

# Case Study

CHANGE IS IN THE AIR

INGENIOUS AIR



## Key Benefits

- ✓ Integrates unobtrusively into a listed building.
- ✓ A wide choice of discreet air outlets blends beautifully into the stunning interior design.
- ✓ Comfortable, virtually draught-free cooling and heating in one system.

## A Luxurious Indoor Climate for a Luxurious £25m Home

### The Problem:

A property developer refurbished this majestic deluxe residence in Oxshott, overlooking the Surrey countryside. The client required an energy efficient complete comfort system that would integrate unobtrusively into the listed building and complement the luxurious interior design. The project value was £206,000.

### The Solution:

The developer chose the Ingenious Air® Small Duct System to provide comfort cooling and heating, based upon his previous experience. The system is a discreet, simple and versatile indoor air quality delivery system. Ten systems with total cooling and heating capacities of 110 kW and 200 kW respectively were designed, supplied and installed. Each system was paired with a sustainable energy, inverter driven air source heat pump and incorporates a low-pressure hot water (LPHW) heating coil.

Each system has an inverter-driven electrically commutated (EC) fan motor. This motor provides a constant static pressure in the ducting, which ensures air delivery is even and comfortable. A central 'smart' zone control system ensures each room has individual on/off and rapid response temperature control. Discreet, white circular air outlets mean there are no large grilles, wall mounted units or radiators to detract from the stunning interior design. Different compositions and colours were used to perfectly complement the décor of each room. Some outlets were painted to match.

### Follow Up:

The project was completed on time to everyone's satisfaction. The client is now enjoying complete heating, cooling. Routine planned maintenance is carried out twice a year by The Ingenious Air Company. This increases the lifespan of the systems and ensures they always work at optimum capacity and efficiency.

"The small duct system was the ideal choice for this project as a diverse range of air outlet vent plates in the walls, ceiling and floors were used to co-ordinate with the interior decoration of each room. Floor outlets were painted to blend seamlessly with the tiles."

**MR. A HOLESOWSKI, AMM CONSTRUCTION LTD**