

CASE STUDY

iSense wi-fi Radiators & Heating Management App - 2026

Smart Connected Heating Integration in listed Building Conversion in Bristol



Introduction

Developments Bristol, a reputable real estate development company based in Bristol, UK, is known for delivering high-quality, new housing across the South West of England. With over 50 years of combined expertise in building projects and an established partnership of industry professionals, the company is well-positioned to pioneer the integration of advanced technologies in their developments. This case study explores the potential and benefits of incorporating smart IOT connected electric heating systems into Developments Bristol's housing projects, aligning with modern energy efficiency standards and homeowner convenience.



Project Overview

Developments Bristol undertook an ambitious project converting a listed building into five luxurious flats at St. Pauls, Bristol. The challenge was to deliver high-specification homes within a sensitive historical structure while incorporating modern, energy-efficient heating solutions that respect the building's fabric and meet contemporary comfort standards.



Heating Specification and Challenges

For the five flats, we specified a combination of iSense aluminium radiators and towel radiators tailored to each flat's layout and thermal requirements. The design incorporated precise U-values and floor plans to optimise heating efficiency and comply with legal eco-design ERP energy standards regulation.



Key considerations included:

- Preserving the listed building's integrity without invasive ductwork or pipe changes.
- Delivering an effective controllable heating solution compatible with contemporary luxury living.
- Ensuring ease of installation through clear specifications and installer support.
- Incorporating intelligent heating controls for user comfort and energy savings.

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Smart Heating Technology: Intelli Heat Integration

Developments Bristol partnered with Intelli Heat to provide the project's smart connected electric heating solution. Intelli Heat's MySense heating control system was selected for its advanced features tailored to electric heating applications, including:

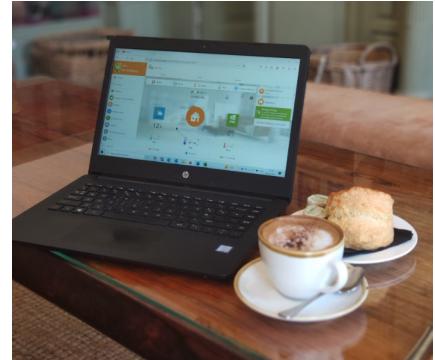
- Zone-based Heating Controls: Each flat can independently control panel heaters and towel radiators via the MySense app.
- Remote Access and Automation: Residents can remotely monitor and adjust their heating from anywhere, optimising energy use, enhancing comfort.
- Energy Monitoring: Real-time data, generate precise carbon reductions reports on energy consumption supports sustainability goals and resident cost savings.
- Compliance with Eco Design Lot 20: The heating system meets the latest legislation and efficiency benchmarks for electric heaters, future-proofing the installation.
- Renewable ready, Integrating PV Solar power and Battery with the iSense radiators.



Detailed Specification:

Developments Bristol provided Intelli Heat with comprehensive U-values, floor plans, and we supplied all heating requirements ensuring precise placement and sizing of smart radiators.

- Customer Support: Ongoing technical assistance and training were supplied to installers to guarantee effective setup and client satisfaction.
- Non-Intrusive Installation: The iSense Radiators and towel rads were installed seamlessly in keeping with the listed building restrictions.
- Resident Education: New homeowners received guidance on using the MySense app for optimal IOT heating management.
- Outcomes and Benefits
 - Energy Efficiency : The flats maintain heritage aesthetics while benefiting from state-of-the-art electric heating IOT technology.
 - The electricity generated from photovoltaics, or stored in batteries can be paired with the wi-fi controlled electric radiators.
 - Tenant Comfort and Control: Residents enjoy bespoke heating schedules, improved comfort, and reduced energy bills.



- Regulatory Compliance: The installation meets UK energy efficiency legislation and supports.

Developments Bristol's commitment to sustainable building practices.

This project showcases Developments Bristol's capability to blend historic preservation with modern smart home technology.

Conclusion

The five luxurious flats at St. Pauls conversion project exemplifies how smart connected electric heating can be effectively integrated into sensitive listed building developments.

Through collaboration with 1st Electrical Bristol, and Intelli Heat, Developments Bristol delivered a future-proof, efficient, and resident-friendly heating solution, reinforcing their position as an innovative developer in the Bristol market.



1st Electrical Bristol is a local electrical installation and contracting company based in Bristol and North Somerset, UK. 1st Electrical Bristol successfully delivered the installation of an Intelli Heat iSense smart heating system, providing the client with improved energy efficiency and precise temperature control. The project involved integrating the iSense system seamlessly with the existing electrical setup, ensuring reliable performance and user-friendly heating control app operation. By combining technical expertise with attention to detail, 1st Electrical Bristol helped modernise the property's heating and smart controls, enhancing comfort while supporting smarter energy management.

[W: 1stelectricalbristol.co.uk](http://1stelectricalbristol.co.uk)



The business is run by qualified local electricians, with experience delivering projects across Bristol and surrounding areas, the company offers a wide range of electrical services for domestic, commercial, and industrial clients.

Its service portfolio includes:

- Full and partial rewires
- New circuit installations
- Solar electrical installations
- Landlord safety certificates and compliance work; projects from small domestic upgrades to larger commercial builds (e.g., kitchen fit-outs, three-phase wiring)

1st Electrical Bristol positions itself as a reliable and skilled provider of electrical installations. Its model emphasises professional workmanship, safety-compliant solutions (e.g., certificates for landlords), and flexible handling of both small residential tasks and larger commercial jobs.

