

Sustainable cooling solutions: EUROCONTROL Saves Costs and Energy With New Breakthrough Cooling System

CATEGORY:

Data Centres

THE CONTEXT:

EUROCONTROL's air-traffic flow management and data centres require constant cooling for optimal performance and stable operations. Thermal issues account for more than one-third of unplanned data centre outages.

To prevent overheating, Honeywell, EUROCONTROL, and ENGIE Axima collaborated on a new cooling system for EUROCONTROL's data centre.

SUSTAINABLE COOLING SOLUTION:

- The new cooling system is comprised of two Quantum® chillers with unique remote condensers and two water-cooled Quantum chillers, achieving a total refrigeration capacity of 5MW.
- The dual chiller configuration allows for redundancy, with both chillers operating on just 50 percent of their full load capacity.
- The new system uses equipment and service provided by ENGIE Axima and Solstice® ze (R-1234ze) refrigerant supplied by Honeywell. Solstice ze is part of the Honeywell Solstice family that enables customers to reduce their carbon footprint without sacrificing performance. It's based on Honeywell's hydrofluoro-olefin (HFO) technology with a GWP of less than 1.
- By switching from an older, less efficient cooling system to this new ENGIE Axima-Honeywell solution, EUROCONTROL has incorporated technology that is strategically designed to meet its needs over the next two decades and future-proofs it for performance, safety, efficiency and environmental impact.



BENEFITS:

- Designed to bring energy savings and prevent overheating over two decades
- 12+% reduction in annual energy consumption
- € 150,000 saved per year in energy costs
- The cooling system is integrated into the existing building management giving facility managers a complete view of their infrastructure
- 1,500MWh in energy savings and can expect payback in less than 10 years

TOPIC:

- Energy Efficiency
- Refrigerants

GENERAL INFORMATION

NAME OF THE COMPANY: Honeywell

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HYPERLINK TO LEARN MORE ABOUT THE SUSTAINABLE COOLING SOLUTION:

https://www.honeywell-refrigerants.com/europe/?document=solstice-ze_infographic_en&download=1

Honeywell