



CASE STUDY

Wigan & Culture Leisure Trust, Cannock, Staffordshire

Part of the Wigan Leisure & Culture Trust (WLCT), Chase Leisure Centre is based in Staffordshire and provides a number of fitness classes, 3G pitches and a swimming pool to the local community. WLCT works alongside Wigan Council, Selby Council and Cannock Chase District Council to provide the local community with access to facilities and services for an active and healthy lifestyle.

WLCT were already seeing an excellent 6% reduction from the powerPerfector Plus unit installed in September 2013.

As a long-time customer, iESCO offered a free trial of the latest advancement in powerPerfector technology to demonstrate the benefits of upgrading to the powerPerfector iQ. The powerPerfector iQ is a retro-fit addition to existing powerPerfector technology, designed to increase existing savings and add security and resilience from fluctuating grid voltages and variable power quality. This is achieved through the intelligent and super-fast responsive design.

WLCT saw existing savings boosted following the upgrade, with the powerPerfector iQ providing an additional 2% kWh savings per year, which represents a 33% improvement from the original installation.

At the current average energy tariff, savings are calculated at £3,752 per year. If WLCT had not had the upgrade as a free trial offer, the powerPerfector iQ would have generated a payback of between 3-4 years, impressive results for this retro-fit technology.

"IESCO kindly offered us one of their first UK powerPerfector iQ upgrades for Chase Leisure Centre. The post upgrade testing showed a huge improvement in savings when switching from the existing unit (powerPerfector Plus) to the new upgraded unit (powerPerfector iQ). We were already pleased with the cost and CO₂ reductions from our initial powerPerfector, however knowing that we can now easily boost the performance of an existing asset is a bonus for the Trust."

INFORMATION

Unit: **powerPerfector iQ**
Unit size: **440 kVA**
Install date: **Jun 2016**
Annual kWh saving (kWh)*: **31,266**
Annual cost saving (£)*: **3,752**

* Additional savings



Realtime seven day voltage profile pre/post iQ activation

