

# Air Conditioning

## Case Study

CITYMULTI

Making a  
World of  
Difference

### North Star Hotel, Dublin 1



**CityMulti VRF  
provides  
exceptionally  
efficient heating  
and cooling**

The North Star Hotel is a historic four star hotel located in the heart of Dublin

The newly refurbished 4 star North Star Hotel is superbly located in the heart of Dublin's City Centre. This Dublin Hotel property boasts 160 exceptionally appointed guest rooms and suites offering every amenity to ensure a comfortable and luxurious stay for each guest.

*On evaluating all the air con manufacturers before our decision to give out the contract, we were heavy on design, comfort and, most importantly, energy. We picked Mitsubishi Electric and Eco-cool and they did not let us down" - Jonathan Kirwan, JAK Consulting, Mech Consultant to North Star Hotel*

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ecoCOOL  
Refrigeration & Air Conditioning

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## Installation Summary

- ◆ 5 CityMulti PURY-P350
- ◆ 1 CityMulti PURY-P250
- ◆ 1 AE200 touch screen controller
- ◆ 80 PEFY-P25 ducted indoor units with simplified controls
- ◆ 6 CMB-P1016V BC controllers

CITY MULTI



MITSUBISHI ELECTRIC B.V—IRISH BRANCH  
Westgate Business Park, Ballymount, Dublin 24  
Phone:+ 353 1 419 8800 Fax: +353 1 419 8890



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Dublin's famous financial hub, the IFSC, is located across the street from the newly refurbished and historic North Star Hotel owned by McGettigan Hotel Group.

Working closely with the McGettigan HG Mechanical consultant and Mechanical & Electrical contractor Ecocool set about the task of installing 80 ducted indoor units across the 6 new bedroom floors. Ecocool's brief was simple: to deliver state of the art efficient heat and cooling for all new bedrooms on time and within budget.

Given the age and design of the building there were a number of features which were best satisfied by Mitsubishi Electric's CityMulti VRF solutions.

The CityMulti PURY-P250 and P350 Outdoor Units dynamically optimise the capacity delivery to ensure minimal energy consumption while maximising comfort. The low noise mode and low unit height gives the CityMulti VRF system location installation flexibility which was important in this busy city centre location where space is at a premium.

The PEFY-P25 ducted units are ultraslim models which overcame the issue of the low ceiling void in a building of this age whilst delivering maximum heating and cooling comfort.

Controlling the system is the AE200 which has been uniquely linked to a BMS. An AE200 provides the ability to map energy consumption, visualise individual consumers and compare current consumption data with historical data based on units and/or groups.

*Mitsubishi Electric's and Ecocool's solutions to our extremely difficult build/time restrictions were excellent. We needed to keep the hotel fully functional all through and this was achieved with careful awareness on both sides. They delivered all to perfection. Ecocool and Mitsubishi Electric produced a very high standard of commissioning, staff training and general follow-up. Comfort all the way" - Jonathan Kirwan, JAK Consulting, Mech Consultant to North Star Hotel.*

Ecocool Refrigeration Ltd was founded on the principle of delivering exceptional efficiency in refrigeration. The company's owners have combined experience of over 60 years and continually offer their customers the most up to date technologies as they deliver project after project with the same passion their customers have for their hotels.

