

# Sustainable cooling solutions:

## World's Largest City Multi Hybrid VRF (HVRF) at the Stand Palace Hotel London

### CATEGORY:

Thermal Comfort

### THE CONTEXT:

The Stand Palace Hotel in London was originally built in 1909 and is one of the landmark hotels in central London. With 785 bedrooms, this iconic building went through a large-scale refurbishment while remaining open for guests, providing controlled comfort and hot water.

### SUSTAINABLE COOLING SOLUTION:

- World's Largest City Multi Hybrid VRF (HVRF )
- Simultaneous heat recovery system providing heating, cooling and hot water
- Operating with water as a heat transfer medium, rather than with a refrigerant, removing the need for leak detection in bedrooms, and allowing for a reduction of up to 40% of refrigerant over a typical VRF system installation

### BENEFITS:

- The modular approach allowed this busy hotel to continue operating throughout the refurbishment, to keep cash flow coming in.
- The new system will reduce operating costs and energy use compared to the previous installation, whilst allowing for greater centralised control.
- One of the most significant advantages is the removal of the need for leak detection equipment in every single hotel room, which not only reduced installation costs significantly, but also reduces annual maintenance costs for the hotel.



### TOPIC:

- Energy Efficiency
- Synergies with Heating
- Heat Recovery
- Service & Maintenance
- Heat Pumps
- Refrigerants
- Building Automation and Control

## GENERAL INFORMATION

**NAME OF THE COMPANY:** Mitsubishi Electric Europe B.V. (UK Branch)

**CONTACT PERSON :**

Philip Ord



**HYPERLINK TO LEARN MORE ABOUT THE SUSTAINABLE COOLING SOLUTION:**

[http://library.mitsubishielectric.co.uk/pdf/book/Strand\\_Palace\\_Hybrid\\_VRF\\_London#page-1](http://library.mitsubishielectric.co.uk/pdf/book/Strand_Palace_Hybrid_VRF_London#page-1)

