WatchNET IoT

Connect Any Thing, Connect Any Where
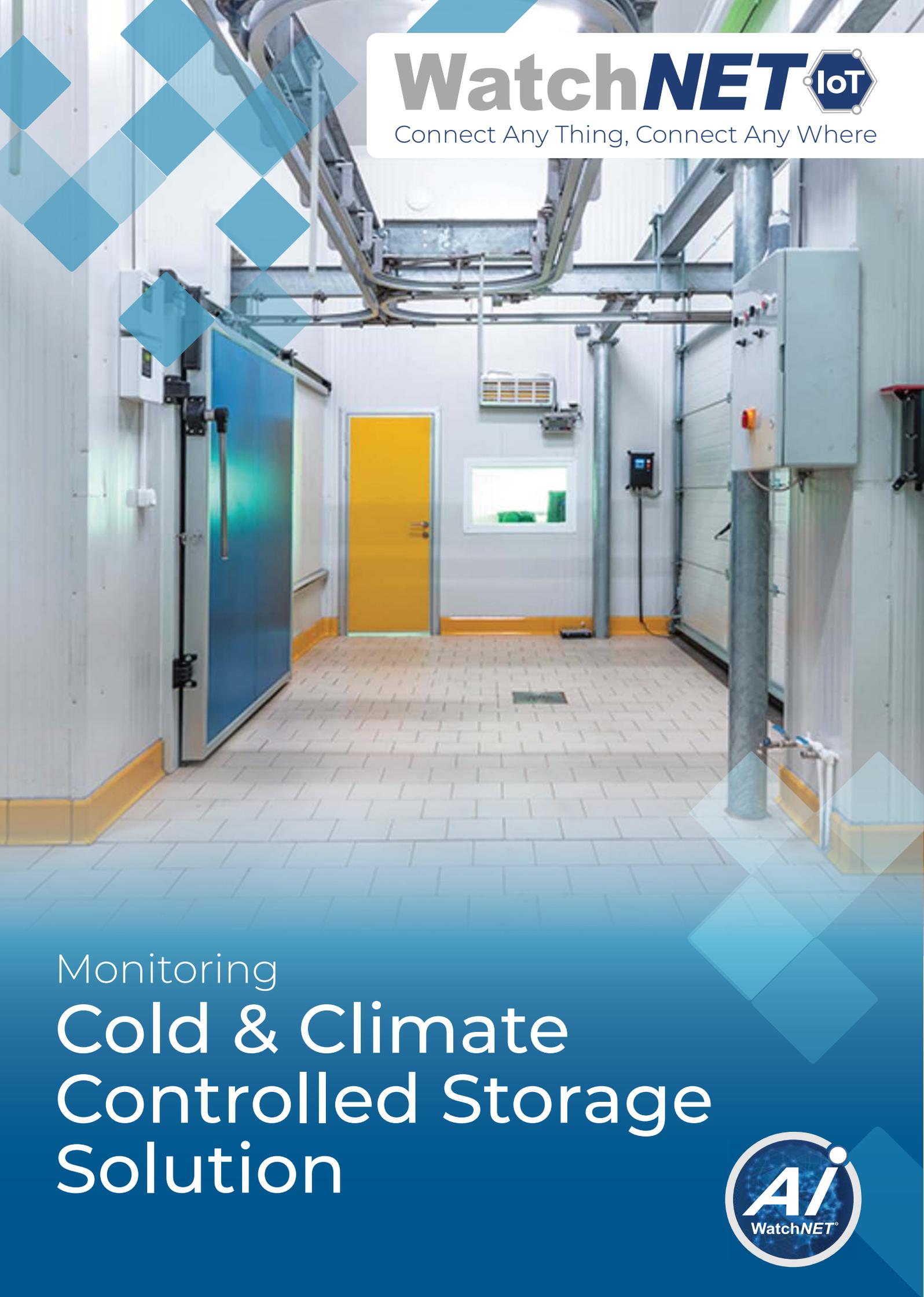
Monitoring

Cold & Climate Controlled Storage Solution

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Cold storage automation or special climate-controlled facilities like laboratories are at risk when the environment is not scrutinized. Vaccines that are not stored and administered under ideal conditions cannot ensure the effect that's intended by the manufacturer.

