



BUILDING INTELLIGENCE



Vericon Systems

Intelligent Control, Analysis &
Management of Critical
Building Systems

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Who are we?

Vericon Systems is an innovative leader in intelligent, remote, data-driven technologies that provide creative solutions to housing providers. We focus on enhancing property management and resident living experiences through connected technology, offering real-time insights, proactive maintenance, and compliance validation.

Vericon integrates tailored, agnostic solutions with existing infrastructure using data analytics. The system delivers autonomous interventions, actionable insights, and business intelligence through our devices.

What do we monitor?

Environmental Risks: Such as mould growth and damp conditions using temperature and humidity sensors.

Heating and Hot Water Systems: Monitoring the health of boilers and heat pumps to manage maintenance proactively.

Power Usage: Tracking energy consumption for efficiency and cost savings.

Emergency Light Compliance: Ensuring statutory compliance through autonomous testing.

General Property Conditions: Using data analytics to identify issues like fuel poverty and void management.

What issues do we help overcome?

Heating System Failures: By monitoring and managing the health of boilers and heat pumps, we reduce reactive maintenance expenses and improve resident satisfaction.

Environmental Risks: Identifying and mitigating risks such as mould growth and damp conditions.

Under-Pressure Callouts: Managing boiler pressure issues autonomously to reduce emergency callouts.

Fuel Poverty: Identifying properties with low room temperatures, frequent gas outages or scheduled energy usage to provide necessary support.

Void Management: Remotely managing heating in vacant properties to prevent damage and inefficiencies.

Compliance and Reporting: Ensuring statutory compliance for emergency lighting and other systems, with full audit trails and reporting capabilities.

Our Products

**BCM**

Real-time heating performance monitoring

**MultiDot**

Temperature & humidity monitoring device.

**AutoFill**

Autonomous central heating repressurisation.

**EmeRed**

Emergency light compliance testing automation.

**PowerSense**

Energy usage monitoring and management.

**Surveyor Cube**

Damp and mould risk monitoring.

**HomeHub**

Centralised resident interaction and comfort.

**MeterSense**

Heat network metering made simple

Learn more about Vericon

Visit our website



Product overview

Vericon offers innovative solutions to enhance building efficiency, reliability, and safety. Our products provide real-time monitoring, automation, and proactive maintenance. From boiler & heat pump control and heating repressurisation to temperature and humidity monitoring, emergency light compliance, and energy management, our technology supports sustainable living environments.

Boiler Control Module (BCM)

Monitors boiler & heat pump health in real-time, enabling proactive maintenance, reduced downtime, and extending lifespan.

MultiDot

Tracks temperature & humidity levels to identify environmental risks like damp and mould, maintaining resident health.

AutoFill

Automatically manages central heating pressure, preventing system failures and service interruptions, ensuring reliability all year round.

EmeRed

Automates emergency light testing, ensuring compliance, reducing maintenance errors, and enhancing overall safety.

PowerSense

Monitors energy consumption in real-time, promoting efficiency, cost savings, and sustainable living practices.

Surveyor Cube

Environmental monitoring with a simple plug-and-play install, in less than 15 minutes with no technical skills needed.

MeterSense

Our advanced system connects directly to your existing heat meters and Heat Interface Units, collecting real-time consumption data for every property.

HomeHub

Unlike other devices, HomeHub conducts in-property analytics, autonomously suggesting actions in the resident's preferred language, via its 7-inch touch screen.

**We bring
connected
technology to
social housing
providers.**

BCM: Connected Boiler Control and Monitoring

Leveraging Vericon's advanced and intelligent technologies, BCM offers landlords a comprehensive solution to address, anticipate, and resolve numerous housing stock concerns remotely. Equipped with real-world data insights, the system empowers property managers to tackle common challenges more effectively while reducing their carbon footprint due to increased operational efficiencies.



Universal Compatibility

BCM is a smart, easy-to-install device that monitors homes in real time and works with any boiler, plus future systems.



Real Time Monitoring

BCM sends performance data to the cloud, where it's analysed to predict and spot issues like low pressure or gas loss.



GSM Connected

Cellular connectivity securely sends real-time data to the cloud, so BCM doesn't rely on the occupant's Wi-Fi.



Advanced Management Features

BCM's advanced features simplify management, cut energy use, and detect fuel poverty or empty properties.



Add Functionality With Ancillary Devices

Add ancillary devices to BCM for more data, like multi-room temperature, humidity, power monitoring, or pressure top-ups.



Full History and Audit Log

HomeHub features an intuitive 7 inch colour touch screen that empowers residents to easily access.

MultiDOT: Temperature and Humidity Monitoring

MultiDOT is a simple to install device designed to accurately measure temperature and humidity levels, while also actively monitoring and identifying potential damp and mould issues before they escalate, providing a comprehensive solution to maintain ideal environmental conditions. MultiDOT serves as a diagnostic tool that can be reused for properties experiencing damp and mould issues. After installing the device and resolving the issue, it can be installed in the next property.



