

case study

What was the problem?

Energy – gas and electricity – cost practices money and can harm the natural living world but provides comfortable working conditions for staff and patient. Appropriately used energy systems can reduce costs while maintaining (and improving) the thermal comfort of occupied space and for people within the building.

Ordsall Surgery worked with Fero Consulting to understand and measure the energy use, over or under heating of the building, ventilation and air circulation requirements, and the control system.



What was the solution?

Reducing heat losses from a building through the use of dynamic thermal and energy 3-d simulation modelling (DSM) is vital to deliver a 'fabric first' approach.

A Building Energy Management (BEM) system enables better control of heating systems with less energy being wasted. As they become more intelligent, they can balance energy use with heat (or cooling) demand by the building to ensure a comfortable temperature for staff with heat loss, outside weather conditions, length of time the building is in use for etc.

Results

