



Majestic Wine maximises energy efficiency at Head Office

Mitsubishi Electric provides an energy efficient solution to one of the UK's largest wine retailers by kitting out its new headquarters with a full air-conditioning and controls package.

Facilities Manager Rachel Homewood explains: "By limiting the temperature range within the meeting and training rooms we have been able to prevent the 'yo-yo' effect which you can get when people are using the rooms intermittently throughout the day".

A major requirement for the project was an air conditioning system that would deliver the ideal environment for staff, whilst giving employees the ability to control the temperature in their workspaces.

Four City Multi heat recovery VRF systems now serve the building, ensuring the needs of the different spaces can be met simultaneously.



Air Conditioning | Heating
Ventilation | Controls



Corporate Solutions



The new system transfers surplus heat from one room to be re-used elsewhere in the building.



Installation Summary

Four heat recovery VRF air conditioning units provide simultaneous heating and cooling to the building, increasing overall energy efficiency.

The smaller meeting rooms use ultra-thin ducted fan coils, which are ideal for locations where low noise is a priority and space is at a minimum.

Case Study

Majestic Wine

Making a World of Difference

This system removes surplus heat from one area and transfers it to another requiring heat (and vice versa). This can increase the energy efficiency of the overall building by up to 30% over conventional systems.

Throughout the building the system is controlled using Mitsubishi Electric simplified remote controllers, giving the facilities team the ability to limit temperature ranges to avoid unnecessary energy wastage.

For Rachel Homewood, the biggest benefit to the new system is the advanced centralised controller that allows her to monitor everything from her desktop.

“Very quickly, I can look at the system and check the programming. In addition I receive auto-alerts if there are faults, and adjustments can be made immediately. So rather than run up to the plant room or down to the electrical cupboard, I can do it all from comfort of my desk”, explains Rachel.

“We received an electricity bill in August and saw a huge spike in consumption in the evening, which we were able to trace back to a piece of the initial programming for the air conditioning which had not been set correctly.

“By readdressing that programming we’ll expect our next bill to come down. We made the required changes at the end of August and I could already see a real drop off in consumption”.

“The other problem we overcame is a lack of understanding of the staff. In the past a member of staff would set the controller to heat mode and then set the temperature to 16°C to cool the room.

This won’t work as the system is fighting itself. It was important therefore to remove the scope for that to happen and educate the staff on how to control the system.”

In order for staff to gain a thorough understanding of the new system, Majestic also enlisted Mitsubishi Electric to provide onsite training of the system and controllers.

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