Easily Re-deployable

MultiDOT serves as a diagnostic tool that can be reused for properties experiencing damp and mould issues. After installing the device and resolving the issue, it can be installed in the next property.



Smart Monitoring

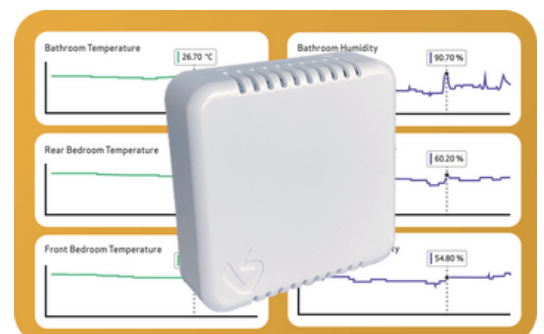
Landlords and property managers can use MultiDOT to monitor temperature and humidity levels in specific areas where it is installed, ensuring tenant safety by identifying potential mould and dampness problems early.



Instant real time data

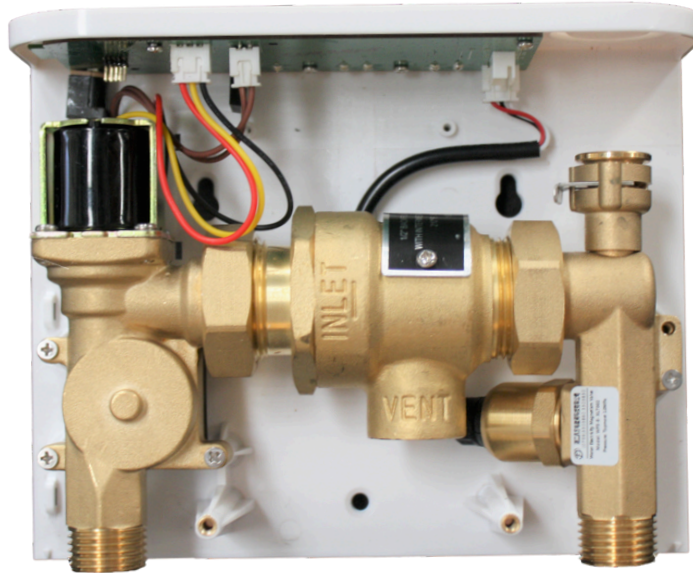
The MultiDOT temperature and humidity monitoring by providing instant, real-time information. Its technology enables seamless analysis of critical data points, enhancing the decision-making processes.

Mould growth and damp conditions pose serious health risks to residents, from respiratory issues to long-term conditions. Traditional methods of detection rely on visual inspections, often missing early signs of moisture issues. Vericon's MultiDOT sensors track temperature and humidity in real-time, enabling the swift identification of potential mould and damp risks, allowing for prompt remediation and ensuring a safe living environment.



AutoFill: Autonomous Central Heating Pressure Refill

AutoFill reduces pressure-related issues in your central heating system by automatically repressurising the system, receiving real-time notifications and alerts, and conducting proactive maintenance to ensure the system remains in optimal condition with universal boiler, ASHP and GSHP compatibility.



Self-Diagnosis

When the boiler pressure falls below a specific limit, the AutoFill system initiates the filling procedure.

During this process, AutoFill operates for three seconds to fill and subsequently checks the pressure. This cycle continues until either the desired 1.5 bar is attained or a failure is identified within the system.



Real Time Notifications

Every top-up on the portal is recorded by AutoFill with a timestamp. Should another top-up be necessary within a 90-day period, an engineer will be alerted to address the issue. In the event that a third top-up is needed, the system will be identified as needing an engineer visit and preventing any further top-ups.

