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Sustainable, Affordable,
SMART *green technology*

Case Study: Resicentral's Pilot Project with Lovat Parks



Lovat HOLIDAY PARKS

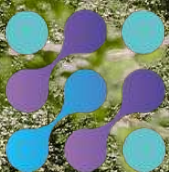
Introduction

Lovat Parks, a premier provider of luxury holiday experiences within eco-friendly settings across six UK locations, partnered with resicentral.co.uk to explore innovative ways to reduce energy consumption and enhance their sustainability efforts. Already recognised for their commitment to green practices with a B Corp Certification, Lovat Parks aimed to further minimise gas usage for heating and hot water—both critical to guest comfort.

The Challenge

Despite implementing substantial sustainability initiatives, Lovat Parks faced rising gas and electricity consumption, particularly during peak occupancy periods and colder months. The primary challenge was to reduce gas usage without compromising guest experience, while identifying incremental efficiencies in electricity usage to support their broader sustainability goals.

To address this, [resicentral®](https://resicentral.co.uk) proposed a pilot project at Lovat Parks' Padstow Village site, focusing on reducing energy consumption through smart automation technology. The objective was to assess whether meaningful energy savings could be achieved during both the summer and winter seasons, when energy demands typically fluctuate.



Test Setup

In April, resicental® installed energy management devices in five caravans at Padstow Village. Each equipped caravan was paired with an identical caravan without the technology to allow direct comparison of gas consumption.

From April to June, energy usage was monitored to establish a baseline. In June, resicental® implemented Smart Rules and automations designed to optimise energy use. The system incorporated occupancy detection technology, enabling automatic reductions in heating and lighting when no occupants were detected.

Key features of the test included:



Real-time monitoring of gas and electricity consumption.



Automated controls based on occupancy levels and external temperatures, ensuring energy was only used when necessary.



Smart Rules to optimise heating and hot water usage, while switching off lights during low or no occupancy periods.



Continuous reporting and data analysis provided to Lovat Parks



Results

Throughout the test period, Lovat Parks had access to real-time data, enabling them to monitor the impact of resicentral's SMART Rules and automations on gas consumption compared to the control caravans.

Key Findings:

First 13 Weeks (June – August):

Gas consumption in the equipped caravans was reduced by 25%, achieved through automatic adjustments to heating and hot water usage when no occupants were detected.

Colder Months (Mid-September – Mid-November):

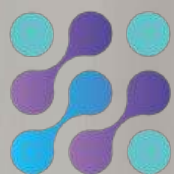
Gas consumption savings increased to 33%, demonstrating the system's effectiveness during colder weather.

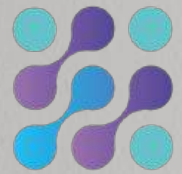
Electricity consumption was reduced by 15%, reflecting efficiencies gained through optimised lighting and other automated controls.

Impact

The pilot project delivered an average gas consumption reduction of 29%, resulting in significant cost savings and supporting Lovat Parks' commitment to reducing their carbon footprint.

The first phase of the test occurred during the summer—traditionally a period of lower gas usage—while the second phase demonstrated even greater potential savings as colder months approached. This indicates that even higher savings could be realised during the peak of winter, when heating demands typically rise.





Testimonial

Jo Palmer a representative from Lovat Parks, remarked:

"We've been exploring various ways to further enhance our sustainability practices by reducing energy consumption, all while ensuring the comfort and enjoyment of our guests remain unaffected. The results of this pilot project have been thrilling, and we're pleasantly surprised by the significant savings—even before the height of winter, where we anticipate even greater reductions. We're excited to roll out this green technology across our sites and further our commitment to sustainable hospitality."

Conclusion

Resicentral's pilot project at Lovat Parks' Padstow Village demonstrated that smart automation combined with occupancy detection can significantly reduce energy consumption without compromising guest comfort. By leveraging Smart Rules to optimise heating and hot water usage in real-time, Lovat Parks achieved a 25% reduction in gas usage during summer and a 33% reduction as temperatures dropped.

Following the success of this initiative, Lovat Parks intends to deploy resicentral devices across additional accommodations, particularly to maximise savings during winter months. This partnership highlights the potential for UK holiday parks to adopt advanced energy solutions, driving sustainability and operational efficiency while maintaining high levels of guest satisfaction.



**Elevate efficiency. Enhance comfort.
Embrace sustainability.**

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*Figures are used for illustrative purposes only and will depend on individual data sets.