SievaSensors
completely integrated environmental sensing

Sieva Networks

Real-Time Environmental Monitoring

SievaSensors from Sieva Networks is the most comprehensive environmental sensing option for industrial and commercial needs. Sensor options include temperature, humidity, water leaks and others. All sensors are wireless enabled with the ability to seamlessly drop in and out of the wireless network. Real time monitoring permits sensor data to be viewed online or even on cellular networks. Pre-defined thresholds can be set for sensing data and alerts can be provided if thresholds are exceeded.

SievaLink Secure Gateway

All of our sensor applications use a customizable and versatile gateway that serves as information aggregator from the active tags and wireless sensors. It comes in multiple form factors and can be enabled for small, large or mobile deployments. The gateway supports multiple wired and wireless protocols over USB, Bluetooth, Wi-Fi, Zigbee, Zwave, and Ethernet attached devices. This allows integration of existing devices with the Sieva solutions for building and deploying customized solutions. The gateway can be deployed in indoor or outdoor environments and the aggregated data, that is collected periodically or on-demand from the connected devices, sensors and tags is pushed to the customized cloud based portals using cellular, Wi-Fi, Ethernet uplinks. The portal provides data-formatting, analysis, charting, notification and automated monitoring. Additionally the applications such as SMS, Email, Tweets and social networking tools can be integrated for proactive and policy based notifications.

SievaSensor Applications

- Real-time temperature monitoring for retail, medical and industrial applications
- Humidity sensing
- Water detection (e.g. due to leaks from pipes)
- Asset tracking for high value assets
- Many other sensor options as well as customizable solutions available

Retail Cold Storage
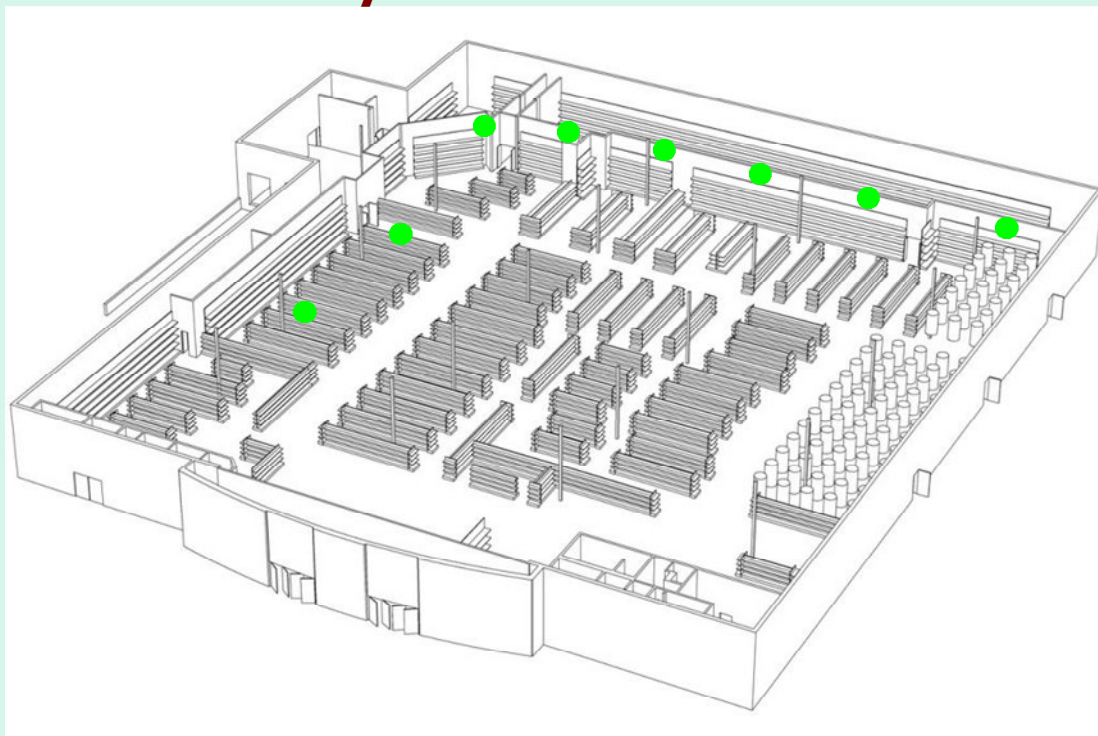
Oil Refinery

Warehouse

Retail Store Layout

Wireless Sensors Placed Through Store

A Typical Retail Deployment

- Sensors are placed throughout the store (to measure temperature, moisture, water etc)
- All sensors are wirelessly enabled with long battery life
- Sensors seamlessly integrate with SievaLink Gateway that provide multiple options for connectivity (WiFi, Cellular, Ethernet etc)
- All data is stored for days/months/years and can be accessed online
- Real-time alerts can be sent for threshold violations through SMS, email, voice mail or visual images

Example of Stored Temperature Data That is Measured in Real-time and Stored Online