



News Release



FOR IMMEDIATE RELEASE

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‘State of the Art’ Trane Solution at the Musée d’Orsay Saves Energy, Preserves Art and Ensures Visitor Comfort

Brussels, Belgium, 5 November, 2013 – Musée d’Orsay in Paris, one of the most celebrated and popular visitor sites in France, has conducted infrastructure improvements to reduce energy consumption and operating costs, while increasing sustainability. The need to preserve the sensitive indoor environment crucial to the works of art represented a top priority as did ensuring the comfort and safety of museum visitors and staff.

[Trane](#), a leading global provider of indoor comfort solutions and services and a brand of [Ingersoll Rand](#), fulfilled the expectations of this world-renowned national heritage center and implemented ‘state-of-the-art’ heating, ventilation and air-conditioning (HVAC) system improvements at the Musée d’Orsay building.

Musée d’Orsay and Trane began discussions about the project in 2008. The museum needed a customized system that would fully satisfy its technical and aesthetic needs. With time, the solution went beyond the primary goal of maintaining a suitable indoor environment to preserve the priceless art. The project took into account long-term sustainability and the operational efficiency of the cooling infrastructure.

“We needed a totally reliable partner with an extensive track record who could ensure that our needs were fully satisfied,” said the museum management team of the Musée d’Orsay. “Trane not only met, but exceeded our expectations.”

“From the beginning, along with the requirements of achieving reduction in energy consumption, the scope of the project included preserving the integrity of masterpieces by Monet, Manet, Degas, Renoir, Cézanne, Gauguin and Van Gogh amongst others. And this with no disturbance to the over 3.5 million visitors a year,” said Pierre Cazal, country leader for Trane France.

Extra care was taken to install the customized systems with minimal disruption and ensure the safety of the museum’s artwork. The cooling towers for example, had to be maneuvered between two statues for installation on the roof of this historic Beaux-Arts building.

Infrastructure upgrades at the museum including the replacement of four R22 chillers and cooling towers can deliver higher energy efficiency and reliable performance. The new advanced system includes four Trane RTWD high efficiency chillers and four custom-built cooling towers in stainless steel. The tailored chilled water system has a total cooling capacity of 2.3 MW.

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Trane chiller plant controls with refrigerant monitoring and leak detection further optimize the system. The advanced controls capabilities of the new system make it easy to use, increase system efficiency and will reduce operating costs.

For over 48 months during the entire duration of the project, two Trane expert engineers were dedicated exclusively to the museum. This guaranteed exceptional customer service, detailed knowledge of the application and the highest reactivity.

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About Musée d'Orsay

The national museum of the Musée d'Orsay opened to the public on 9 December, 1986, to show the great diversity of artistic creation in the western world between 1848 and 1914. In the center of Paris on the banks of the Seine, opposite the Tuilleries Gardens, the museum was installed in the former Orsay railway station, built for the Universal Exhibition of 1900. The building itself could be seen as the first "work of art" in the museum.

The Musée d'Orsay displays an impressive collection including paintings, sculptures, objets d'art and photography. It houses amongst others impressionist and post-impressionist masterpieces, by artists including Monet, Manet, Degas, Renoir, Cézanne, Seurat, Sisley, Gauguin and Van Gogh.

For more information, visit: <http://www.musee-orsay.fr>.

Trane Celebrates 100 Years

Founded in 1913 by James Trane and his son Reuben, Trane has a long history of industry-defining innovations for heating, ventilation and air conditioning systems. It is a leading provider of indoor comfort solutions and services and a brand of Ingersoll Rand. Celebrating its centennial this year, Trane continues to develop innovations in high performance building technologies, operating practices and intelligent building services that will create better, healthier, more comfortable and more productive indoor environments in the years to come.

About Ingersoll Rand and Trane

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