

HEATBANK® Xcel Multifuel Thermal Store

Case Study: National Trust, Morden Hall Park

The Stable Yard at Morden Hall Park in Surrey comprises of solar thermal, an air source heat pump and wood burner, tied together using HEATBANK XCEL technology.



Under a plan intending to reduce energy consumption by 20%, the Trust's main green sources will be biomass, heat pumps, hydro and solar. An example of the progress being made by the National Trust is the heating system installed at Morden Hall Park. The scheme, which incorporates possibly the UK's most energy efficient historic building, the Stable Yard, uses both modern and more established renewable energy methods.



The property is supplied by the multifuel Xcel HEATBANK® thermal heating system, a wood-fired boiler and three different types of solar panels. An Archimedes Screw, a more historic generator of energy, supplies the visitor centre by calmly churning the water of the River Wandle

A fitting conclusion to the project is that the stable yard received an 'Excellent' rating from BREEAM, the world's foremost environmental rating system. This is a big achievement as only the top 10% of new non-domestic buildings get an 'Excellent' so it's very rare for a refurbished or historic building to score so highly. Going through a BREEAM assessment is a big job - it uses a huge range of measures, including aspects related to energy and water use, health and well-being, pollution, transport, materials, waste, ecology and management processes.

