

CASE STUDY - National Hotel & Hospitality Group (U.K.)

42 sites live | £306,000+ secured in annual savings | £5.98M projected across the full estate

INTRODUCTION

AA leading U.K. hotel group operating a large national estate deployed patented enPact technology to reduce energy consumption across its sites. Following a successful initial phase, the operator expanded the programme to validate performance at scale and build the business case for full estate rollout.

With continuous, high electrical demand across kitchens, HVAC, hot water and back-of-house systems, energy represents one of the estate's largest controllable operating costs. The client required verified, repeatable savings, delivered with zero disruption to guest operations.

SOLUTION

Patented enPact FilterPro was deployed to optimise electrical efficiency across each site by improving power quality, reducing losses from voltage fluctuation, load switching and electrical noise. As a passive, fully retrofit solution, it delivers savings with no operational impact and no service interruption. Installation was completed by accredited partners.

Performance was validated at every stage using baseline versus ON comparisons, giving the operator verified, site-level evidence at each phase.

CHALLENGE

- High and continuous electrical demand across a large, varied hotel estate.
- Variability in performance across different site profiles.
- A defensible, repeatable business case required before wider investment.
- Zero tolerance for disruption to rooms, kitchens or guest experience.

RESULTS:

Phase 1 proved real, site-level savings across an initial 15 sites. Phase 2 expanded deployment to 27 sites, confirming consistent performance across a broader, more varied portfolio.

Across both phases, 42 sites are now live, delivering a combined 1,333,008 kWh and £306,592 in verified annual savings.

Metric	Phase 1	Phase 2
Sites	15	27
Average energy reduction	10.3%	7.6%
Annual kWh savings	506,604	826,404
Annual financial savings	£116,519	£190,073

CONCLUSION

The phased rollout demonstrates a clear, low-risk pathway to estate-wide energy reduction: proven at 15 sites, validated at 27, and now scaling nationally. Verified savings of over £306,000 a year already secured, with a projected £5.98M annual opportunity across the full estate, provide a strong commercial case for continued deployment.

ESTATE-WIDE IMPACT PROJECTION

Scaling the same validated performance across the full national estate would deliver:

Metric	Full estate (projected)
Sites	800+
Average energy reduction	~9%
Annual kWh savings	26,016,419
Annual financial savings	£5,983,776

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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