



CASE STUDY

Stockport Homes, Manchester, UK

Stockport Homes Group was formed in 2005, to manage housing stock across Stockport on behalf of Stockport Council.

In 2019 they established 'Foundations Stockport', a community benefit society that works to alleviate poverty and provide positive opportunities improving the lives of people in Stockport. The assistance doesn't stop there, the group also has its own Energy Advice Team who assist their customers and staff with any energy issues helping with their energy footprint.

Among others, one of Stockport Homes Group key aims is to 'improve the environment'. Back in 2012, **iESCO's powerPerfector** Voltage Power Optimisation (VPO) was installed in 27 high rise housing blocks, achieving an average saving of 11.8% or £30,000 across all sites. **iESCO's powerPerfector** optimiser alters the incoming supply voltage at a fixed ratio, prolonging the life of your business' electrical equipment. Harmonic suppression, improved three-phase balancing and common transient protection are embedded within the unit, without the need for bolt-ons or moving parts, which could be points of failure.

In August 2017, the group moved into a new, purpose built office. Robin Burman, Chair of Stockport Homes' Board said,

"The building offers a wealth of facilities including the Windmill Coffee shop, and we hope that this new space is enjoyed by our customers for many years to come." With security of supply and power conditioning going hand-in-hand with a site's longevity, the group were keen to see if **powerPerfector** technology could be added to their new building, improving the lifespan of it's energy efficiency equipment (including electric heating), while helping to save on cost and carbon. Even with the new equipment, the **powerPerfector** achieved an impressive **11% kWh reduction**, equalling a **£8,800 saving** on running costs annually.

"Having previously installed powerPerfector technology at over 27 sites we wondered whether it would be suitable for our new office building which had a range of energy conservation measures and was already very efficient. We were extremely pleased with the results that we saw following the installation in 2018" said Nicholas Wilson, Environmental Project Co-Ordinator, Property Maintenance Services.

With the VPO® units 100% 'no failure' record you can fit and forget the technology with absolute confidence that the integrity of supply will be improved, and your site will be running as efficiently as possible.

INFORMATION

Unit:	280 kVA
Optimisation:	8%
Installation:	Jan 2019
Annual kW saving (hrs):	83,831
Annual kWh saving (%):	11%
Annual cost saving (£)*:	£8,800



Energy consumption (kWh): Pre & post install

