inView™ Energy and Building Management

Gain insight and control over your entire operation

Reduce energy costs, ensure equipment performance and environmental conditions with inView. Easily monitor and control heating, cooling, and lighting. Know the costs to operate buildings and individual mechanical systems. Track water and gas use, including BTU and flows. Avoid demand charges by scheduling equipment use for off-peak times. Report on temperature, humidity and air quality. Know about equipment problems, electricity outages, or temperatures outside of a range with proactive and customizable alerts.

Turn your buildings and equipment into an informative internet of things (IoT) network with our monitoring and control technology – inView from PowerWise.

Network Flexibility

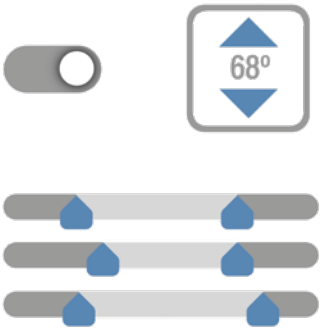
Integrates with other systems

Advanced Analytics

Sophisticated reports & asset management

Controls and Schedules

For lights, equipment, and temperatures



207-370-6517 www.powerwisesystems.com sales@powerwisesystems.com

inView: monitor and control buildings and equipment...

inView software is designed to make energy management easy at every level. Displays show energy use and cost data to make savings easy. Interactive graphs enable you to correlate energy use with environmental conditions or specific equipment, and let you select which data to show. Programmable alerts and controls integrate with smart thermostats, lights, and the sensor network to automate or streamline response.

inPower

inPower measures electricity use or renewable energy production, with a revenue grade model for submetering in multi-tenant buildings. With the PowerWise inGate, the inPower sends electricity data to the cloud and integrates with sensors, meters, and controls for a comprehensive view of building and mechanical systems.

inBridge

The inBridge's Zigbee technology sends wired Modbus RTU equipment data wirelessly to the inGate. inBridge works with electricity meters, air quality sensors, lighting controllers, water meters, refrigeration controllers, and kitchen equipment. The inBridge has an indoor range of 200' and a line-of-sight range of 4000.' The radio can be upgraded for added range.

inSense

inSense measures temperature and relative humidity, and sensor combinations can detect volatile organic compounds (VOCs), including alcohols, aldehydes, aliphatic hydrocarbons, amines, aromatic hydrocarbons, CO, CH4, LPG, ketones, and organic acids.

for energy conservation, cost savings, and operational efficiency.

Typical inView applications: Air quality, temperature, and equipment monitoring with reports and alerts • Electricity monitoring • Heating and cooling controls with smart thermostats • Lighting and refrigeration controls • Natural gas and propane metering • Solar production monitoring • Tenant submetering • Water metering, including storage tank water levels • Research on equipment and building efficiency

inGate

inGate is a commercial-grade ethernet gateway designed for data monitoring and control of building systems, integrating performance and control data with the inView application. inGate offers turnkey functionality and supports Modbus RTU and Zigbee 3.0.

The device directly integrates with • Controllers • Data acquisition devices • Electric meters • inSense wireless • Select Zigbee sensors and thermostats • Water flow and BTU meters • Wireless bridges

