



## PRODUCT OVERVIEW

# Vantage

## SaaS-Powered Security and Visibility of OT and IoT Networks

Nozomi Networks **Vantage**™ leverages the power and simplicity of SaaS to deliver unmatched security and visibility across your OT, IoT, and IT networks.

Vantage accelerates digital transformation for the largest and most complex distributed networks.

You can centrally manage all of your Guardian deployments, monitor any number of devices, and protect any number of locations, from anywhere in the world.

The flexibility of its SaaS architecture enables you to consolidate all of your OT and IoT security management into a single application, even as your networks quickly evolve.

Vantage delivers the immediate awareness of cyber threats, risks, and anomalies you need to respond faster and ensure cyber resilience.

### See

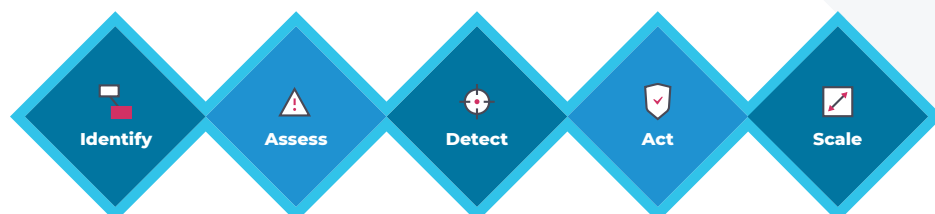
All OT and IoT devices and behavior on your networks for unmatched awareness

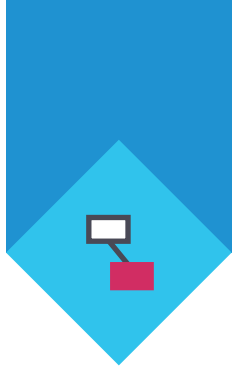
### Detect

Cyber threats, vulnerabilities, risks and anomalies for faster response

### Unify

Security, visibility and monitoring across all your assets for improved resiliency





# Identify

## Asset Discovery and Network Visualization

### Automatically Track Your OT and IoT Assets

### Up-to-Date Asset Inventory

Enhances cyber resiliency and saves time with automated asset inventory

### Intuitive Dashboards

Generates macro views as well as detailed information on endpoints and connections

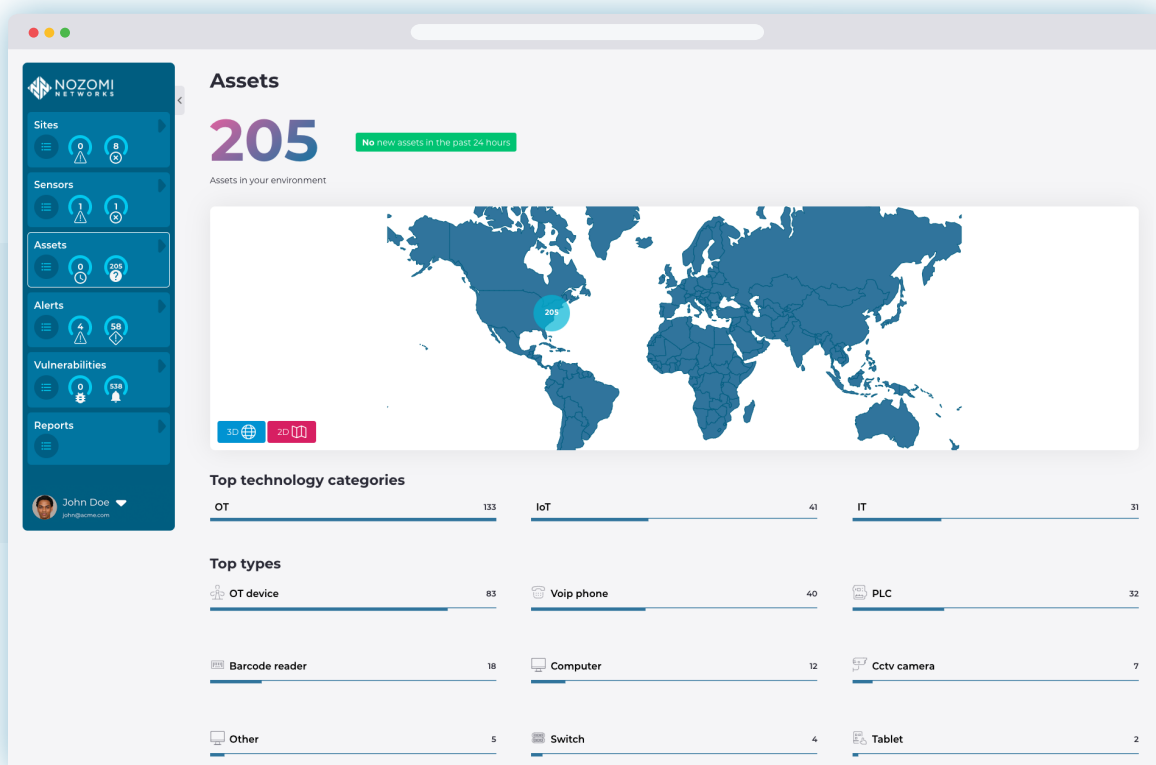
### Immediately Understand Your Networks

