

**Trane Technologies China Wins
2022 Outstanding Innovative Leader Award**



Beijing -- [Trane Technologies](#) (NYSE: TT) won the 2022 Outstanding Innovative Leader Award at the 3rd International Quality Festival and the 2022 Global Consumption Leadership Summit on September 1, for its forward-looking exploration and practice in the business and technology fields. This award demonstrates the company's excellence in innovative entrepreneurship and industry leadership.

"We are very honored by this win. As a highly socially responsible and influential enterprise, Trane Technologies has been committed to providing more innovative products, services and solutions that maximize quality and comfort for our customers," said **Daniel Deng, vice president of Corporate Affairs & Communications Asia Pacific**. "With new challenges of the COVID-19 pandemic in recent years, we have innovated our technologies and upgraded our products, such as a new suite of air purification solutions with advanced technologies, and whole-process cold chain solutions for COVID-19 vaccines. This way, we are driven by continuous technology innovation to challenge what's possible for a sustainable world."

As early as 2003, Trane Technologies established the Asia Pacific Engineering and Technology Center (ETC-AP), a world-class laboratory in Taicang, Suzhou, to be part of the company's global practices in product design and R&D, and provide reliable testing support for heating, ventilation, and air conditioning (HVAC) systems and transport temperature control products. After nearly 20 years of development, ETC-AP has more than 400 engineers who collaborate closely with top universities in China in terms of industrial, academic and research innovation. Up to now, the company has obtained more than 500 patents in China, with an average of 50 to 60 new patents registered per year, providing the driving source for its sustainable growth.

With COVID-19 prevention and control becoming the norm in recent years, people have higher requirements for air quality and safety in public places. In 2020, at the beginning of the outbreak, Trane Technologies quickly launched a new suite of air purification solutions using advanced technologies, adding a fourth innovation area of "health" to the three key areas of efficiency, reliability, and environmental protection. Integrating four of its unique innovative technologies - PhotoCatalytic Oxidation (PCO), Ultraviolet Germicidal Irradiation (UVGI), high-voltage electrostatic filtration and negative ion technology, the Trane Air Purification system effectively removes pathogens and particles in the air, helping reduce the spread of airborne diseases such as influenza and protect public safety and health, even in higher risk areas like healthcare facilities. At present, this system has been widely used in many industrial sectors, such as healthcare, education, shopping malls, and cinemas.

In addition to continuously meeting customer needs, Trane Technologies is also largely driven by innovation to achieve sustainability. In the face of exacerbating global climate crisis and extreme weather events, the company has been boldly incorporating the 2030 Sustainability Commitments into every facet of its business operations, including helping its customers reduce one billion metric tons of carbon emissions (equal to 2% of the world's annual emissions), and achieving carbon neutral operations. To this end, Trane Technologies has developed four innovative initiatives, which include: reducing carbon emissions from HVAC and refrigerated transportation at source; promoting and applying low-GWP refrigerants; improving system-level energy efficiency; and accelerating the portfolio transformation towards electrification. Last year, Thermo King, a brand of Trane Technologies, announced it would invest more than \$100 million to deliver an all-electric portfolio of products in every segment of the cold chain by 2023.

Besides, Trane Technologies has also integrated innovative thinking into philanthropic practices. In China, Trane Technologies has dedicated philanthropic efforts to special communities such as AIDS-affected orphans, children with autism, children of migrant workers, and the elderly. Moreover, the company launched the "Change the Future - STEM Education Program" this year to promote STEM education and relevant knowledge among students from primary schools, secondary schools, colleges, and universities. Under this initiative, many more efforts have been made to help these students cultivate their consciousness of innovation and broaden the path for their future development, such as the STEM Talent Challenge, the STEM Classroom launched for rural primary schools in Guizhou, as well as the Female Engineer Scholarship designed for female engineering students.

International Quality Festival, founded in 2020, aims to gather top-class "quality made" brands and display the achievements of quality manufacturing, to explore a path for high-quality development. As an influential and forward-looking annual event in the field of quality and consumption, the 3rd International Quality Festival, with the theme of "Vitality and Energy", brought together many guests including business representatives, investors, media outlets and interdisciplinary players, and tried to stimulate business vitality and energy by identifying new trends of consumption.

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