

# Oceana Sensor

## “Adding Wireless to Sensors”

### Building Automation Applications

Traditional monitoring systems for building automation are expensive to install and difficult to maintain. With wired solutions, building owners face high material and labor costs. Meanwhile, point-to-point wireless networks are prone to failure due to challenging commercial environments.

Oceana Sensor solves these problems by providing a robust, wireless sensor networking platform for a wide range of OEM building automation solutions. Oceana Sensor's WSeM™ products are simple to integrate, install and maintain. With Oceana Sensor, OEMs can provide reliable building automation solutions wherever they are needed.

#### **Oceana Sensor Benefits its OEM Customers by Delivering:**

- Dramatically lower installation cost. WSeM(tm) products allow OEMs to offer lower-cost systems and increased functionality for both new and retrofit projects
- Ultra low-power networks requiring very low maintenance costs over their life
- Reliable data acquisition
- Full visibility of environmental conditions to manage resources and save energy
- Easy configurability for specific building applications

#### **WSeM™ helps OEM Solutions Benefit End Users by:**

- Shortening installation time – from days to hours
- Reducing energy costs
- Allowing minimal structural modifications
- Providing optimal occupant comfort

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# **APPLICATIONS MADE POSSIBLE BY WSeM™ ENABLED OEM SOLUTIONS**

## **Energy Management**

A typical building can achieve 20% annual savings in energy costs through monitoring solutions. By dramatically reducing the cost of installation, WSeM™ products enable OEMs to provide economically viable building automation solutions to help their customers lower energy expenditures and maximize occupant comfort.

## **HVAC Control**

OEMs can easily integrate WSeM™ products to provide HVAC control solutions that monitor occupancy, temperature, and airflow to greatly improve indoor air quality and occupant comfort. With a reliable wireless sensor networking solution, HVAC systems can be quickly retrofitted to enable advanced monitoring and control functionality.

## **Security Systems**

WSeM™ products can assure a safe and comfortable work environment by enabling OEM solutions that provide reliable monitoring and granularity needed in a robust security solution. Tenants and building owners can now have a low-impact, low-cost solution for security coverage.

## **Environmental Monitoring**

Wireless sensor networks allow a non-invasive means of monitoring and diagnosing moisture levels, pollutants or gas detection to ensure safety, comfort and regulatory compliance in buildings.

## **Lighting Control**

Wireless sensor networking products from Oceana Sensor allow OEMs to offer practical, cost-effective lighting control solutions that can help building owners capture up to 40% energy savings and avoid losing that benefit to high installation or retrofit costs of wired systems.

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