### Identifies All Communicating Devices

Provides extensive node information including name, type, and firmware version

### Reduced Risk Through Network Visualization

Delivers detailed insight into your OT/IoT networks and their activity patterns



**Vantage Assets View** summarizes all asset activity on your network for rapid assessment.



# Assess

## Vulnerability Assessment and Risk Monitoring

### Rapidly Identify Your Vulnerability Risks

#### Automated Vulnerability Assessment

Presents risk information including security alerts, missing patches and vulnerabilities

#### Efficient Prioritization and Remediation

Speeds response with vulnerability dashboards and drilldown capability

### Continuously Monitor Your Networks and Automation Systems

#### Comprehensive Cybersecurity and Reliability Monitoring

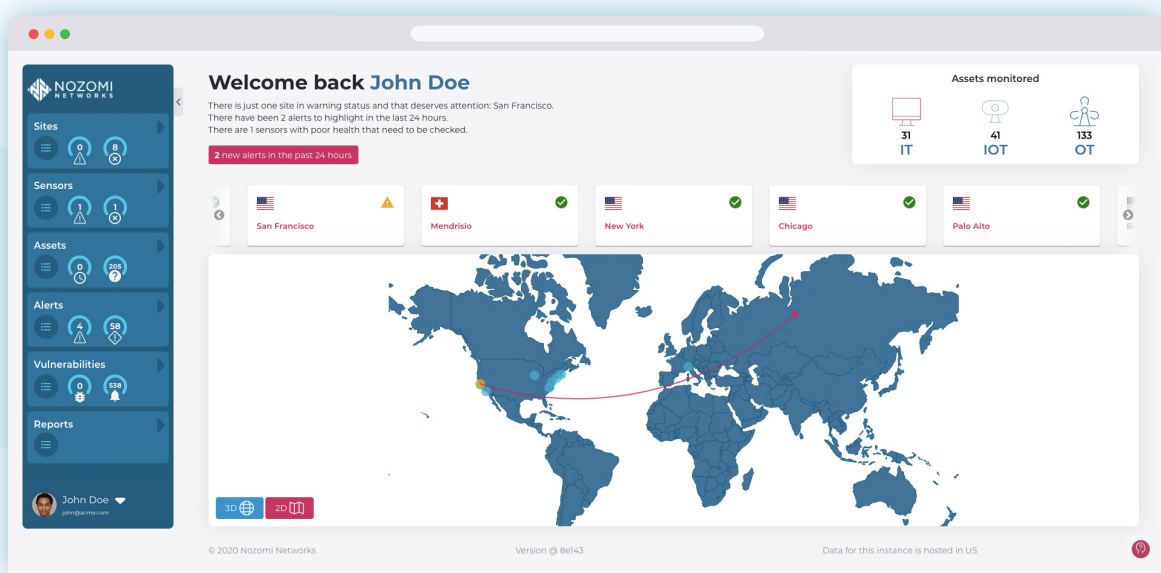
Monitors assets from all vendors and all network communications

