LET'S MAKE SCHOOL SUSTAINABILITY GOALS EASIER TO MANAGE

Monitor and optimize your building operations from anywhere, while supporting operational needs and regulatory requirements

Honeywell Remote Building Manager
Application Brief

Honeywell

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WHEN SCHOOL BUILDINGS PERFORM SO DO STUDENTS

As centers of development, schools have the potential to transcend their structures. They're places where students, educators, and staff invest substantial time, effort, and bonding – and hence schools can become foundational to growth and identity, both for students as individuals and for our communities.

As structures, then, responsibility rests on school leaders and facility managers to create safe, secure, comfortable environments that can foster that development.

WHY SUSTAINABILITY MATTERS FOR SCHOOLS

Indoor environmental quality (IEQ) is increasingly seen as an important consideration for understanding how buildings affect the well-being of the people who use them – from their health to their focus and productivity. IEQ is also an effective way to understand how buildings such as schools can support sustainability goals.

Improving indoor environmental quality means tracking and managing factors like comfort, air quality, energy consumption, and space utilization.

These elements must be monitored and optimized to support occupant well-being and overall building health. Yet careful management of the indoor environment should also account for how the school affects the broader external environment.

Sustainability has become a priority across the country, and globally. Worldwide, the drive towards achieving net-zero carbon emissions by 2050 has sparked interest in alternative materials and renewable energy sources. In turn, the surging demand for products and capabilities that support sustainability underscores an urgent need for smart solutions to manage them.

As a result, many facility managers face a tough task: They must ensure safety and well-being within their building while also demonstrating compliance to evolving standards set by governments, regulatory agencies, and advisory bodies.

At first glance, this can sound contradictory: "Use more energy to ventilate for indoor comfort and building health," versus "Use less energy to reduce environmental impacts."

Fortunately, that simplistic impression doesn't tell the real story. Improving indoor environmental quality can and should reinforce sustainability goals – with the right data and strategy to turn a seemingly vicious circle into a virtuous cycle.

However, we know that striking this balance can sound daunting. And the problem usually lies in traditional building management systems (BMS). Like an old textbook, these systems are often outdated and complicated.

They may not provide the right building data, for example, or they may not be compatible with new systems and other devices.

That's why we've developed Honeywell Remote Building Manager – a modern, cloud-based platform for easily understanding and managing the building needs you face now, such as IEQ and sustainability goals.

DATA-DRIVEN BUILDING MANAGEMENT, ENABLED BY THE CLOUD

Schools, universities, and educational estates present various challenges, as each building is different in size and age. Each building may also have a range of technologies installed from differing brands and eras.

Remote Building Manager can integrate these diverse technologies and then connect you to your buildings from virtually anywhere, anytime and on almost any web-connected device. You can then manage a single building or multiple sites from a central point.

As a secure, cloud-based supervisor, Remote Building Manager integrates with your existing BMS and devices. Once in place, the system can create a “digital twin” of your building. With a window into your building’s infrastructure, you can closely monitor and manage air quality and energy consumption.

Remote Building Manager gives you the capabilities to:

- Connect to your BMS remotely and securely via the cloud
- Manage energy consumption and distribution
- Adjust system set points and scheduling for individual or multiple sites
- View and respond to system alarms and issues in real time
- Identify patterns and trends in historical system data
- Easily add and remove any number of buildings or sites as needed
- Quickly generate reports to demonstrate compliance with regulations

Critical data from the system can be visualized in various formats, including live dashboards, customizable tables, and automated maps. Whether it’s in the office or at home, you can view and edit schedules, automate maintenance activities, or set alarms and setpoints by list, site, zone, or equipment level.

And when your building is easier to manage, it’s easier to achieve strategic goals such as supporting sustainability goals.

But the value of Remote Building Manager extends beyond greater visibility and control. It also enables you to navigate the maze of current and upcoming regulations.

Honeywell Remote Building Manager Dashboard

HOW REMOTE BUILDING MANAGER CAN SUPPORT COMPLIANCE

Cities and organizations around the world are setting Net-Zero requirements for new construction, some of which take effect as early as 2030. To achieve this, building planning teams first model energy usage, adapting their building design to align with demand. Then they add renewable energies sources, like wind and solar power, or use purchased power agreements to make up for energy expenditures.

Knowing your building produces only as much power as it needs helps to keep energy costs consistent. As you work with your contractor to implement sustainability strategies in your school, it also helps to keep decisions grounded by life-cycle cost analysis.

Consider both the initial and long-term operational costs of retrofitting projects, new construction, or consolidating building systems that impact sustainability, such as heating, ventilation, and air conditioning.

Using Honeywell Remote Building Manager, you can benchmark how your building performs against similar buildings in your region. It's also simple to generate comprehensive reports of your site's performance with respect to regulatory requirements, as well as reports showing how buildings within your educational estate align with other key performance indicators that matter for your district and community.

The operations of buildings account for **30% of global final energy consumption** and **26% of global energy-related emissions**[1] (8% being direct emissions in buildings and 18% indirect emissions from the production of electricity and heat used in buildings).*

1. Energy sector CO2 emissions include emissions from energy combustion and industrial processes.

*. The International Energy Agency https://www.iea.org/energy-system/buildings

LET'S MAKE SCHOOL FACILITY MANAGEMENT EASIER

As the past few years have shown, needs and requirements can change quickly. Sustainability concerns and legislation will continue to evolve as a global mega-trend, making it an important consideration for school management and planning.

Honeywell Remote Building Manager is designed to help you meet these needs and adapt over time, easily and cost-effectively, with the staff, resources, and infrastructure you have.

It's a budget-friendly solution that works where you are, and it's ready now to help you overcome the biggest challenges of building management through remote connectivity, data-led insights and advanced capabilities that can enable the digital transformation of your building.

With Remote Building Manager, our goal is to help you stay connected and in control of your school, on campus, off site, and over the years to come.

IS YOUR FACILITY READY TO MEET ITS SUSTAINABILITY NEEDS?

We're here to help you create a more cost-effective, comfortable and sustainable learning environment.

Let's make building management easier for education
Book a free consultation to find out.
hwll.co/RemoteBuildingManager

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