarters, Mockenstrasse 34, A-6971 Hard, Austria.
- Manlio Valdes, president of the Climate Solutions sector (Thermo King and Trane) in the Europe, Middle East, India and Africa region for Ingersoll Rand, will present the award to Martin Stark, engineering director for Alpla.

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The upgrades link the physical environment of the manufacturing facilities to the company's business objectives. This link represents a key step in Alpla'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.

"We consistently implement innovative methods to create optimal production processes, and we are committed to creating a sustainable, energy efficient and productive manufacturing environment for all our facilities," said Stark. "We're pleased that the selected solutions meet our fiscal and environmental objectives while providing a comfortable working environment for all of our employees."

Energy conservation measures provide key reliability, continuously monitor efficiency

The new high-efficiency chilled water systems installed at the company's plants provide critical reliability to ensure consistent cooling of the machines on which plastic bottles are produced. This reliable and highly efficient cooling process is critical for the manufacturing facilities to remain operational because, if the machines became too hot, the entire production process would have to be stopped.

The upgraded Alpla plants currently feature 400 high-efficiency chilled water systems with an average capacity of 500 kilowatts that run 18 hours a day at a minimum 70 percent load. To maximize efficiencies, avoid production losses, decrease costs and centralize system control and monitoring worldwide, 85 chilled water systems at 17 locations are continuously monitored as part of a comprehensive service and maintenance program.

The implemented preventive maintenance program includes advanced techniques, fault detection and diagnostics, better capacity control, greater reliability and increased efficiency for their systems.

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About Alpla Werke Alwin Lehner GmbH&Co KG

Alpla, (Alpla-Werke Alwin Lehner GmbH & Co KG) is a plastic packaging manufacturer based in Hard, Austria, which specializes in extruded blow-molded bottles, PET (PolyEthylene Terephthalate)-Preforms, PET bottles and caps. It is the largest producer of packaging in Europe, with 70 plants on the continent. Alpla's 134 manufacturing plants, located in 37 countries, supply products for industries that include: household goods, personal care, food and beverage, cosmetics, household cleaning and laundry, and oils and lubricants. For more information, visit, www.alpla.com

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.

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.