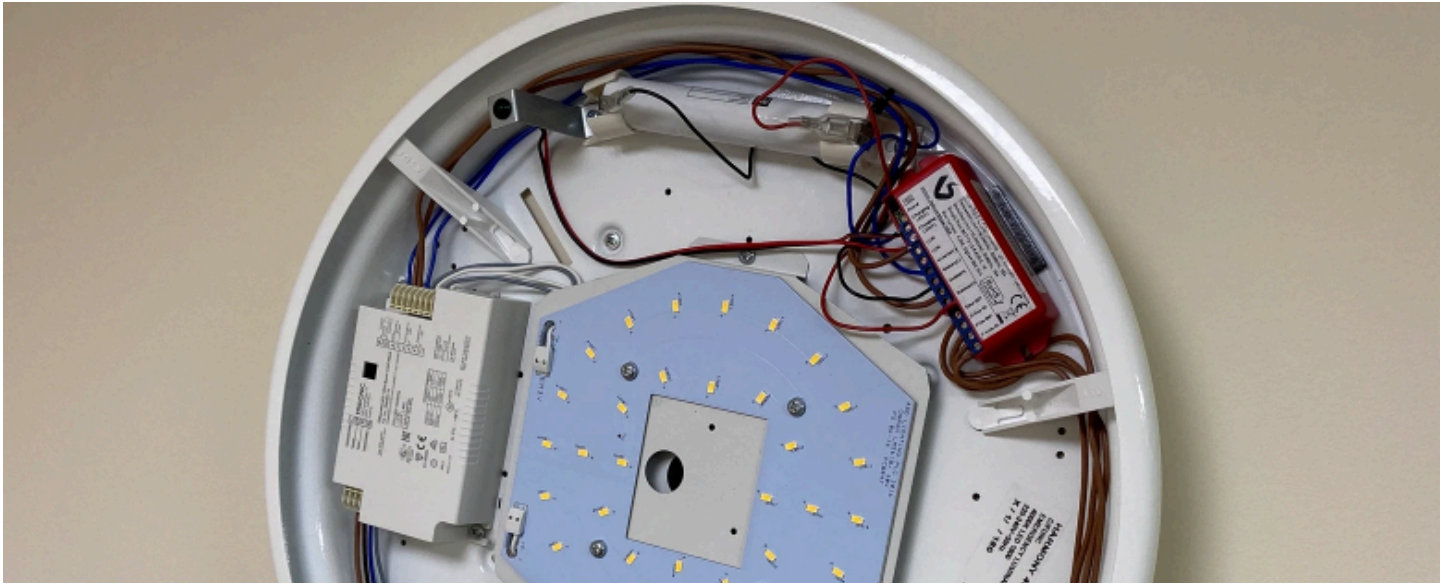


Universal Compatibility

AutoFill is seamlessly integrated within the existing fill loop of the boiler, ensuring complete compatibility with any boiler system. With AutoFill, you can rest assured that your boiler will operate at its highest level of efficiency and effectiveness, tailored to meet your specific needs and requirements.

EmeRed: Remote Autonomous Light Testing

EmeRed is a small, intelligent device that is programmed to automatically carry out relevant checks to ensure the lights are working when they are needed, compliant with BS 5266, BS 50172 and other relevant BSI standards and industry legislation.



Retrofit Installation

EmeRed can be installed and commissioned on to any luminaire in under 10 minutes and will carry out tests over the next ten years and beyond.



Staggered Testing

Using Vericon's Portal, test schedules can be set per device allowing for staggered testing in a single building, ensuring compliance with BS5266.



Automatic Failure Reporting

The EmeRed will automatically send all test results to Vericon Connect. The Connect system will then notify specified users to any failed lamps or those requiring preventative maintenance.



Compliance

EmeRed devices are programmed to conduct tests in accordance with your regulatory obligations so you can guarantee 100% compliance.



Simple Management

Since the reporting is online, via the cloud, individual lights, buildings or indeed whole estates can be controlled from your desk.



Degradation Testing

EmeRed measure the life outstanding in each battery, to ensure they are replaced before an emergency occurs. It also automatically notifies you if there is a problem.



PowerSense: Real Time Consumption Circuit Monitoring

PowerSense is part of the Vericon System Ecosystem that allows landlords to remotely monitor energy consumption across their complete portfolio. PowerSense plugs in to a normal mains outlet socket and uses CT clamps to monitor the power consumption in the circuit so can be installed without the need for additional circuit testing or part P notifications. PowerSense has three CT clamps enabling three individual circuits to be monitored at the same time, for instance, the incoming mains, ASHP consumption and Inverter input.



Real time consumption circuit monitoring

Monitor energy consumption across their complete portfolio.



Quick install

PowerSense plugs in to a normal mains outlet socket and uses CT clamps to monitor the power consumption.



Full audit trail

You will receive a full audit trail including Current, Power and Power Factors statistics.



Surveyor Cube: Environmental Monitoring Made Simple

Transform your property management with intelligent environmental monitoring that takes minutes to set up and delivers instant results. The Surveyor Cube combines sophisticated sensor technology with artificial intelligence to provide real-time insights and predictive maintenance capabilities.

Your Partner in Awaab's Law Compliance



Comprehensive Environmental Monitoring

From the moment of activation, your Surveyor Cube monitors temperature and humidity levels around the clock. The system delivers real-time readings with instant alerts for concerning conditions, automatically documenting everything for your records.



Instant Deployment With Immediate Results

The Surveyor Cube brings true plug-and-play simplicity to environmental monitoring. Any team member can install the device in minutes without special tools or technical expertise. There's no disruption to residents—simply unbox, power up, and start receiving data.



