

Case Study

For Your Perfect Indoor Climate



Key Benefits

- ✓ Discreet air outlets blend beautifully into the stunning interior design.
- ✓ Comfortable, virtually draught-free heating & cooling in one system.
- ✓ Smaller ducting fits into restricted spaces that standard ducting cannot reach.
- ✓ Lower carbon footprint than multiple fan coil option.

Discreet Cooling and Heating for a Seven Bedroom Home

The problem: The owner was looking for the perfect climate control solution for his new seven bedroom home in Macclesfield. He needed a stylish finish to complement the beautiful interior design.

The solution: The discreet and flexible Ingenious Air Small Duct System provided the ideal solution: Two systems were installed in the void at the top of the house. These provide the sole form of heating for the first and second floors. Two systems were also installed in the basement. These work in conjunction with a separate underfloor heating system for the basement and ground floor. The four systems also supply air conditioning to the whole house.

Choosing the Ingenious Air Small Duct System rather than multiple fan coils reduced the number of air handling units. Only four were required, which significantly reduced the project's carbon footprint. A 60kW capacity inverter renewable energy air-to-water heat pump/chiller was positioned at the end of the garden. This supplied warmed and chilled water to the internal Ingenious Air Systems. No refrigerant was needed in the living space.

Smaller sized, flexible ducting enabled easy access to all areas of the property during installation. Unobtrusive, white air delivery outlets were positioned in out of traffic areas in the walls, floors and ceilings, including the corridors. These blend seamlessly into the brand new interior finish and provide comfortable, even temperatures throughout. They also free up wall and floor space as no radiators, large grilles or wall mounted units were required.

Follow up: The owner enjoys perfect climate control all year round, whilst maintaining the stunning ambience of his home. Fewer components overall, compared with multiple fan coil units, reduces the time and cost of ongoing routine maintenance.

Mr. PK Vaish, Owner

"The Ingenious Air Small Duct System allows me to keep a comfortable temperature, regardless of what the weather is doing outside. Keeping the upper floors cool in the summer is particularly helpful for getting a good night's sleep. The system is easy to use and blends into the background."



The Ingenious Air Small Duct System - WINNER of UK 'Air Conditioning Product of the Year' RAC Industry Cooling Awards 2015

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