



## Leeds City Council



### BACKGROUND

Leeds City Council is the local authority of the City of Leeds in West Yorkshire. It is a metropolitan district council, one of five in West Yorkshire and one of 36 in the metropolitan counties of England, and provides the majority of local government services in Leeds.

### THE CHALLENGE

Maintaining consistent power quality is fundamental to the activities of the Leeds City Council Buildings. Efficient Power were asked by Leeds City Council to evaluate whether their voltage management expertise

could not only help ensure continuity of supply, but also to produce savings from reduced electricity usage.

### THE SOLUTION

Efficient Power undertook an extensive energy audit of the sites, which identified that the council would benefit from Voltage Optimisation and Regulation (eVO+R™) technology, as the average voltage was recorded at 240V. The voltage output was regulated to 220V following analysis of the data logging.

By reducing the average voltage from 240V to 220V means the voltage is in alignment with the recommended operational criteria of equipment used within the buildings.

**Key Successes**

- 15.3% annual energy savings achieved
- Consistent electricity supply ensured due to regulated 220V output
- Technology rolled out over 11 sites

“ This is an important step forwards for the city of Leeds as we move towards a low-carbon, energy-efficient future. We are now seeing the expected cost savings following the completion of the improvements. ”



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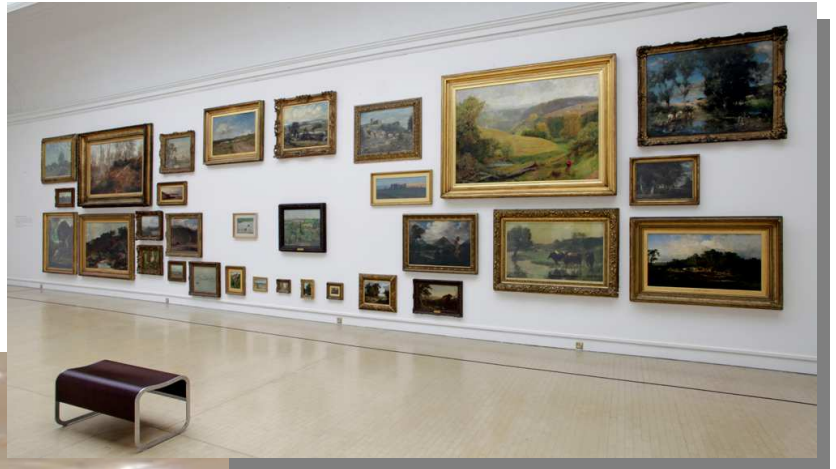
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## Leeds City Council



The eleven buildings benefiting from the works are:

- Town Hall Building
- The Civic Building
- Rothwell Sports Centre
- Leeds Library
- Leeds Art Gallery
- Fernville Leisure Centre
- Leeds City Museum
- Scothall Leisure Centre
- St Georges Centre
- Thoresby House
- John Charles Centre for Sports Aquatics

### PROJECT OVERVIEW

Efficient Power Solutions identified 11 Leeds City Council sites, ranging from offices, leisure and public buildings. Across these 11 sites Efficient Power were able to reduce their energy usage and carbon

footprint, as well as ensuring continuity of supply.

Efficient Power Solutions have delivered the technology the Council needed to improve the energy efficiency of its

buildings and facilities, with the incremental savings achieved paying for the investment.

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