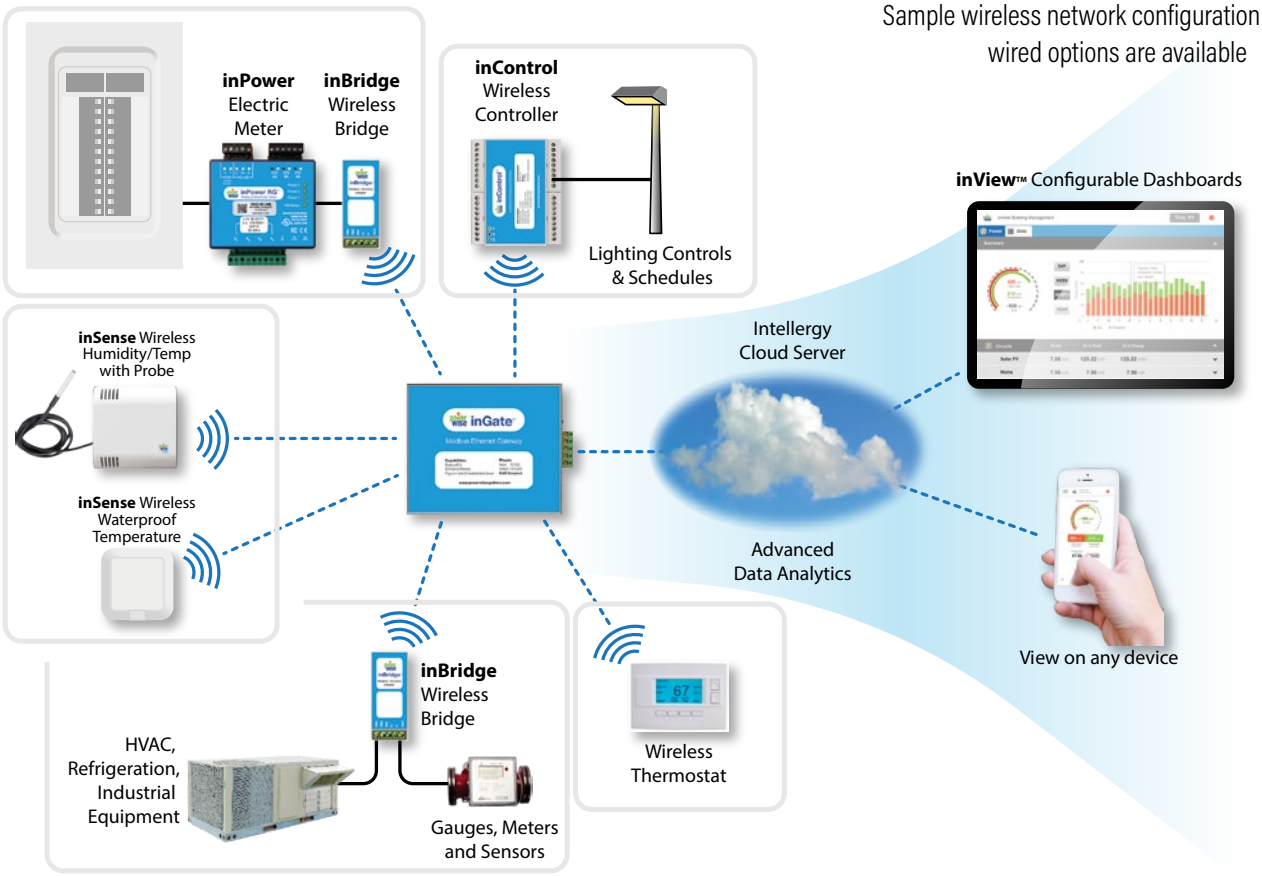
inControl

inControl offers on/off and variable-speed controls to schedule lighting or control valves and fans. inControl can communicate with the inGate via wired or wireless (Zigbee) networks. inControl sends and receives commands from user interaction, automated schedules, or analytics with bidirectional communications.

inSense Waterproof

inSense WTW is a wireless, waterproof temperature sensor. It can be mounted indoors or out, and can be equipped with an external sensor.

inView Network and Details



Sample wireless network configuration diagram; wired options are available

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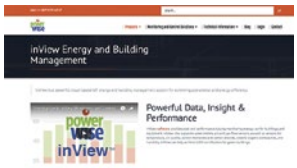
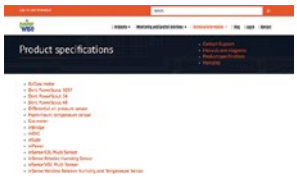
Visit our Web site

www.powerwisesystems.com/products/inview/



Technical specifications

www.powerwisesystems.com/support/product



About PowerWise

Created in 2010, PowerWise provides commercial-grade monitoring and control technology for new construction and existing buildings.

The PowerWise team is extremely knowledgeable in the building monitoring and management field, with real-world experience that drives the creation and sales of creative, flexible, and cost-effective solutions.

The proof is that our solutions have been chosen by national brands, and have been used by universities, utilities, and agencies to validate new technologies and establish best practices for building and energy efficiency.

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