Intelligent Analysis Through Machine Learning

The Surveyor Cube transforms environmental data into actionable insights through advanced machine learning. By analysing patterns across your property portfolio, it helps predict and prevent issues before they develop, shifting your maintenance strategy from reactive to proactive.



HomeHub: Collaborative Maintenance Redefined

Unlike other devices, HomeHub conducts in-property analytics, autonomously suggesting actions in the resident's preferred language, via its 7-inch touch screen. This sophisticated yet user-friendly device empowers residents to control their own living environment, while its compact design ensures it fits unobtrusively in any home. As the social housing sector faces increasing pressure to provide safer, more efficient homes, HomeHub offers a solution that not only meets current demands but is designed to evolve with future needs.



More than a Thermostat

It's an AI-powered smart home system that goes beyond traditional heating control.



Multiple languages

HomeHub supports multiple languages and allows residents to set their preferred language.



Direct Communication

It enables direct and proactive communication directly to the resident.



In Property Analytics

HomeHub offers real-time insights into environmental conditions detecting early signs of dampness & mould.



GSM Connectivity

With GSM connectivity you are always-connected with real-time monitoring and remote updates.



Touch Screen

HomeHub features an intuitive 7 inch colour touch screen that empowers residents to easily access.



MeterSense: Heat Network Metering Made Simple

Heat networks are under the spotlight. New regulations mean housing providers have fresh responsibilities—and more scrutiny than ever. The risks of non-compliance are real: financial penalties, reputational damage, and increased scrutiny from regulators and residents alike. MeterSense by Vericon is the simplest, most reliable way to meet your obligations, protect your residents, and take the stress out of compliance.



Universal Compatibility

Works seamlessly with all leading heat meters and HIUs, including M-Bus, Modbus, Ebus, Opentherm, and Emsbus protocols.



Real Time Consumption Monitoring

Delivers up-to-the-minute, per-property data for accurate billing and performance management.



GSM Connectivity

Operates independently of Wi-Fi, ensuring secure and reliable data transmission in any environment.



Live Data & Reporting

Access comprehensive usage data and detailed reports at any time through the Vericon portal.



Add Resident Engagement

HomeHub in-home display empowers residents to view and manage their own energy consumption.



Add Boiler Monitoring

Tracks boiler or ASHP health, and key HHSRS risks to support healthier, safer homes.



Our Partnerships

At Vericon Systems, we take immense pride in partnering with some of the most innovative and forward-thinking businesses in the industry. Collaboration is at the heart of everything we do. By working closely with our partners, we're able to blend unique perspectives, share knowledge, and push the boundaries of what's possible.

This spirit of cooperation means we don't just deliver services—we create tailored solutions that adapt to the challenges our clients face today, and anticipate the needs of tomorrow. Every partnership is an opportunity to learn, grow, and set new standards together.



EnviroVent is a UK-based leader in the design, manufacture, and installation of low-energy, sustainable domestic ventilation systems aimed at improving indoor air quality and reducing condensation and mould. With over 35 years of experience, the company offers award-winning solutions for homes, landlords, and social housing providers, supported by a nationwide network of qualified engineers

vericonsystems.com/envirovent-partnership



BOSCH

Worcester Bosch is a leading UK manufacturer known for its high-quality gas boilers and innovative heating solutions. The company also offers a growing range of renewable technologies, including air source heat pumps, designed to reduce carbon emissions and energy costs while supporting the transition to sustainable home heating.

vericonsystems.com/hispec-partnership



Hi-Spec is a UK-based electrical services provider specializing in fire safety and emergency lighting solutions for commercial and industrial environments. They ensure full compliance with fire safety regulations by offering tailored installations of escape route lighting, anti-panic lighting, and high-risk task area illumination to support safe evacuations during emergencies.

worcester-bosch.co.uk/professional/vericon



What our clients say.



"We are dedicated to using this technology as a crucial tool in achieving our commitment across our Somerset homes"

Angela Gascoigne | CEO at SHAL Housing

"Testing emergency lighting equipment is an important responsibility, but manual testing is a time-consuming and therefore costly job"

Cameron Jeffrey | Head of Health, Safety and Compliance at Amplus

"Working with the Vericon team and their eco-system has been a refreshing experience. The Vericon trial has given LiveWest an opportunity to fully understand an option as a future service strategy and how the innovative concepts could flow into existing structures and workflows"

Paul Hutchins | Innovations Contract Manager at LiveWest

"So the pilot has clearly been successful in tackling damp and mould long term and helped provide those long-term solutions..."

Luke McCreery | Director of Planned and Commercial Works at CURO

"The implementation of The Surveyor Cube has proved to be a valuable tool for Selwood Housing and our customers, improving resident comfort and aiding in our joint effort to eradicate damp and mould from our housing stock".

Rob McFerran | Selwood Housing

Some of our clients





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