

Customer Case Study

Sibford School



Sibford School in Oxfordshire is not unlike many of our Clients in the education sector.

The Client doesn't have the major capital investment required to overhaul the schools infrastructure. As such they require remedial solutions to enhance the conditions in their ageing buildings.

Sibford School asked Spheretech to help them address the problems in their science block, where poor insulation and inadequate night storage heaters leave the rooms cold in winter and without sufficient cooling during summer. All of which made teaching conditions more challenging in the school.



Spheretech's solution was to install a combination of wall mounted and ceiling suspended inverter units, which provide energy efficient cooling for the summer and replacement heating for the block in winter months.

Where applicable, Spheretech will specify systems with the benefit of inverter technology, which conserve energy for three main reasons:

- 1 They have a 'soft start', whereby the unit gradually draws the required amount of current required as opposed to the large surges caused by non-inverter equivalents.
- 2 The unit then varies its speed to match the cooling or heating load and therefore only consumes the power necessary to match the exact requirement of the room.
- 3 In a typical application the unit can operate at partial load requirements (which is 90% of the time) compared to 'full load' required by the old fixed speed non-inverter units.

Peter Robinson, Sibford School adds

"Our 1960's Science building had been the source of on-going complaints during the Winter months as the poorly insulated building with antiquated night storage heating failed to provide adequate warmth. The new air conditioning system installed by Spheretech has addressed this issue offering a solution that provides adjustable heating and a cooling system for those rare Summer days!"

As with all Spheretech installations, we arrange an initial free, no obligation survey to assess the customer's requirements and to provide a forum to answer any questions. Should you require any further information on Spheretech Ltd visit spheretech.co.uk or email info@spheretech.co.uk. Please click on any of the following links below.

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