OBSERVABILITY HUB

Situational Awareness

Real-time visibility across your physical environments.

WHAT IS SITUATIONAL AWARENESS

From sensor readings to timely action

A managed environmental and operational monitoring solution within WeAre Observability Hub.

It brings sensor data, operational information, alerts and analytics into one view, so problems are recognised earlier.

IoT sensors
Cameras
Building systems
Connected equipment

Connects physical conditions to decisions and action

QUESTIONS IT HELPS ANSWER

- Are refrigeration units within safe temperatures?
- Is equipment behaving differently from normal?
- Has a door opened outside operating hours?
- Has a sensor stopped reporting?
- Is equipment using more energy than expected?
- Which locations need attention right now?

WHY ORGANISATIONS NEED IT

Six problems it helps solve

01

Conditions are not visible

→ One central view across sites and equipment

02

Problems are found too late

→ Continuous monitoring and earlier alerts

03

Manual checks do not scale

→ Multi-location dashboards in one place

04

Alerts do not lead to action

→ Routing to the team responsible

05

Maintenance is too reactive

→ Historical patterns guide inspections

06

Energy use is hard to explain

→ Compare consumption over time

WHAT IT CAN MONITOR

Conditions, equipment and events

Temperature
Fridges, freezers, cold storage

Humidity
Stored goods and buildings

Air quality
Indoor conditions and noise

Refrigeration health
Unusual temperature trends

Door and access events
Checked against schedules

Energy consumption
Unusual usage patterns

Sensor health
Missing data, silent devices

Historical patterns
Recurring issues and drift

Occupancy and activity
Selected movement events

Exact capabilities depend on the available sensors, integrations and agreed scope. Detailed visitor counting and heatmaps are covered by VisitorSense.

HOW IT WORKS

From physical reading to action



01
Collect
Sensors and equipment send readings

02
Edge Hub
Filtered and organised on site

03
Analyse
Splunk adds context and history

04
Display
One view across locations

05
Alert
When agreed limits are met

06
Act
The right team investigates

07
Improve
Learn from history and tune

SPLUNK COMPARES EACH READING WITH

- Configured limits
- Historical patterns
- Previous readings
- Environmental conditions
- Operating schedules
- Other equipment data

THE TECHNOLOGY

Proven building blocks, managed for you

Sensors and Cisco Meraki

- Temperature and humidity
- Door and energy sensors
- Cloud-managed cameras
- Existing compatible devices

Edge Hub

- Local collection
- Filtering and processing
- Sends what matters
- Less raw data transfer

Splunk analytics

- Dashboards and history
- Alerting
- Event correlation
- Operational reporting

WeAre managed service

- Integration and setup
- Monitoring health checks
- Service Center workflows
- Ongoing support

Integrations through MQTT and REST. Compatibility is confirmed for each data source, so not every device has to come from the same manufacturer.

RECENT EVENTS IN EUROPE

Why early detection matters now

TRAFICOM · NATIONAL CYBER SECURITY CENTRE

Attackers gained remote access to supermarket refrigeration controls and changed temperature and defrost settings, leading to spoiled food and financial losses.

YLE · 2 NOVEMBER 2026

A small number of K-stores in Finland had refrigeration problems. The causes were still under investigation.

> **Imagine a supermarket freezer starting to warm up in the middle of the night, and nobody notices until the next morning. … The sooner you notice something unusual, the better chance you have to act.**

