

LEVENSHULME HIGH SCHOOL, MANCHESTER

KALZIP LIMITED



Students at Levenshulme High School in Manchester share their £2.2 million leisure centre with the local community and the 1,500 square metres, steel framed 'Energy Box' as it is more commonly known, sits on a former tennis court at the top of the playing fields and provides a striking contrast to the traditional red brick façades of the existing school buildings.

The school is proving a blueprint for sustainability by saving energy and even selling it back to its providers ... with a little help from Kalzip Limited.

The distinctive 6.7 kW Kalzip AluPlusSolar system installed on the southern elevation provides around 4,500 kWh of 'clean' electricity per year - a carbon saving equivalent to more than 2.5 tonnes of CO₂.

The renewable energy harnessed from the sun is first used inside the new leisure centre to power lighting and electrical equipment, then any surplus is fed back into the National Grid and the centre's utility bill is credited. A meter recording the amount of energy being generated by the cells is located in the reception for the public to see.

SUSTAINABLE FACTS

- The energy required for heating, lighting and powering equipment in an ordinary school classroom releases about 4,000 kg of CO₂ every year – enough to fill four hot air balloons 10 metres in diameter.
- UK schools spend about £450 million on energy every year – three times as much as they do on books and about 3.5 per cent of their budgets.
- Some schools spend four times more per pupil than similar schools in the same region. The difference is often to do with how effectively schools manage their energy use.
- Surveys show that through simple low cost and no cost measures, schools can reduce their fuel bills by up to 10 per cent while also reducing their CO₂ emissions.



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