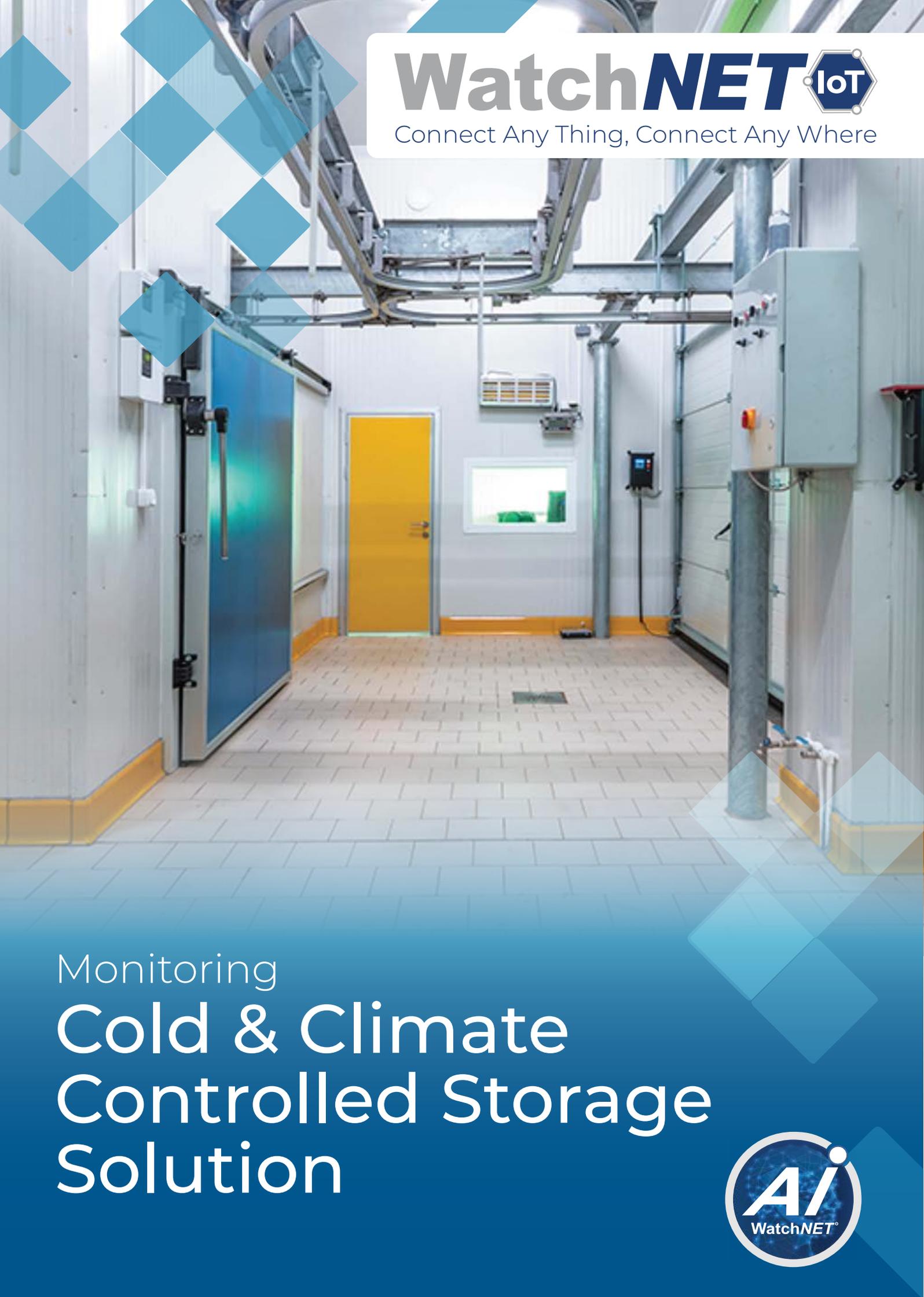


The logo for WatchNET IoT, featuring the word "WatchNET" in a bold, sans-serif font, with "IoT" in a smaller font inside a hexagonal shape with a circuit-like border.

Connect Any Thing, Connect Any Where

A photograph of a cold storage room interior. The room has white walls, a tiled floor, and a yellow door. There are various pipes, conduits, and electrical panels visible. A blue diamond pattern is overlaid on the top left and bottom right corners of the image.

Monitoring  
**Cold & Climate  
Controlled Storage  
Solution**



# Cold & Climate Controlled Storage Solution

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

Climate controlled storage for food and also warehouses need to be under similar environmental monitored conditions.

Government electronic complacence records and exchanges of health information put much pressure on employees to keep up-to-date logs on their storage.

