



## Tees Active Ltd – Splash Stockton

### INTRODUCTION

Splash Stockton is a modern leisure facility in central Stockton, UK, operated by Tees Active Ltd.

Splash Stockton first opened in 2001 after it was transformed from the old Stockton Swimming Pool. The facility underwent huge refurbishments and doubled in size in 2008-2009 due to increased demand from the community. It opens its doors 7 days a week and runs extended operating hours.

As well as a swimming pool which contains waves, jets and flumes, the site also includes a two storey Activ8 gym, a large sports hall, and food and drink facilities.

Tees Active Ltd is a charitable leisure management organisation which was established as a non-profit-distributing company on 1st May, 2004.

Working closely with the Stockton-on-Tees Borough Council, the company specialises in the management of facilities and projects with the aim of raising levels of physical activity within the community. Per year, Tees Active welcomes almost 2 million visitors to its facilities and employs around 219 staff.

### THE CHALLENGE

Due to Tees Active Ltd being a non-profit-distributing company, it actively looks for ways to reduce energy consumption and costs across its portfolio.

Powerstar identified Splash Stockton as a potential site to benefit from voltage optimisation technology because of the size of the facility, the range of equipment, and the long operational times. The viability of voltage optimisation was confirmed after a series of thorough site surveys.

The incoming voltage at the centre was stable but higher than required for the on-site equipment. With most electrical equipment designed to work most efficiently at 220V, voltage optimisation was a perfect solution to correct the overvoltage and reduce the facility's electricity consumption and generate savings.

### THE SOLUTION

Following the analysis of the voltage profile on site, the Powerstar team recommended the installation of a 250kVA Powerstar LITE system with a fixed 20V reduction.

Powerstar delivered a concept to completion, full supported service to the Splash Stockton facility. The installation was carried out with minimal disruption to the facility's daily operations and without negative impact to the experience or enjoyment of the centre's visitors.

The installation of the Powerstar LITE system will reduce the facility's annual electricity consumption by 70,326 kWh, equating to annual consumption savings of 10.2%.

### KEY FIGURES

- **Annual Consumption Saving:** 10.2%
- **Annual kWh Reduction:** 70,326 kWh
- **Payback Period:** 3 years 1 month



Customers enjoying the pool, complete with waves and jets inside Splash Stockton

### CUSTOMER QUOTATION

"We found working with Powerstar to be very easy as they did everything they could to accommodate our requirements not only in which unit was best suited to deliver the greatest efficiency, but also in ensuring minimum disruption. Work was carried out overnight which meant that there was no disruption to our operational hours and our customers. This is one of the simplest ways to achieve instant cost effective energy savings and would highly recommend Powerstar."

**Dennis Smith, Project Manager**  
Tees Active Ltd