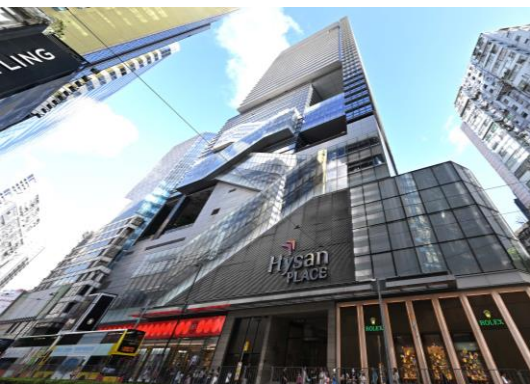


Hysan Place (HK): Eco-Friendly Transformation with Trane CenTraVac® Chiller



Project Highlights

Market: Hong Kong

Segment: Commercial

Products used:

- CenTraVac™ CVHM chiller

Mission

Hysan Place, a premier commercial complex in Causeway Bay, aimed to enhance energy efficiency and sustainability while optimizing tenant and visitor comfort. Recognizing the importance of selecting a solution that align with its sustainability goals and provide long-term value for its stakeholders, Hysan Place sought to achieve these goals: superior comfort, enhanced efficiency, and prioritized sustainability.

Solution

In collaboration with Trane Hong Kong, Hysan Place adopted the award-winning CVHM water-cooled centrifugal chiller, which has received the Green Product Certification – Platinum by the Construction Industry Council.

Trane upgraded the chiller plant with a CVHM chiller, that features a compact design, requiring minimal installation space, and delivers superior energy efficiency.

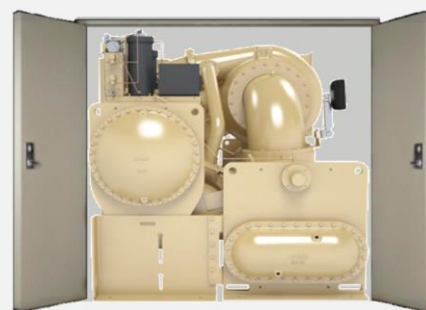
The chiller uses new-generation HFO refrigerant R514A with a negligible global warming potential (GWP) of less than 2, making it the first ultra-low-GWP chiller adopted by Hysan properties.

Result

1. The chiller reduced energy consumption significantly, achieving a full-load COP of 6.53, exceeding the Building Energy Code (BEC) 2021 requirement by 14.6%.
2. The use of R514A refrigerant minimized environmental impact and supported Hysan Place's LEED – Platinum rating.

By adopting Trane's CVHM chiller, Hysan Place achieved enhanced comfort, sustainability, and energy efficiency, setting a benchmark for sustainable cooling solutions in Hong Kong's commercial landscape.

Featured Products



Product name: CenTraVac™ CVHM Water-Cooled Chiller

At a glance:

- Capacity range: 140-380 RT
- Refrigerant: R-514A
- Semi-hermetic compressor design
- Rapid restart after power failure
- Energy saving options such as free cooling, thermal storage, heat recovery, and Adaptive Frequency™ drives
- Compact model – an ideal solution for low-tonnage applications, retrofits, and replacements.



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