

Case Study

CHANGE IS IN THE AIR

INGENIOUS AIR



Key Benefits

- ✓ Comfortable, virtually draught-free heating and cooling in one system.
- ✓ Discreet white air outlets complement the interior design.
- ✓ Six separate time and temperature control zones with one system.
- ✓ Routine maintenance can be carried out with minimal disruption.

Comfortable Cooling & Heating for Manchester Offices

The Problem:

Kendal Byrne Developments Ltd, the builders, needed cooling and heating for their client Washington Mill's Manchester offices. Their client wanted a system that would create a comfortable, healthy and productive working environment.

The Solution:

One Ingenious Air® Small Duct System, paired with a 20kW inverter heat pump condensing unit, was installed. The system serves both the first-floor offices and ground floor conference room, with six separate time and temperature control zones. Each zone has a touchscreen thermostat controller with a seven-day timer.

The system's air handling unit was suspended in the ceiling void. This position enables routine maintenance to be carried out without disruption to occupied areas.

Treated air (warmed or cooled) is delivered via discreet white outlets positioned in the bulkheads and ceilings above low traffic areas. The induction method of air delivery ensures even temperatures throughout.

The system has a natural de-humidification effect. This can help male staff feel more comfortable at warmer temperatures when the system is in cooling mode. Female staff can also then feel more comfortable at these higher temperatures.

Outside air ventilation was also delivered via the same system. A hot water coil was added to the air handling unit, connected to the building's hot water system. This gives extra heating capacity in the winter.

Follow Up:

The system provides virtually draught-free, comfortable air conditioning and heating.

"This is the second occasion we have used the Ingenious Air System and we are very pleased to be able to offer draught free air conditioning & air purification to our clients".

MR. JOHN MCKENNA, KENDAL BYRNE DEVELOPMENT LTD