

## Overview

A privately owned independent hotel in rural East Anglia approached Cool-Tech to replace an ageing oil boiler and storage heater system with no remote control and no occupancy intelligence. The property required a solution that could be installed without disruption, managed remotely, and deliver measurable reductions in energy spend.

## The Challenge

Like many independent hotels, the property was paying to heat rooms regardless of occupancy — with no ability to adjust temperatures remotely or respond automatically to guests leaving a room or opening a window. The existing wet system required ongoing maintenance contracts and engineer call-outs.

- No room-by-room temperature control
- Heating running continuously in unoccupied rooms
- No remote management capability
- High ongoing maintenance cost on wet system infrastructure
- No integration path for future solar PV or battery storage

## The Solution

Cool-Tech specified and supplied a full iSense Wi-Fi smart radiator installation covering all guest rooms, en-suite towel rails, corridors and communal areas. The MySense cloud portal was configured with hotel-specific presets, zone groupings and occupancy schedules ahead of delivery — ready for immediate management use.

<b>83</b>	<b>110 kW</b>	<b>Up to 35%</b>	<b>10 Yrs</b>
iSense units installed	System capacity (86 kW avg draw)	Projected reduction in heating costs	Warranty on aluminium body

## What Was Installed

### iSense Wi-Fi Smart Radiators

High-grade aluminium body, 750W–2000W range. Fitted across all guest bedrooms and communal areas. Double insulated Class II — no earth wire required. 10-year warranty on body.

### Wi-Fi Arum Towel Rails

Smart towel rails for all en-suite bathrooms, integrated into the same MySense portal and subject to the same occupancy-based scheduling as the radiators.

### MySense Cloud Portal Setup

Full hotel-mode configuration completed prior to delivery. All zones, room groupings, temperature ranges, maid mode and holiday mode pre-programmed.

### On-Site Staff Training

Handover training provided covering portal management, scheduling, energy reporting and guest room PIN lock functions.

## Key Outcomes

---

### Occupancy-Based Heating

PIR presence detection automatically reduces temperature when rooms are unoccupied — eliminating wasted energy with no manual intervention required.

### Open Window Detection

Radiators pause automatically when a window or door is detected open, a common and previously unmanaged source of energy loss.

### Full Remote Management

All rooms manageable from any device via free MySense app or web portal. No monthly subscription fees.

### Guest-Proof Controls

PIN code and child lock functions keep guests comfortable within set parameters without allowing accidental or unauthorised changes.

### No Wet System Overheads

No pipework, no boiler, no annual service contract. Wall-mounted with supplied drilling templates and patented anti-tilt brackets.

### Solar & Battery Ready

System is fully compatible with solar PV and battery storage — a clear pathway to further energy cost reduction when the property is ready.

---

*Property details have been anonymised at the client's request. Energy saving projections are based on system capabilities and typical hotel usage profiles. Actual savings will vary by property, occupancy, tariff and insulation. Cool-Tech provides a free, property-specific assessment and ROI projection prior to any commitment.*

## Ready to find out what iSense could save your hotel?

Free property assessment & ROI projection — no obligation  
[info@cool-tech.co.uk](mailto:info@cool-tech.co.uk) | +44 (0)1379 658721 | [cool-tech.co.uk](https://cool-tech.co.uk)