

A UNIQUE VOLTAGE OPTIMISATION  
SYSTEM



**RATHBONE HOSPITAL**  
Mersey Care NHS Trust

### SAVINGS CALCULATION METHODOLOGY

This savings summary is for the Powerstar installation at Rathbone Hospital. Energy consumption data for the site was provided via the electrical energy provider in the form of ½ hour consumption spreadsheets. The average consumption data was calculated for each ½ hour period both pre & post installation this was then summed with the difference in the averages being taken as the savings.

### RESULTS

28 Day Prior Energy Consumption	54,019
28 Day Post Energy Consumption	48,971
Saving (28 days)	5,047
Saving Per day (kWh)	180.3
kWh Saving per annum (overall) (365 days per annum)	65,796
£ Saving	£6,974.43
% Savings Total Energy Consumption	10.142%
% savings on Eligible Energy	12.677%



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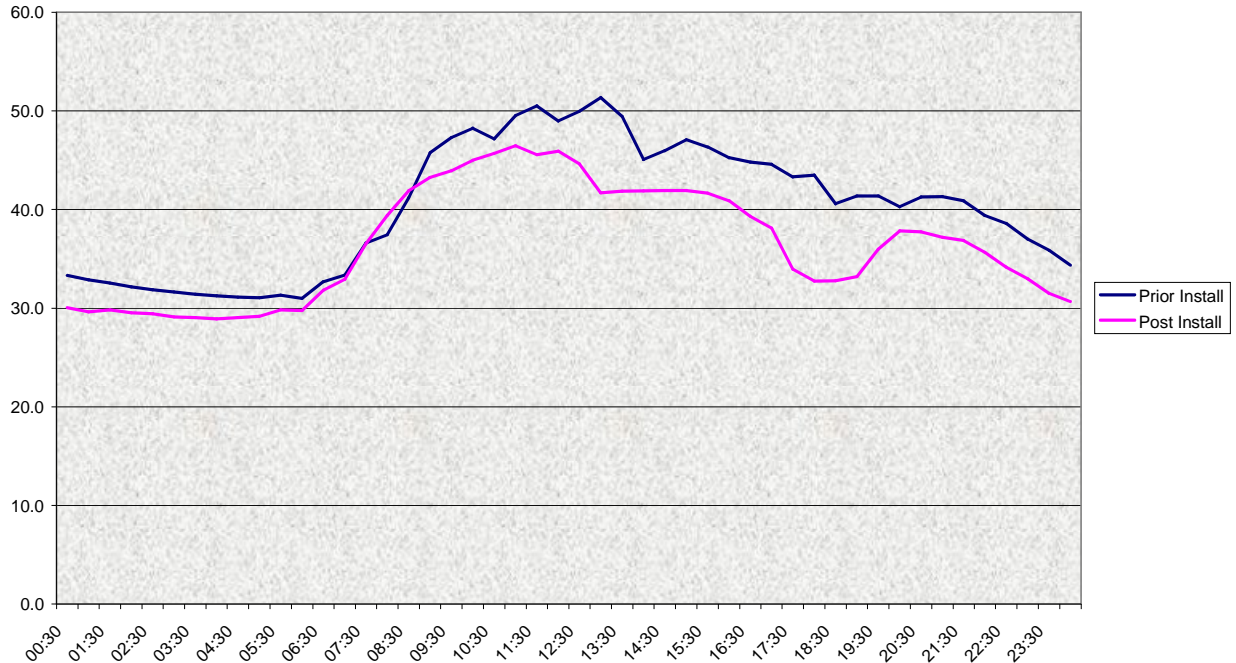
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### SAVING COMPARISON

Rathbone 28 Day HHD Comparison Pre & Post Installation



### CUSTOMER QUOTATION

“Powerstar voltage optimisation has shown that significant savings can be achieved without compromising the operations of the hospital.”

Mark O’Grady, Managing Director, MITIE Engineering (North) Ltd.  
Facilities Management company for NHS.



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