

CASE STUDY — U.K. Retail Footwear Group (2 Locations)

Patented enPact FilterPro Delivers Consistent Energy Reductions Across Multi-Site Retail Environment

INTRODUCTION

A U.K. retail footwear group operating multiple high-street locations required a proven solution to reduce electricity consumption across lighting, HVAC and general store loads. With extended trading hours and consistent daily demand, the business sought a low-disruption, scalable optimisation that could be validated before wider rollout. Patented enPact FilterPro technology was deployed across two sites to assess performance under real operating conditions. Savings were measured using baseline vs ON comparison periods over a 26-day reporting window.

SOLUTION

Patented enPact FilterPro

FilterPro was installed at both locations to optimise electrical efficiency by:

- Improving voltage alignment and reducing wasted energy
- Minimising harmonics and electrical inefficiencies
- Reducing unnecessary load across lighting, HVAC and store systems
- Delivering measurable savings with no impact on store operations

Performance was validated using comparable baseline vs FilterPro ON periods across both sites.

CHALLENGE

- Continuous electrical demand from lighting, HVAC and retail operations
- Limited opportunity for operational change within store environments
- Need for independently validated savings across multiple locations
- Requirement for minimal disruption during installation
- Desire to assess scalability across wider estate

RESULTS:

Multi-Site Performance (Pilot Locations)

- **Up to 8.1% energy reduction achieved**
- **7.3%–8.1% savings range across two independent sites**
- **7.7% average reduction across both locations**
- **Consistent performance despite differences in store size and load profile**

KEY INSIGHT

Savings were consistent across both locations despite differences in store size and energy demand, demonstrating that FilterPro delivers repeatable performance across standardised retail environments.

PERFORMANCE & PORTFOLIO IMPACT

Metric	Per Site (Average)	30+ Site Portfolio
Energy Reduction (%)	7–8%	Consistent across estate
Annual kWh Savings	~3,048 kWh	~91,440 kWh
Annual Financial Savings	~£1,000	~£30,000
CO ₂ Reduction	~0.66 tonnes	~20 tonnes

Verified across two independent sites, demonstrating consistent and repeatable performance suitable for multi-site retail rollout.

CONCLUSION

Patented enPact FilterPro delivered measurable and repeatable reductions in electricity consumption across two retail sites, achieving up to 8.1% savings with zero operational disruption. The results confirm a scalable opportunity for wider rollout across similar store formats, delivering ongoing cost and carbon reductions.

SCALABLE PERFORMANCE ACROSS RETAIL SITES

- Verified savings of 7–8% across two independent locations
- Demonstrates consistent performance across different store profiles
- Passive optimisation requires no operational change or downtime
- Provides a strong foundation for wider rollout across retail portfolios

INTERESTED IN ACHIEVING SIMILAR SAVINGS ACROSS YOUR ESTATE?

Get in touch to discuss validated energy-reduction opportunities and multi-site rollout potential.

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