

Case Study

Energy Pack Installation.

Refrigeration, lighting, solar thermal assisted technologies.

SolX Energy technologies significantly increased the efficiency of Sedgley Park RUFC, Manchester UK. An unparalleled 'Energy Pack' was installed utilising combined technologies designed to harvest the free energy from the sun, creating thermal energy to assist the refrigerant compression process, in addition to state of the art, high efficiency lighting solutions.

Customer Situation

The current lighting and refrigeration systems were obsolete and prone to failures, thus repairs were paid for directly from the club's profits. The busy club needed more reliable and efficient systems with lower running costs and longer lifespans.

Solution

Provide a high class Energy Pack refit which in turn reduces the overall energy consumption of the entire club.

Analysis of each room's lighting situation with voltage optimisation & human interface reduction added to the proposal.

Benefits

- *Reduce electricity overhead
- *Reduced ongoing equipment maintenance costs
- *Extended equipment lifespan
- *Reduced CO2 production



Lighting

Improved overall lighting lux levels throughout, **reducing the energy consumption by an average of 86%**. As such, maintenance costs were also reduced due to projected lifespan of c. 55,000 hrs in comparison to fluorescent systems at c. 17,000hrs Negative heat impact was too reduced, therefore improving cooling efficiency.

*"Other rugby clubs look at our newly lit changing rooms with envy, wondering 'how can they afford that?' – I tell them **it pays for itself** and they don't believe me"*
-Geoff Roberts, Sedgley RUFC.

iTrack

Human interface (or indeed the lack of it) can cost businesses thousands, if not tens of thousands every year. Our historical data shows that control of **waste** energy can account for in-excess of 18% of the average electricity costs.



*"As well as controlling human interface, we are also controlling the energy levels entering the building. iPhase manages the voltage to a stable level, normally 220V regardless of the incoming supply voltage. Anything above this is waste energy that the rugby club would have been paying for **every single day**"* - David Turner, Project Director, SolX Energy Ltd.

Energy earns, or simply burns
...the choice is yours

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Refrigeration

Even on integral cabinets, our retrofit solutions installed onto existing equipment reduces energy consumption by as much as 31%.

“Almost two years on since the refit we haven’t had to call once to repair or replace any of the parts - even though they are under warranty, it goes to show how reliable these products are. The savings have been there all along, and we have almost recouped the initial outlay. We now have a brightly lit clubhouse which we are getting secondary revenue from as a glamorous venue centre – helped by having an attractively lit function room. We also no longer have to think about turning lights or fridges off anywhere, it’s worked a treat!”

**-Geoff Roberts, Club Secretary,
Sedgley PARK RUFC**



The Results

At a projected **energy bill saving of £448** a month, the ROI was expected to be around 32 months.

After two years, over £11,000 has been saved, this figure is not including what has been saved on replacement tubes.

The overall cost of the ‘Energy Pack’ installation was £14,426, meaning it is well on course to hit its projected ROI.

Additional revenue has also been created by the brighter lit lounges, meaning yet more profitability for the club.

Project Partners

- SolX Energy Ltd
- Sedgley Park RUFC



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To find out more...

If you’d like to know more about this project, please email becky@solxenergy.com or call **0844 33 00 321**

www.solxenergy.com

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