Highlights indicators of reliability issues, such as unusual process values

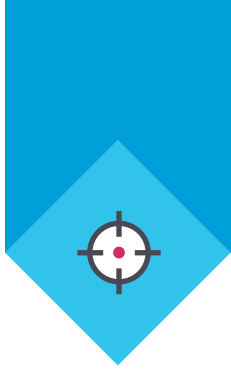
#### Easy Access to OT/IoT Risk Data

Summarizes OT and IoT risk information by customizable geographic, date and time ranges

Supports drilldown on visual indicators for more detailed information



**Vantage Dashboard** delivers customizable network and security status view.



# Detect

## Advanced Anomaly and Threat Detection

### Quickly Detect and Disrupt Threats and Anomalous Behavior

#### Constantly Updated Threat Detection

Identifies cybersecurity and process reliability threats

Detects early stage and late stage advanced threats and cyber risks

#### Superior OT and IoT Threat Detection

Combines behavior-based anomaly detection with signature-based threat detection for comprehensive risk monitoring

### Effectively Monitor Mixed Environments

#### SUBSCRIPTION Threat Intelligence

Ensures up-to-date threat detection and vulnerability identification using indicators created and curated by Nozomi Networks Labs

#### SUBSCRIPTION Asset Intelligence

Powers breakthrough anomaly detection accuracy for OT and IoT devices, accelerating incident response

## Breakthrough Anomaly Detection for OT and IoT



#### Rapid Identification of Assets

Ensures Precise Asset Inventory



#### Accurate Anomaly Alerts

Accelerates Incident Response



#### Asset Intelligence for Dynamic Networks

Sustains Accurate Inventory & Detection



# Act

## Accelerated Global Incident Response

### Significantly Improve OT and IoT Risk Management

### Dashboards Highlight Risks

Focuses attention on critical concerns by summarizing risks and threats

Improves response time and productivity with precise alerts that are easy to prioritize

### Detailed Alerts Provide Worldwide Perspective

Consolidates all data to create accurate alerts that identify security and reliability risks anywhere in your networks

### Greatly Reduce Time-Consuming Research

### Clear Explanation of Incidents

Describes what happened, possible causes and suggested solutions for every alert, reducing the need for additional investigation

### Automatic Consolidation of Alerts

Groups alerts into incidents, providing security and operations staff with a simple, clear, consolidated view of what's happening on your networks

The screenshot displays the NOZOMI Networks Vantage Alerts View interface. On the left is a sidebar with navigation links: Sites, Sensors, Assets, Alerts, Vulnerabilities, and Reports. The main content area shows a 'Malware detection' alert from 2020-10-06 05:59:11. The alert details include:

- What Happened?** A suspicious packet was sent [sid:900001] -- Havex APT HTTP POST request to CAC Activity was detected related to Havex. Havex is a RAT that includes a CnC Server. Havex has been mainly used to support espionage campaigns targeting energy, aviation, pharmaceutical, defense, and petrochemical sectors.
- Possible Cause** An user has clicked on untrusted link and a malware is being transferred, or an already existing malware is downloading additional pieces from the network.
- Suggested Solution** Perform an investigation and cleanup the victim, and block or cleanup also the attacker.

**Involved Actors**

Source	Communication	Destination
Site: San Francisco Zone: Production-42 Label: n.a. IP: 192.168.1.1 MAC: 00:68:eb:85:23:bb TCP/IP port: 14389 Roles: terminal	Protocol: http Transport protocol: tcp	External IP: RU Zone: External Label: n.a. IP: 195.208.218.98 MAC: 00:08:e3:ff:fd:a0 TCP/IP port: 80 Roles: webserver

**Additional details**

Created time	Closed time	Acknowledged	Threat name	Trigger type
2020-10-06 05:59:11	never	no	n.a.	packet.rules
Trigger id: n.a.	Is incident: no	Is security: yes	Capture device: port2	Session id: n.a.

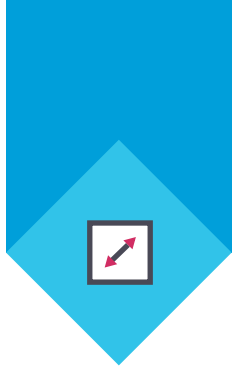
**Bpf filter**  
ip host 192.168.1.1 and ip host 195.208.218.98 and tcp port 14389 and tcp port 80

**MITRE ATT&CK information**

Mitre attack techniques	Mitre attack tactics
T869	Command and Control

**Comments**  
No comments yet

Vantage Alerts View accelerates response with clear explanations and actionable information.



