

## CASE STUDY

### LOCAL CONVENIENCE STORE – LIGHTING & ENERGY REDUCTION



PACKAGED ENERGY SOLUTIONS

**Franchised Local Village Store & Post Office (<500 sq.ft.)**

**Business Challenge:**  
Reduce energy use & improve lighting levels

**Products:**  
LED, Analysis, Displays

**Savings & Benefits:**

- 65%+ Lighting Energy Saving
- LUX levels enhanced by 50%+
- Utility use reduced by over 40%
- **2.5 year overall payback**
- Significantly enhanced shopping & store experience



#### THE CHALLENGE:

- Reduce utility costs cost effectively for a small scale local business
- Lighting costly to run and ineffective at displaying products well
- Lots of heat producing devices, using old inefficient technology
- Analysis & cost minimisation project for Client
- Tight budgets – so balancing improvement to payback critical
- Phased, wide-ranging series of interventions recommended
- Enhance the look, feel & ambience of the store; reduce ambient heat

#### THE SOLUTION:

- 90% of lighting cases retained & cleaned; LED replacement tubes & bulbs fitted, de-wiring drive gears & ballasts
- Phased programme of open-fronted cabinet replacement, moving to low energy inverter-driven devices; heat substantially reduced
- LUX increased by over 50%; look & feel and ability to see shop goods significantly enhanced; Great customer & staff feedback
- Utility sourcing advice given to reduce unit costs



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