Cold storage automation for food and also warehouses need to be under similar environmentally monitored conditions.

Government electronic compliance records and exchange of health information put much pressure on employees to keep up-to-date logs in their storage. An automated process by the Watch*NET* IoT platform makes things easier for employees and corporations.

How System works?

Wireless IoT Sensors

IoT Gateway

WatchNET Cloud & APP

Measurable Key Metrics

Few of the metrics that Watch*NET* IoT can monitor and analyze cold storages or special climate-controlled storages are as below

Humidity of the Room inDifferent Zones in the Facility

Wireless Temperature and Humidity Sensor For Low Temperature

This commercial-grade temperature and humidity sensor can be used to monitor the temperature and humidity of a low-temperature environment and notify personnel by a text message, email or phone call, through our hosted online platform if the values go out of the set optimal range. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surface.

WLRC-S16L

Temperature of the Room / Facility from Different Points

Wireless Temperature and Humidity Sensor For Low Temperature

This commercial-grade temperature and humidity sensor can be used to monitor the temperature and humidity of a low-temperature environment and notify personnel by a text message, email or phone call, through our hosted online platform if the values go out of the set optimal range. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surface.

WLRC-S17

Single or Dual Probe Thermocouple to Monitor Temperature and Responds to Even Minimal Changes

Wireless 2-Gang Thermocouple Sensor - Type K

This commercial-grade K Type thermocouple sensor can be used to monitor the temperature of the specific substance or environment and notify personnel by a text message, email or phone call, through our hosted online platform if the values go out of the set optimal range. The device comes in a sealed box making it moisture-proof and it withstands extreme conditions. This sensor is rugged and IP65 rated for a humid and moist environment. This device has a magnetic back panel that can be mounted on any metal surface.

WLRC-S18K2

Three phase Current Meter to Monitor and Determine the Efficiency

Wireless 3-Phase Current Meter with 3 x 75A Clamp

This commercial-grade current meter can be used to monitor the current usage of any equipment, whether it is a single-phase or a three-phase. The device comes in a sealed box making it moisture-proof and it withstands extreme conditions. This device can be installed on any metal surface as it comes with a built-in magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing set-up. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using higher current than specified by the manufacturer.

WLRC-M375

Single Phase Current Meter to Monitor each Compressor can Determine the Efficiency

Wireless 1-Phase Current Meter with 1 x 75A Clamp-On

This commercial-grade current meter can be used to monitor the current usage of any equipment whether it is single-phase or three-phase. The device comes in a sealed box making it moisture-proof and withstands extreme conditions. This device can be installed on any metal surface as it comes with a built-in magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing set-up. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using higher current than specified by the manufacturer.

WLRC-M175

Monitor Water Leaks in Cold and Climate Controlled Storage Areas

Wireless Water Leak Detector with Rope Sensor

This sensor helps detect water leak detection accurately and sends out notifications immediately. Supervised online/offline status and battery monitoring ensures the readiness of the product when it occurs. Water detection rope can be extended up to 300m (1000ft) for monitoring larger rooms.

WLRC-D14

Door Contact Sensor can be Installed to Monitor Door Opening or Closing and if Open for too Long

Wireless Dry Contact Interface

This commercial-grade sensor can be connected to external dry contact devices, such as various switches, buttons, relays and reed switch outputs. It can detect the closure or disconnection signal from the dry contacts. Based on the SX1276 wireless communication module, wireless communication is secured with proprietary encryption.

WLRC-I14

Wireless RS485 Adapter

This device is an RS485 to Wireless Converter that can communicate to devices that use the RS485 communication protocol. This adaptor uses 12V DC power. Cloud based control and notifications from legacy devices is not possible.

