

Leisure Centre Energy Survey

The Problem:

Efficiency Direct was asked to carry out an Energy Survey at a Council run Leisure Centre, which had previously been threatened with closure. The site which comprised of a sports hall, a swimming pool, a reception area and offices was originally built in 1939.

The control for the plant was in many cases, the original fit and quite old.

The solution:

The surveys main findings were :-

- Create an energy policy
- Increase staff awareness for energy
- Extend current energy monitoring and targeting system
- Extend lighting controls
- Install new heating control system
- Check the controls of the newly installed motor inverters
- Reduce the electrical base load
- Improve heating pipework insulation
- Install double glazing

The outcome:

If all of these measures were implemented, it was estimated that there would be :

- an annual saving of £94,977
- an annual saving of 589 tonnes of CO₂
- The cost of implementing these measures would be £259,500 (payback period 2.7yrs)

About the service provided:

ED carried out an Energy Survey which identified a number of energy saving initiatives

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