



# Meet the **New Standard** in Building Management Solutions for Schools





# Is your school making the grade?

Learn why a growing number of schools are turning to Distech Controls' proven building automation and energy management solutions to help them achieve greater results.

Distech Controls offers a completely integrated building management system that is core to your K-12 school's comfort requirements and sustainability strategy. Our Web-based platform provides a unified solution for school facilities, integrating HVAC, Lighting, Access Control, CCTV and Energy Management solutions.

Distech Controls' building management system allows you to lower energy and operational budgets and reduce the lifecycle cost of your school facilities, all while creating a comfortable, healthy and productive academic environment for your students, teachers, administrators and support staff.



## □ Provide Optimal Learning Environments



There is much evidence to suggest that the quality of the physical environment in a school has a significant impact on student performance, influencing everything from concentration, to attendance, to test scores, as well as the school's ability to attract and retain the best teachers. With this much at stake, it remains essential for school administrators to provide high-performance buildings that are able to foster success.



- **Implement** comprehensive building controls, energy management, monitoring and optimization solutions with one unified and integrated building management platform, including HVAC, indoor and outdoor lighting, energy management, utilities metering, access control, CCTV and other custom applications.
- **Optimize** environmental conditions, including CO<sub>2</sub> levels, ventilation, temperature and humidity in all spaces.
- **Benefit** from a fully integrated access control and video security with an intuitive Web interface that can be configured and managed by IT, security or administrative staff.
- **Monitor** and control access and video surveillance via a single interface.
- **Improve** indoor air quality with innovative control products that integrate the latest technologies and standards.



Let us show you how our expertise, technology and innovative solutions can make your school more comfortable, efficient and sustainable.



## Reduce **Energy** Costs

As the single largest line item in most school budgets, energy costs have a direct impact on the quality of the learning environment that administrators can provide their students. More often than not, schools are forced to direct a disproportionate amount of their shrinking budgets towards these mounting expenses, to the detriment of much-needed educational programs and building and technology improvements.

- **Implement** a system that offers integrated energy efficient control sequences.
- **Continuously optimize** building energy use by setting usage conditions based on schedules, weather conditions, occupancy or daylight sensing.
- **Benefit** from our wireless, battery-less sensor technology; an efficient solution for open spaces, changing room configurations or difficult to wire spaces such as atriums.
- **Leverage** real-time utilities metering and monitoring, and avoid unfavorable peaks with alarming and automated load shedding activities.
- **Achieve** over 30% energy and operational cost savings, while reducing your carbon footprint.

## Ensure Your System is Always **Performing** Efficiently

For school administrators, gaining control of their energy spend is essential, but they also need to ensure that their building automation system runs optimally at all times, reducing maintenance, operational and equipment costs, all while maximizing student comfort.

- **Free** your administrative and support staff from time-consuming tasks with a system designed for ease of use.
- **Use** settings for both preventative and scheduled maintenance, including monitoring of equipment quality and filter changes, to reduce operational costs and increase efficiencies.
- **Identify** poorly performing equipment before occupants complain and reduce operational costs with auto diagnostics capabilities such as our VAV Performance Assessment Control Charts (VPACC) feature.
- **Benefit** from quality products, fully tested before leaving the factory, ensuring long-term performance and unequalled reliability.



## ☐ Reduce Lifecycle Costs & Ensure the Best **Return on Investment**

Bound by inefficient and inflexible systems and technology, many school administrators are finding it increasingly difficult to take control of the substantial lifecycle costs associated with operating their aging school buildings. Additionally, many existing systems are difficult or impossible to upgrade, further contributing to higher maintenance and repair costs over the life of their buildings.

- **Adopt** a truly open platform, creating a sustainable foundation that supports and evolves with your building system's lifecycle.
- **Ensure** the long-standing performance and value of your system with a partner that is committed to industry and IT standards, and offers interchangeable components, continuous availability of compatible hardware, backwards compatibility and best-of-breed solutions.
- **Benefit** from a flexible and scalable system that can be adapted to your changing requirements.

## ☐ Control **Results** & Share Your Initiatives

For school administrators and facility managers, gaining an understanding of exactly where their energy dollars are going and being able to identify areas of improvement are also priorities. Additionally, growing awareness and demand mean that decision makers face pressure to cut their school building's carbon footprint.



- **Gain** improved visibility and control of your energy performance with powerful, real-time reporting and analytics easily tailored to your specific operational and functional needs.
- **Engage** students, teachers and administrative staff in being better custodians of our environment, while using the school building itself as a valuable teaching tool.
- **Easily identify** energy and operational performance outliers and assess cost-effectiveness to take proper actions and optimize resource efficiencies.
- **Demonstrate** your commitment to reducing energy and operational costs and help foster grassroots support by displaying your energy management dashboard in kiosk mode.





EC-Net<sup>AX</sup> Web-based multi-protocol building management solution provides the power to do more, with cost-effective and scalable integration of all your control, monitoring and operational needs.



With a wide array of HVAC control products for both LonWorks<sup>®</sup> and BACnet<sup>®</sup>, Distech Controls offers a cost-efficient solution for all your new or retrofit project needs.



EC-Net<sup>AX</sup> *EnerVue*, graphics-oriented, Web-based energy management dashboard application allows you to identify and optimize resource efficiencies and sustainability, while a kiosk view lets you demonstrate your efforts to students, parents, faculty and administrators alike.



## Delivering the New Standard for College & University Campuses



EC-Light lighting control system allows you to take full advantage of both energy efficient electrical lighting and daylight sensing to reduce visual strain and optimize lighting quality.



EC-Net<sup>AX</sup> *Security*, comprehensive, easy-to-use access control and closed circuit television (CCTV) solution is built on a truly open, Web-based platform, seamlessly extending your building management system.



Allure<sup>™</sup> EC-Smart-Vue communicating sensor integrates temperature, humidity, CO<sub>2</sub> and motion sensors, optimizing installation costs, while its innovative ECO-Vue<sup>™</sup> leaf pattern graphically indicates energy consumption in real time, promoting energy-conscious behavior.



Open-to-Wireless<sup>™</sup> wireless, battery-less sensors and switches offer many benefits for school buildings, including adaptability to changing requirements, cost and time reduction at installation and optimized sensor placement regardless of building materials.



## Innovative Solutions for Greener Buildings™

An innovation leader in energy management solutions, Distech Controls provides unique building management technologies that optimize energy efficiency and comfort in buildings, all the while reducing operating costs. We deliver innovative solutions for greener buildings through our passion for innovation, quality, customer satisfaction and sustainability.

Distech Controls serves multiple market segments through its worldwide business divisions, service offices and a superior network of Authorized Partners.

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**DISTECH**  
CONTROLS™

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Authorized Partner

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