WLRC-A11

Wireless Occupancy/Light/ Temperature Sensor

This commercial grade occupancy sensor is a three-in-one device that can give information about the presence, temperature and light level of any room. These three factors combined can ideally monitor any room or area for the time it is occupied. It can even be used as a security device to detect intrusion in all the premises.

WLRI-S25

Wireless Vibration Sensor - Rolling Ball Type

This commercial grade sensor helps pick up small vibrations or movements with this rolling ball type vibration detector. It can be used as a glass break sensor, material or surface vibration, intruder prevention and so on. This device has a magnetic back panel that can be mounted on any metal surface. Immediate alerts can be sent by a text message, email or phone call through our hosted online platform.

WLRC-S19R

Wireless Vibration Sensor - Spring Type

This commercial-grade vibration detection sensor can be used to detect vibrations on mechanical equipment and on any surface that needs to monitor vibrations. The device is small and has a sleek design, making it easy to install and handle. This device can be used to monitor machinery, vibrations for too long, vibration count per day and no vibration at all. This device helps in predicting maintenance by analyzing the efficiency of the machine on a daily basis.

WLRC-S19S

Gateways

Watch*NET* IoT gateways are one of the smart and intelligent devices within our IoT ecosystem.

It collects data from devices that do edge-based processing and then sends it to the cloud for storage, display and analytics.

This gateway works as a stand-alone controller to link devices connected to it and triggers actions accordingly to input logic to output devices. Basic or complex rules can be set on this gateway, that can work in an online or offline state within the network.

• Edge-based Data Processing
• LAN, WAN and Connectivity
• Low Bandwidth Consumption
• Built-in Wi-Fi Gateway

Wireless Smart IoT Gateway

This intelligent smart gateway provides connection to the cloud and control of devices connected. Multiple technologies for communication such as LAN and WiFi makes this gateway deployment easy in any building. Easy installation and configuration makes it ideal for small or large environmental monitoring and control projects. The built-in powerful antenna is capable of receiving long-range signals.

WLRI-G11

Mini Smart Gateway

This small form factor smart gateway provides connection to the cloud and local control of devices connected to it. It is easy to install and configure making it ideal for small environmental monitoring projects as it is also economical. The built-in powerful antenna is capable of receiving long-range signals.

WLRI-G12

Watch*NET* IoT Cloud Software & Mobile APP

✔ Around-the-clock monitoring
✔ Compatible with over 100 sensors & devices
   (LoRa & NB-IoT)
✔ Real-time status update
✔ Instant alerts and notifications
✔ Customizable dashboard & floor layouts
   with quick data visualization
✔ Manage data from one platform
✔ Intuitive report with accurate historical records
✔ Powerful eMAP - data visualization with
   actionable decisions
✔ Enhanced data logging
✔ Impressive web-based interface and mobile APP
✔ Powerful offline linkage feature enables the
   devices to act in critical scenarios, even if the
   smart suggestions and warnings
✔ Intelligent analytical engine can provide smart
   suggestions and warnings
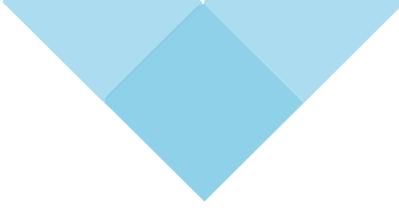
Cold Storage Sensors

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Vibration Sensor, Spring Type

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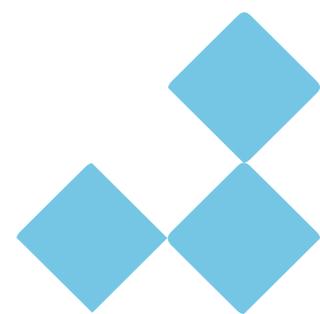
Watch**NET** ®

SECURITY SINCE 2000

20
YEARS

WatchNET IoT Industry Solution

Products of Watch*NET* are Certified with:

CE   FC   UL

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