ergro

Inspiration | Integrity | Innovation

Intelligent Monitoring.

Quality engineering, smarter solutions.

Ergro Earth

Intelligent monitoring, aimed at cutting energy use, avoiding major breakdowns, and enhancing comfort and sustainability.

As part of our commitment to Ergro Earth, we have developed a comprehensive five stage strategy to identify and action energy management initiatives with the aim of reducing energy consumption, utilities bills, and carbon emissions. Our intelligent monitoring solution helps us to deliver that commitment.

Monitor.

1. Capture live data on asset performance and energy consumption

Analyse.

2. Interrogate data to identify where assets are operating outside of their controls strategy, identifying hotspots of energy consumption

Recommend.

3. Provide targeted recommendations that reduce energy consumption and subsequent emissions, including changes to controls strategies, replacement systems or the implementation of innovative technology

Scope.

4. We work with our specialist sustainability partners to fully scope each recommendation, including confirming all project energy savings, costs, timescales and return on investment periods

Implement.

5. We manage the delivery of all recommendations, ensuring they are delivered on time and within budget

Reduce energy consumption by up to 50%.

Boost your building's efficiency

Using our modern IT tools, we keep an eye on your building's heating and cooling systems. We track how the equipment works, helping us report on any issues fast. We recommend adjustments based on how many people are in the building and their needs, so no energy is wasted. The monthly report that is produced by us has helped our clients save about 30% on energy, and some even save up to 50%.

Protect your building against avoidable disasters.

Monitor for critical issues or equipment failure

Sleep well knowing unexpected problems won't ruin your day. Our alert system lets our experts know right away if something might go wrong. Whether it's a heating issue, an air conditioning problem, or a sudden leak, we've got it covered. Providing fast responses to fix small issues before they become big ones.
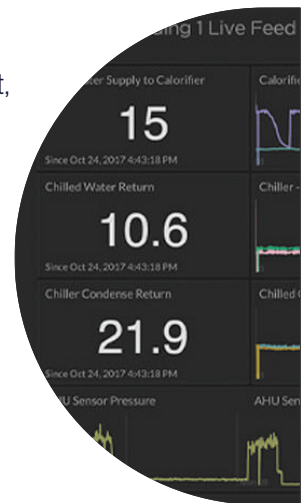
Improve well-being for tenants.

Monitor environmental conditions to ensure a safe and productive environment

Our technology doesn't just focus on equipment. It also looks after the well-being of building occupants. By continuously monitoring factors like maximum occupancy levels, air quality, and room temperatures, we're always in the know. This real-time data empowers us to create a comfortable and safe environment, ensuring satisfaction and health for all.

Reduce unnecessary reactive call-outs

Monitor and diagnose issues remotely

Bid farewell to needless visits and associated costs. Our comprehensive environmental data collection provides a clear view of both current and past conditions. This information not only helps in making informed decisions but also plays a pivotal role in resolving any disagreements over building services efficiently.

Quick, easy to install, and extremely cost effective.

Retrofit solution

Our system effortlessly integrates with any building, regardless of its age, size, or design complexity, without needing to interfere with existing infrastructure or networks. Plus, its installation is quick and non-intrusive, ensuring no disruptions to your daily operations. Best of all, its cost-effectiveness is unmatched, with many buildings realising a return on investment via energy savings in as little as 6 months.

Our data-driven approach revolutionises maintenance practices. By continuously analysing performance data, we're able to assist tailoring maintenance programs that perfectly fit the specific needs of the assets we monitor, all while drastically reducing the risk of unexpected failures. This proactive approach not only ensures smoother operations but also translates to long-term cost savings.

DESK OCCUPANCY
Sensor configured to 60 samples / hour
LAST HOUR
12:00 – 13:00

Monitoring Applications.

HVAC Plant Monitoring
Our comprehensive core plant monitoring setup includes temperature and pressure sensors to accurately measure the operation and performance of key energy-consuming equipment, such as boilers, chillers, air handling units, and large VRV systems, ensuring optimal efficiency and immediate notification in the event of a failure.

Flood & Leak Detection
Install our reliable leak detection sensors to promptly detect moisture and trigger alerts, enabling you to quickly react and mitigate potentially disastrous situations, preventing extensive damage.

Space Temperature Monitoring
Utilise our discreet, unobtrusive temperature sensors in occupant areas to continually monitor comfort levels. This data-driven approach helps reduce unnecessary call-outs and effectively resolve temperature-related disputes.

Air Quality
Deploy air quality sensors both internally and externally, as well as in air extraction systems, to comprehensively measure environmental conditions, including CO2 levels, particulate matter, and chemical presence. Use this valuable data to adjust building settings and demonstrate a strong commitment to occupant well-being.

Legionella Risk Mitigation
Implement our pipe temperature sensors to consistently monitor the temperature of water supplies, tank rooms, and outlets. This advanced approach ensures protection against legionella and significantly reduces the need for regular site visits.

Power Monitoring
CT sensors can be fitted in distribution boards to accurately measure power consumption at a granular level allowing you to identify and target areas and equipment that are over consuming.

Occupancy Monitoring & People Counting
We can provide solutions to measure footfall in and out of a space, or accurate people counting solutions to track desk occupancy or the number of people in a given room or space.

Our web accessible portal is easy to use on your desktop or your mobile phone.

Key Features:

Live Data Feeds

This intuitive and powerful analytics tool will allow you to quickly navigate live telemetry and historical data for every single sensor, allowing you to track detailed performance and diagnose any issues.

Formatted to work on both desktop and mobile this will allow managers and engineers to gain full insight over the building from anywhere in the world.

Floorplans

Use our floorplan tool to help visualise live data within your spaces. Our floorplans can be used to understand current temperature and air quality readings, which areas are occupied or in use, as well as traffic in and out of areas and bathrooms.

Floorplans can be shared with occupiers, shown on live screens within the building, or embedded into your occupier app.

Rules & Alarms

Gain peace of mind from any critical issues or failures within your building. Our rules and alarm system will allow you to set up and trigger notifications to instantly alert you should any type of issue occur. These alerts might include flood notifications, temperatures exceeding limits, plant failure, or even areas becoming over occupied, the possibilities are near endless.

Reporting

Generate automated reports on building performance, air quality and footfall to share with tenants, clients or other stakeholders.

*e*rgro

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