

PROJECT | ENERGY AUDIT

LOCATION | WALES

SAVINGS | £209,909 pa

NIFES were appointed to the Bro Morgannwg trust under the auspices of the PASA framework contract to identify and audit the energy status of the Princess of Wales Hospital.

NIFES provided a full consultancy service detailing urgent requirements and longer term project work. The full energy survey looked at all aspects of heating, lighting, catering, building maintenance, chillers, electricity consumption, gas consumption, chp, insulation as well as existing boilers, water, systems and equipment measuring the current output and relative costs.

The report details necessary improvements and modifications coupled with an inclusive full breakdown of costs and the relative payback from investment for the new equipment and NIFES services.

The overall recommendations of the report, if implemented, would result in a saving of 5,679,680 kWh per year and a cost saving of £200,909 (including water) representing 20.7% of the energy consumption of the Trust. This improvement in efficiency would reduce

the carbon emissions for the sites features by 18% or 1344 tonnes of CO₂ per annum.

NIFES were retained by the Trust via the PASA framework contract to carry out the design of the Energy replacement systems and to prepare tenders and assist the Trust with the procurement process while project managing the site.

Significant savings were identified relating to the control of building services, insulation improvements, lighting control, CHP operating procedures and replacement of inefficient hot water services equipment.

