

TRANSFORMING ENERGY EFFICIENCY FROM THE POOL TO THE GYM



The iVolt system plays a crucial role in reducing energy consumption by 16%, enhancing equipment efficiency, and improving reliability, making it a game-changing solution for facilities looking to optimise energy consumption.



Carluke Leisure Centre, a modern facility located in the town of Carluke in South Lanarkshire, Scotland, offers a wide range of sports and leisure activities for the local community. With its state-of-the-art gymnasium, diverse fitness classes, and an inviting swimming pool, the centre has become a hub for people looking to stay fit and healthy.

In 2016, the Carluke Leisure Centre management team made the groundbreaking decision to install the iVolt system, an advanced technology designed to optimise the voltage supply from the grid. The iVolt system dynamically regulates the incoming voltage to ensure a constant 220V is supplied to the electrical equipment. This game-changing technology has transformed the way energy is

consumed and supplied in the facility, resulting in a significant reduction in electricity bills and carbon emissions.

The iVolt technology has played a crucial role in enhancing the efficiency and longevity of the centre's electrical equipment, significantly reducing maintenance costs. By regulating voltage surges and fluctuations, the iVolt system ensures that the equipment operates efficiently and reliably, extending the equipment lifespan and enhancing its reliability.

The Carluke Leisure Centre's incredible energy savings of over 16% since installing the iVolt system have been achieved through reduced energy consumption and enhanced equipment efficiency. The iVolt system has allowed the

at a glance

CARLUKE LEISURE CENTRE



564,143
TOTAL ENERGY
SAVED (kWh)



3x400A
IVOLT SIZE



22/05/2016
INSTALL DATE



11
ROI ACHIEVED
(MONTHS)



82,557
CO₂ EMISSIONS
REDUCED (kg)



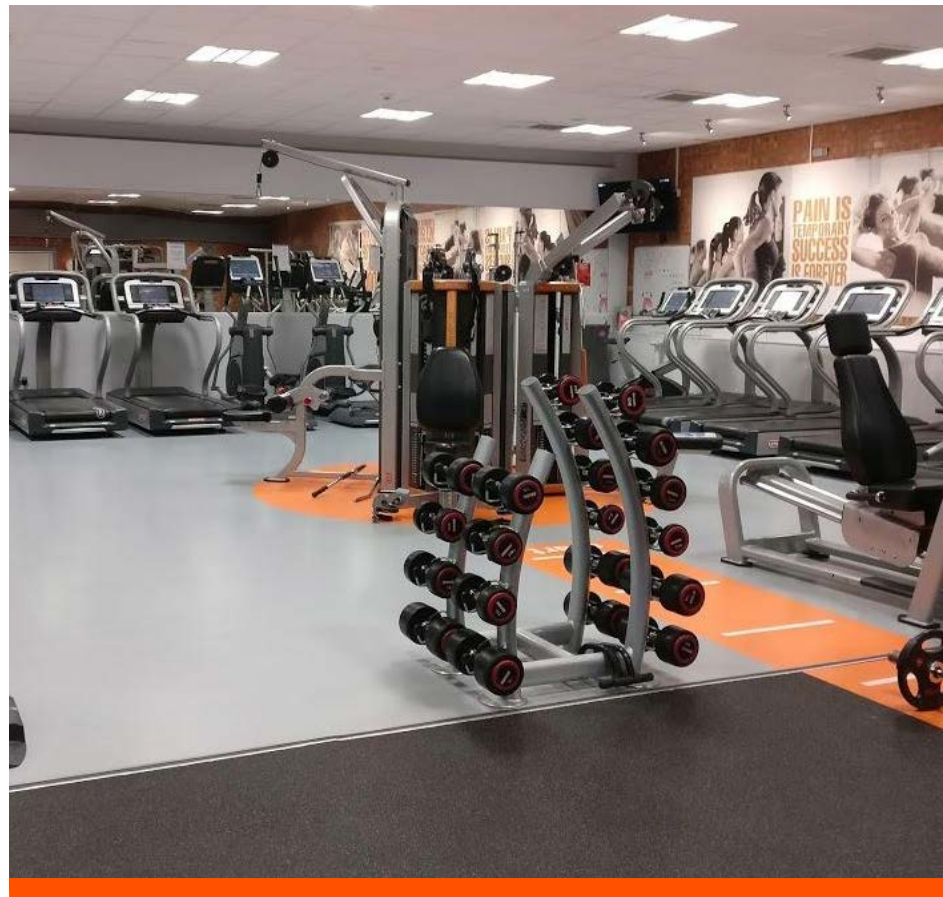
16.54
ENERGY
SAVED (%)



INFORMATION CORRECT AS OF 02/03/2023

centre to not only reduce costs and increase equipment longevity but also decrease its environmental impact, making it an excellent solution for any business or facility looking to optimise energy consumption.

Overall, the iVolt system has revolutionised energy efficiency, making it a game-changing solution for facilities such as the Carluke Leisure Centre. Its dynamic voltage optimisation system has enabled the centre to achieve greater energy savings than static optimiser which do not maximise the savings. The Carluke Leisure Centre's success story is a testament to the potential of the iVolt system to make a significant impact on energy efficiency and cost savings in any facility.



For more information on iVolt:

T: 01753 214500

E: info@ivoltsystems.co.uk

W: www.ivoltsystems.co.uk

The iVolt® was designed in the UK and production takes place at its facility near Heathrow Airport. The company is part of the global Sollatek group and is accredited to ISO9001:2008

iVolt® offer a vast range of product sizes, ranging from 63A to 3,000A and above in both single and three phase, with a number of installations having been completed throughout the commercial, retail, manufacturing, leisure and public sectors.

iVolt®
Intelligent Power Optimisation