# Scale

## Unified Security for All of Your Sites with the Power of SaaS

### Readily Scale with Optimal Performance

#### Exceptional Global Visibility

Aggregates data from Nozomi Networks Guardians deployed on-premises or in the cloud

Delivers customizable summaries of essential information with drill-down to individual sites or devices

#### Consolidated Monitoring of All Facilities

Enables centralized security risk management for all sites

Provides visibility into all OT/IoT environments

### Easily Integrate with SOC/IT Environments

#### Integrated Security Infrastructure

Streamlines security processes across IT/OT for cohesive response

Includes built-in integrations for asset, ticket and identity management systems, as well as SIEMs

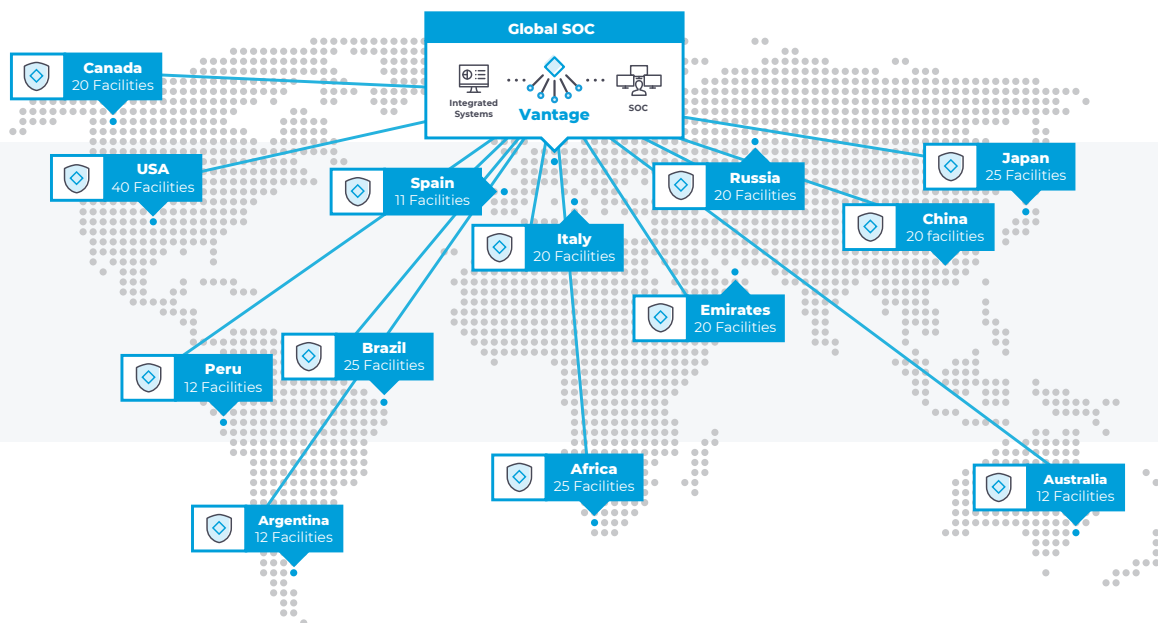
#### Broad Protocol Support

Supports hundreds of OT, IoT and IT protocols

Includes Protocol SDK and on-demand engineering services for new protocol support

[nozominetworks.com/integrations](https://nozominetworks.com/integrations)

