

# CASE STUDY — National Pub & Bar Chain (U.K.)(PHASE 2 ROLLOUT)

Patented enPact FilterPro Delivers 8.8% Average Energy Reduction Across Multi-Site Hospitality Portfolio

**8.8% average energy reduction across phase 2 of rollout**

**164,000 kWh annual savings | £31,300 annual financial savings | 12.5 month payback**

## INTRODUCTION

Following a successful initial pilot, a major U.K. pub and bar operator expanded deployment of patented enPact FilterPro across a 10-site portfolio to validate performance at scale.

With consistently high energy demand driven by refrigeration, kitchen equipment, cellar cooling and front-of-house operations, the client required a proven, scalable solution capable of delivering measurable reductions across multiple locations.

### SOLUTION

FilterPro was deployed across all 10 sites to optimise electrical efficiency by:

- Aligning voltage and current to reduce wasted energy
- Minimising harmonics and electrical inefficiencies
- Improving performance across refrigeration, kitchen and cellar systems
- Delivering passive savings with no operational impact

Performance was validated using baseline vs ON comparisons across the portfolio.

### CHALLENGE

- High and continuous electrical demand across hospitality environments
- Variability in performance across different sites
- Need to validate consistency of savings at scale
- Requirement for zero disruption to daily operations
- Strong financial justification required for full estate rollout

The operator needed a technology approach that would work consistently across different site profiles while delivering measurable, repeatable savings.

## RESULTS: VERIFIED 10-SITE ESTATE PERFORMANCE

- **8.8% average energy reduction across all sites**
- **45.1 kWh/day average saving (portfolio-wide)**
- **14,200 kWh saved to date**
- **£31,300 projected annual savings**
- **164,500 kWh projected annual reduction**
- **3.1 tonnes CO<sub>2</sub> avoided (to date)**

### Performance Consistency

- **100% of sites delivered measurable savings**
- **Best performing site achieved 18.9% reduction**
- **Majority of sites delivered 6–12% savings**
- **Demonstrates strong consistency across varied hospitality environments**

Metric	Portfolio (10 Sites)
Average Savings (%)	8.80%
Daily Energy Saved	45.1 kWh
Annual Energy Savings	164,500 kWh
Annual Financial Savings	£31,300
CO <sub>2</sub> Reduction (to date)	3.1 tonnes
Payback	12.5 months

### CONCLUSION

Phase 2 deployment of patented enPact FilterPro successfully demonstrated portfolio-wide performance, achieving an average 8.8% reduction across 10 sites. With strong projected annual savings, proven consistency and a ~12.5 month payback trajectory, the technology provides a clear, low-risk pathway for full estate deployment at scale.

### 1,500-SITE ESTATE PROJECTION

Scaling the same performance across a full estate of 1,500+ sites would deliver:

- 8–9% reduction in electricity consumption across the estate
- 246 GWh annual energy savings (164,500 kWh × 1,500 sites)
- £47M+ annual financial savings potential (based on current portfolio performance)
- Significant large-scale carbon reduction across the estate

The deployment is on track to achieve an estimated ~12.5 month payback, reinforcing the strength of the commercial case for full rollout.

## 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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