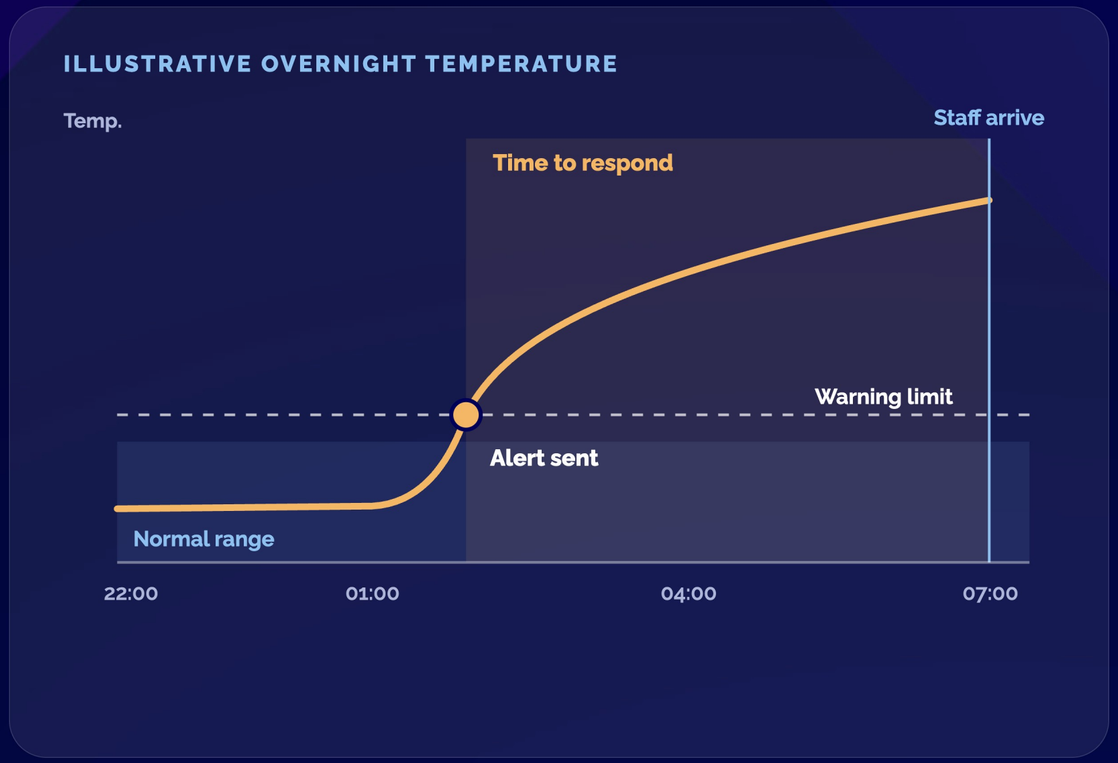
Juho-Matti Nikula
Business Development Manager, WeAre Solutions

✦ **Can abnormal refrigeration conditions be spotted early enough to stop a small disruption becoming a costly one?**

Sources: Traficom National Cyber Security Centre Finland; Yle, 2 November 2026.

USE CASE: SUPERMARKET REFRIGERATION

A freezer warms up overnight

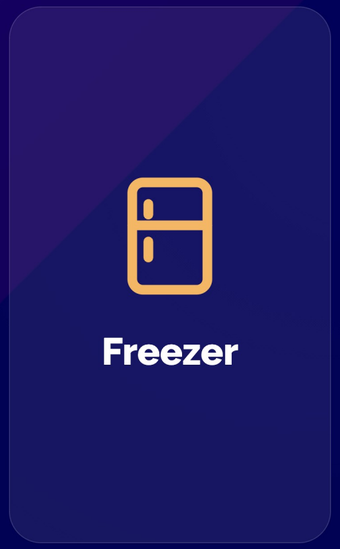


1. **Detect**
   Sensors spot an unusual temperature change
2. **Assess**
   Compared with limits, history and conditions
3. **Alert**
   Store staff or maintenance partner notified
4. **Respond**
   Check equipment, protect products
5. **Follow up**
   See when it started and if it has happened before

Illustrative example. Critical temperature limits always apply. In Finland, the solution can support own-check (omavalvonta) monitoring and reporting, but the food business remains responsible for its regulatory obligations.