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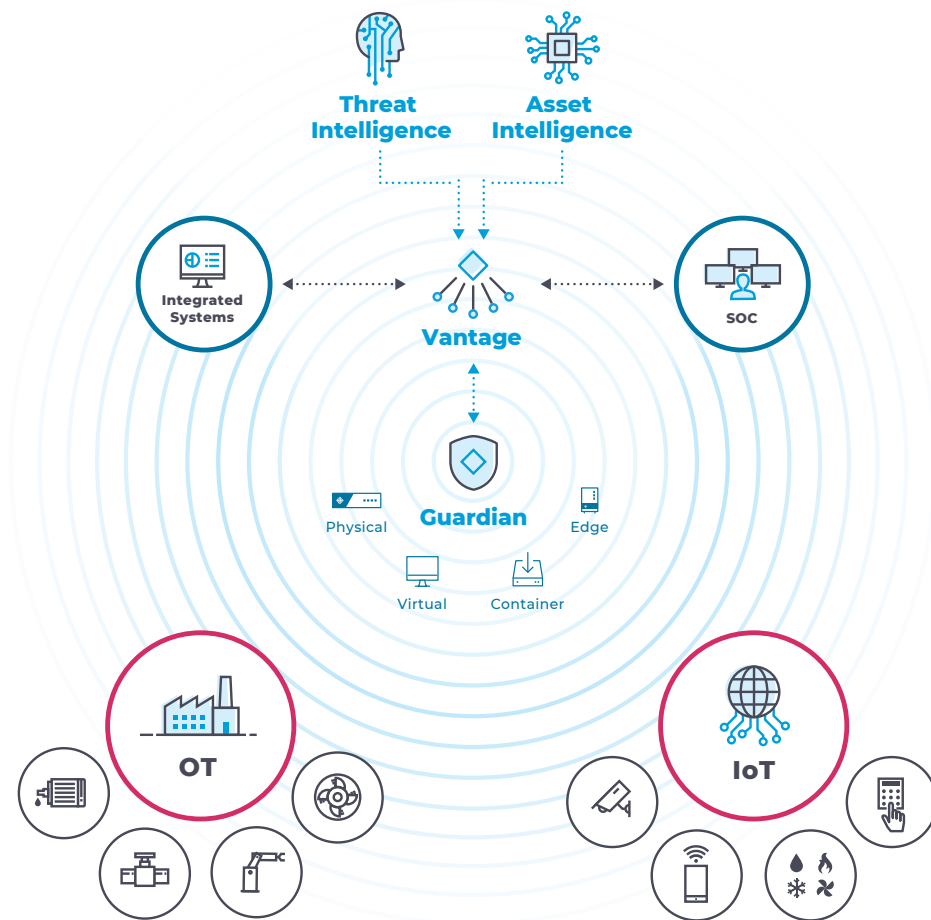


Vantage protects any size network.

# OT and IoT Security and Visibility

## Industrial Strength **Cyber** and **Operational** Resiliency

Manage all of your Guardian deployments and protect any number of locations from anywhere in the world.



## World Class Partners

Nozomi Networks partners deeply with the IT/OT services and technology companies you trust. These include:

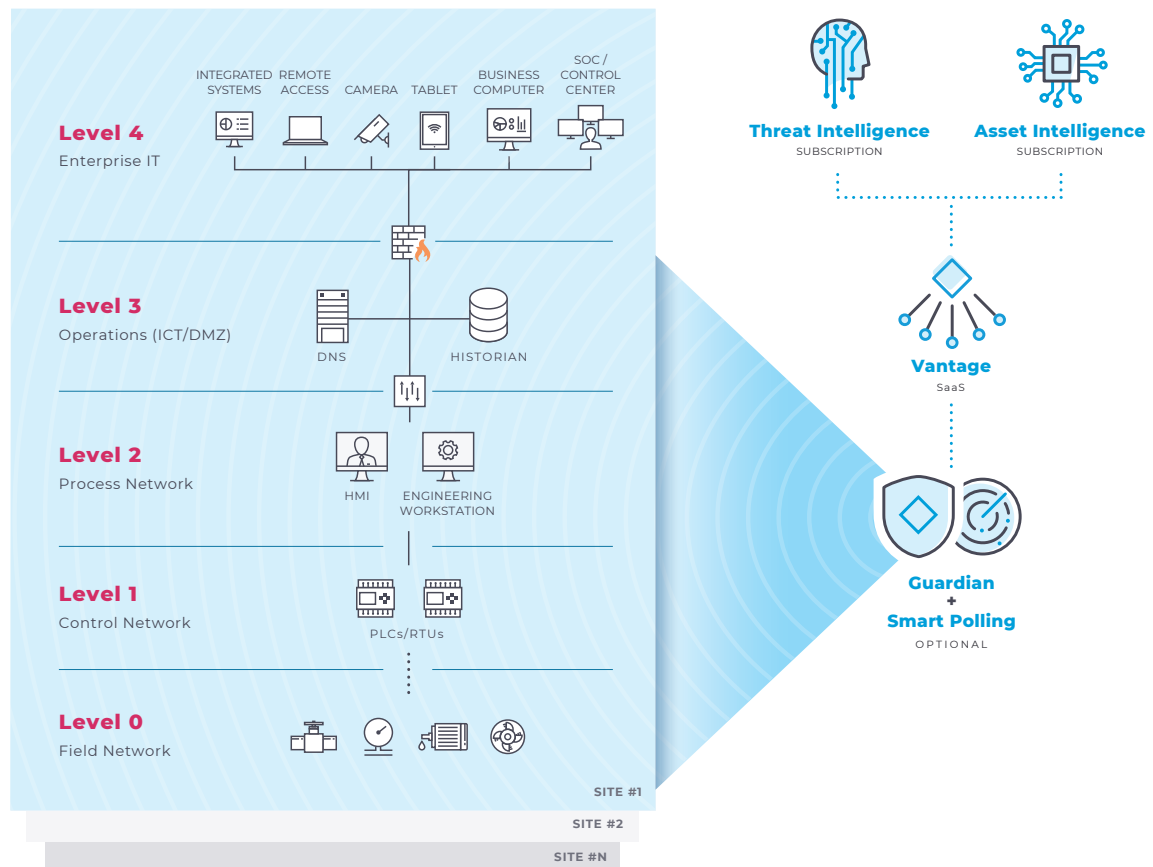
- **Strategic alliances** with enterprise IT and managed security providers
- **Technology integrations** with leading IT/OT solutions
- **SI/VAR relationships** with 250+ prominent organizations around the world