An automated process by the WatchNET IoT platform makes things easy for employees and corporations.



## How System works?



# Measurable Key Metrics

Few of the metrics that WatchNET IoT can monitor and analyze Cold storages or special climate-controlled storages:

## Humidity of the room at different zones in the facility



### Wireless Temperature and Humidity Sensor For Low Temp **WLRC-S16L**

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



## Temperature of the room/ facility at different points



### Wireless Temperature and Humidity Sensor For Low Temp **WLRC-S17**

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



## Single or dual probe thermocouple to monitor temperature and respond even minimal changes.



### Wireless 2-Gang Thermocouple Sensor -Type K **WLRC-S18K2**

This commercial-grade K Type thermocouple sensor can be used to monitor the temperature of the specific substance or environment and notify personals by SMS, email or phone call from our hosted web platform if the values go out of the optimal range. The device comes in a sealed box making it moisture-proof and 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 surfaces.



## Three phase current meter to monitor and determine the efficiency



### Wireless 3-Phase Current Meter with 3 x 75A Clamp **WLRC-M375**

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 an inbuilt magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing setup. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using high current than specified by the manufacturer.



## Single phase current meter to monitor each compressor can determine the efficiency



### Wireless 1-Phase Current Meter with 1x75A Clamp-On **WLRC-M175**

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 an inbuilt magnet. The core of this sensor that goes around the live wires can be opened and are easy to install on an existing setup. Current monitors can help in predictive maintenance of any equipment that may overdraw or work using high current than specified by the manufacturer.



## Water leak sensors for storage area.



### Wireless Water Leak Detector with Rope Sensor **WLRC-D14**

Accurate water leak detection with immediate notification. Supervised online/offline status and battery monitoring ensure product readiness when it occurs. Water detection rope can be extended up to 300m (1000ft) for larger room monitoring.



Door Contact Sensor can be installed to monitor door status and door open for too long.



### Wireless Dry Contact Interface **WLRC-I14**

The WLRC-I14 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 of the dry contacts. Based on SX1276 wireless communication module, wireless communication is secured with proprietary encryption.



### Wireless RS485 Adapter **WLRC-A11**

WLRC-A11 is RS 485 to Wireless Converter that can communicate to devices that use RS485 communication protocol. This adaptor uses 12V DC power. Cloud based control and notifications from legacy devices is not possible.



### Wireless Occupancy/Light/ Temperature Sensor **WLRI-S25**

WLRI-S25 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 occupied. It can be used as a security device to detect intrusion of all premises.



### Wireless Vibration Sensor, Rolling Ball Type **WLRC-S19R**

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, etc. This device has a magnetic back panel that can be mounted on any metal surfaces. Immediate alerts can be sent by SMS, email or phone call from our hosted web platform.



### Vibration Sensor, Spring Type **WLRC-S19S**

This commercial-grade vibration detection sensor can be used to detect vibrations on mechanical equipment and on any surfaces 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 predictive maintenance by analyzing the efficiency of the machine on a daily basis.



# Gateways

WatchNET 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 according to input logic to output devices. Basic or complex rules can be set on this gateway that can work online or offline state within the network.

- Edge-based data processing
- LAN, WAN and connectivity
- Low Bandwidth consumption
- Built-in Wi-Fi Gateway

## Integrated Wireless IoT Controller **WLRI-G11**

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



## Mini Smart Gateway **WLRI-G12**

This small form factor smart gateway provides cloud connection and local control of devices connected to it. Economical and easy to installation and configuration makes it ideal for small projects of environmental monitoring. The built-in powerful antenna is capable of receiving long-range signals.



# WatchNET IoT Cloud Software & Mobile App

- 1) Round the clock monitoring
- 2) Compatible with 100s of sensors & devices
- 3) Real-time status update
- 4) Instant alert & notification
- 5) Manage data in one place
- 6) Intuitive report with accurate historical records
- 7) Powerful eMAP
- 8) Enhanced data logging
- 9) Powerful web-based interface and mobile app





# WatchNET®

SECURITY SINCE 2000



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Watchnet IoT Industry Solution

Products of WatchNET are Certified with:



**CANADA:**

**351 Ferrier Street, Unit 5  
Markham, Ontario L3R 5Z2,  
Canada**

**USA:**

**171 Cooper Avenue, Site 110  
Tonawanda, NY  
14150 USA**

**MIDDLE EAST :**

**PO Box No 126312  
Office Suite 703  
Oxford Towers Business Bay  
Dubai, UAE**

**INDIA :**

**Stattice Tech  
30, Nandi View Layout,  
Dinnur Road, R.T Nagar,  
Bangalore, KA - 560032  
[www.stattice.tech](http://www.stattice.tech)**