



## MODERN'S POWER SAVER IN RETAIL

### Introduction

Tesco PLC is the third largest retailer in the world measured by profits and second-largest retailer in the world measured by revenues. It has stores in 12 countries across Asia, Europe and North America and is the grocery market leader in the UK (where it has a market share of around 30%), the Republic of Ireland, Malaysia, and Thailand.

TESCO Lotus, which started trading in 1998, is currently our second largest international business, serving more than 12 million customers every week in over 1,700 stores across Thailand. Over 50,000 people are currently employed as our full-time staff.

### The Challenge

TESCO Louts consumes large amounts of energy and had worked together with so many power solution company, therefore the Modern was challenged to demonstrate the level of savings in electricity costs and carbon emissions that power saver units could achieve for the TESCO Lotus and more professionally with all the solutions to get their attention.

### The Solution

The Modern's unit maintains regulated electricity output where mains supply quality fluctuates. The Modern team selected the voltage control technology of power saver to achieve savings in electricity consumption. One sample unit was installed at TESCO Louts in first year, which reduce the overall energy consumption on the site, reduce both energy bill and CO2 emissions. Worked perfectly, even the price is better than others. Finally TESCO choose Modern.

### Savings & Benefits

#### Key Figures

Savings of Kwh achieved: **8.1%**

Maximum kWh demand saved: **34.7%**

Co2 emmision reduced per annum: **66.4 Tonnes**

#### Benefits

The installation at TESCO Louts exceeded the guaranteed savings by Modern (7.3%) by 0.8% and had minimal disruption.

Furthermore TESCO will reduce the CO2 emissions by at least 300 tonnes annually.



### Further Information

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