Visit [nozominetworks.com/partners](https://nozominetworks.com/partners) for more information.

# Sample Deployment Architecture

## Purdue Model Example

You can tailor the Nozomi Networks solution to meet your needs by utilizing its flexible architecture, extensive range of appliances, and integrations with other systems.



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- **Technology integrations** with leading IT/OT solutions
- **Global Network** of SI, VAR and Distribution Partners

Visit [nozominetworks.com/partners](https://nozominetworks.com/partners) for more information.



# Products and Services



SAAS

## Vantage

Vantage leverages the power and simplicity of SaaS to deliver unmatched security and visibility to your OT, IoT and IT networks. Its scalability enables you to manage all of your Guardian deployments and protect any number of locations from anywhere in the world.

Currently in Limited Availability.  
For more information, visit [nozominetworks.com/vantage](https://nozominetworks.com/vantage)



PRODUCT

## Guardian

Guardian provides industrial strength OT and IoT security and visibility. It combines asset discovery, network visualization, vulnerability assessment, risk monitoring and threat detection in a single solution. Guardian accelerates your security and simplifies your IT and OT convergence.



SUBSCRIPTION

## Threat Intelligence

The Threat Intelligence service delivers ongoing OT and IoT threat and vulnerability intelligence. It helps you stay on top of the dynamic threat landscape and reduce your mean-time-to-detection (MTTD).



GUARDIAN ADD-ON

## Smart Polling

Smart Polling adds low-volume active polling to Guardian's passive asset discovery, enhancing your asset tracking, vulnerability assessment and security monitoring.



PRODUCT

## Central Management Console

The Central Management Console (CMC) consolidates OT and IoT risk monitoring and visibility across your distributed sites, at the edge or in the cloud. It integrates with your IT security infrastructure for streamlined workflows and faster response to threats and anomalies.



SUBSCRIPTION

## Asset Intelligence

The Asset Intelligence service delivers ongoing OT and IoT asset intelligence for faster and more accurate anomaly detection. It helps you focus efforts and reduce your mean-time-to-response (MTTR).



GUARDIAN ADD-ON

## Remote Collectors

Remote Collectors are low-resource appliances that capture data from your distributed locations and send it to Guardian for analysis. They improve visibility while reducing deployment costs.



# Nozomi Networks

## **The Leading Solution for OT and IoT Security and Visibility**

Nozomi Networks is the leader in OT and IoT security and visibility. We accelerate digital transformation by unifying cybersecurity visibility for the largest critical infrastructure, energy, manufacturing, mining, transportation, building automation and other OT sites around the world. Our innovation and research make it possible to tackle escalating cyber risks through exceptional network visibility, threat detection and operational insight.

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