

LANCASHIRE CONSTABULARY ARREST ENERGY COSTS WITH IVOLT'S DYNAMIC TECHNOLOGY



iVolt's dynamic technology was chosen by Lancashire Constabulary to save energy at Burnley Police station building (that incorporates the Magistrates Court). Patented dynamic technology detects and fixes over-voltage issues, resulting in 6.32% energy savings.



The Lancashire Constabulary is responsible for policing the county of Lancashire, England. The Police Station building was facing high energy consumption and costs, which were causing financial strain. To address this issue, the Lancashire Constabulary launched a competitive tendering process to select an energy-saving technology provider. After an extensive selection process, iVolt was chosen as the energy-saving technology provider based on their Dynamic Technology and patented IRT monitoring system.

iVolt's voltage optimisation system was designed to regulate the voltage supplied to the electrical equipment to ensure that it is not over-supplied with energy, thereby reducing energy consumption and saving

money. Unlike other static solutions which have a fixed percentage voltage reduction, iVolt's dynamic technology can adjust the voltage levels as required, ensuring that the electrical equipment always operates at optimal levels. This maximises the savings from the voltage optimisation system and translates into significant energy savings.

Since the installation in 2014, the iVolt at the Police Station building has been able to save on average 6.32% of energy. The patented IRT technology has been effective in accurately monitoring, recording and reporting voltages and energy consumption, ensuring that the electrical equipment operates efficiently and reduces energy waste.

at a glance

LANCASHIRE CONSTABULARY



227,834
TOTAL ENERGY
SAVED (kWh)



3x400A
IVOLT SIZE



01/09/2014
INSTALL DATE



29.4
ROI ACHIEVED
(MONTHS)



33,342
CO₂ EMISSIONS
REDUCED (kg)



6.32
ENERGY
SAVED (%)



INFORMATION CORRECT AS OF 04/05/2023

The successful implementation of iVolt's energy-saving technology is a testament to the importance of innovative energy-saving technologies that can help reduce energy consumption and expenses while improving operational efficiency. The implementation of iVolt at the Police Station building is an excellent example of how innovative energy-saving technologies can be used to reduce energy consumption and expenses while improving operational efficiency.

In conclusion, iVolt's dynamic technology sets it apart from other static solutions in the market, as it can adjust voltage levels as required automatically to maximise savings. The installation of iVolt at the Police Station building has been a resounding success, producing verifiable savings and reducing energy waste. This successful implementation of iVolt's technology highlights the importance of technologies that can help reduce energy consumption and expenses while improving operational efficiency – all of which can be verified in real time.



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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