



For Immediate Release

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Queensway Government Offices Project by Trane-EMSD-HKGBC Honored with Three ASHRAE Awards

Hong Kong, May 13, 2022 — Trane Hong Kong has recently won three ASHRAE Technology Awards conferred by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), in recognition of its chiller retrofitting project involving four new Trane CenTraVac™ chillers at the Queensway Government Offices (QGO). These chillers applied the next-generation refrigerant HFO R514A, and helped QGO save over 30 percent of energy consumption and millions of dollars of operation cost.



"We are honored to receive high recognitions due to the QGO project. These awards demonstrate the competitiveness and outstanding performance of our CenTraVac™ chiller, and recognize our unremitting efforts to drive sustainability. We believe the honor will stimulate our continuous exploration of innovation and sustainable products, to further contribute to 'Hong Kong Climate Action Plan 2030+' and the Paris Agreement." Mr. Frankie Chan, Managing Director of Trane Hong Kong said.

Trane Hong Kong

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12/F, Manhattan Centre, 8 Kwai Cheong Road
Kwai Chung, New Territories
Hong Kong



Stood out from stiff competition

Submitted jointly by Trane Hong Kong, the Electrical and Mechanical Services Department (EMSD), and the Hong Kong Green Building Council (HKGBC), the QGO project stood out from stiff competition.

The project first won the ASHRAE Hong Kong Chapter Technology Award 2021 under the commercial building and existing building commissioning category. Competing with various projects from 10 countries, the project stood out among the rest and won the Second Place Winning Project Award in the ASHRAE XIII Region Level Competition.

The third award, Honorable Mention Project Award won in the ASHRAE Society Level Competition, was competed from many projects of multiple nations from over 14 regions across the globe.

Advancing Sustainability with Innovative Technology

As Trane's flagship product, CenTraVac™ chiller is equipped with Trane's latest innovative technologies and utilizing the next-generation eco-friendly HFO R514A refrigerant, which offers ultra-high efficiency, superior reliability, and many cutting-edge features that can greatly reduce its environmental impact.



Following the commissioning of the newly installed CenTraVac™ chillers at the QGO in 2021, the building's HVAC system has seen a significant increase in operating efficiency, which helped achieve an energy saving of over 30 percent and a carbon emission reduction of over 900 tonnes per year.

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With the incorporation of Building Information Modeling in design and construction and application of advanced energy simulation in planning and commissioning, the QGO project has not only demonstrated many benefits of adopting innovative technologies in chiller plant renovation, but also shown a promising sustainability strategy.

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About Trane

Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit www.trane.com or www.tranetechnologies.com.

About Trane Technologies

Trane Technologies is a global climate innovator. Through our strategic brands Trane® and Thermo King®, and our portfolio of environmentally responsible products and services, we bring efficient and sustainable climate solutions to buildings, homes and transportation. For more information, please visit www.tranetechnologies.com.

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