INDEPENDENT MONITORING

A second view of real conditions



PRIMARY CONTROL

Refrigeration controller → **Built-in readings**

If the controller malfunctions or is compromised, its own readings may not show the problem

INDEPENDENT MONITORING

Independent sensor, e.g. Cisco Meraki → **Separate data path** → **Splunk dashboards and alerts** → **Your team**

- **An extra view of actual conditions**
- **Can keep warning if the primary system fails**
- **Works alongside your cybersecurity controls**

Independence depends on the full architecture, including power, network and alert delivery. Independent monitoring does not prevent cyberattacks or identify their cause.

MORE USE CASES

Beyond refrigeration

Warehouse

- Door opens after hours
- Checked against schedule
- Alert to the right person
- Recorded for review

Supplements, not replaces, access-control and security systems

Earlier awareness of unusual events

Equipment energy

- Usage rises above normal
- Unusual pattern flagged
- Team investigates
- Maintenance considered

Savings depend on the cause and the action taken

Find avoidable energy costs

Buildings and facilities

- Temperature and humidity
- Trends across areas
- Out-of-range alerts
- Facility reporting

Control changes need separately approved integrations

Clearer view of building conditions

Industrial equipment

- Readings off normal
- Gradual changes spotted
- Maintenance prioritised
- Recurring issues tracked

Not a replacement for safety or process-control systems

Fewer surprises, better planning

BUSINESS BENEFITS

Detect earlier. Act faster. Lose less.

Fewer disruptions
Time to act before problems grow

Less avoidable waste
Protect inventory earlier

Smarter maintenance
Prioritise with real history

Food safety support
Temperature records and follow-up

Energy efficiency
Spot unusual consumption

Operational visibility
One view, fewer separate tools

Stronger resilience
Recognise and respond to disturbances

Better decisions
Evidence for maintenance and investment

Potential benefits, not guaranteed results. Actual impact depends on your environment and how alerts are acted on.

SITUATIONAL AWARENESS AND SERVICE CENTER

Alerts that lead to action

Temperature alert

A freezer crosses its warning limit

→

Routed to the right people

Store employee or maintenance partner

→

Followed up

Reminders and escalation as agreed

SUPPORT CAN INCLUDE

- Alert routing
- Notifications to teams
- Scheduled reporting
- Incident monitoring
- Maintenance ticket integration
- Reminders for open events
- Escalation

The Service Center level is confirmed in the commercial proposal. Physical intervention and corrective action stay with you or your designated service provider unless otherwise agreed.

PART OF OBSERVABILITY HUB

One hub, complementary solutions

OneView Center

IT infrastructure health and availability

VisitorSense

Visitor activity and space use

Situational Awareness

Environment, equipment and operational events

Log Management and Archive

Log collection, retention and archiving

Service Center

Alert handling, reporting and follow-up

VISITORSENSE

How people use spaces

SITUATIONAL AWARENESS

What is happening, and whether it needs attention

✦ **They share some technology and can be combined when both views matter**

MEASURING THE VALUE

Track what matters to your operations

Speed

- Time to detect
- Time to acknowledge
- Time to resolve

Refrigeration

- Number of deviations
- Duration of critical deviations

Equipment

- Recurring equipment alerts
- Emergency maintenance visits
- Energy consumption trends

Operations

- Product losses or waste
- Sensor availability
- Monitoring coverage

Use before-and-after comparisons. Claims about savings, downtime or waste should be based on your own measured results.

GETTING STARTED

Start with one site, then expand

01
Discovery and requirements

02
Identify critical areas and equipment

03
Review sensors and integrations

04
Define monitoring conditions

05
Configure the solution

06
Validate the setup

07
Begin operational use

08
Review and expand

✦ Can we start with a pilot? Yes.

Begin with one location or one use case, such as refrigeration monitoring, then scale.

Pricing depends on use cases, connected equipment, hardware, locations, analytics and service level.

See Situational Awareness on weare.fi

Learn more →

WeAre

WEARE SITUATIONAL AWARENESS

Understand conditions in real time.
Detect issues earlier.
Act with greater confidence.

Talk to WeAre →

weare.fi