NOZOMI NETWORKS

The Leading Solution for OT & IoT Security and Visibility

The Leader in OT & IoT Security and Visibility

Nozomi Networks accelerates digital transformation by providing exceptional network visibility, threat detection and operational insight for OT and IoT environments.

We make it possible to tackle escalating cyber risks to operational networks while modernizing your business to succeed in the future.

Let us put our passion for innovation and customer success to work for you, helping you ensure high cyber resiliency and reliability.

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

Securing the World's Largest Organizations

9 of Top 20 **Oil & Gas**

7 of Top 10 **Pharma**

5 of Top 10 **Mining**

5 of Top 10 **Utilities**

Chemicals

Manufacturing

Automotive

Airports

Water

Building Automation

Food & Retail

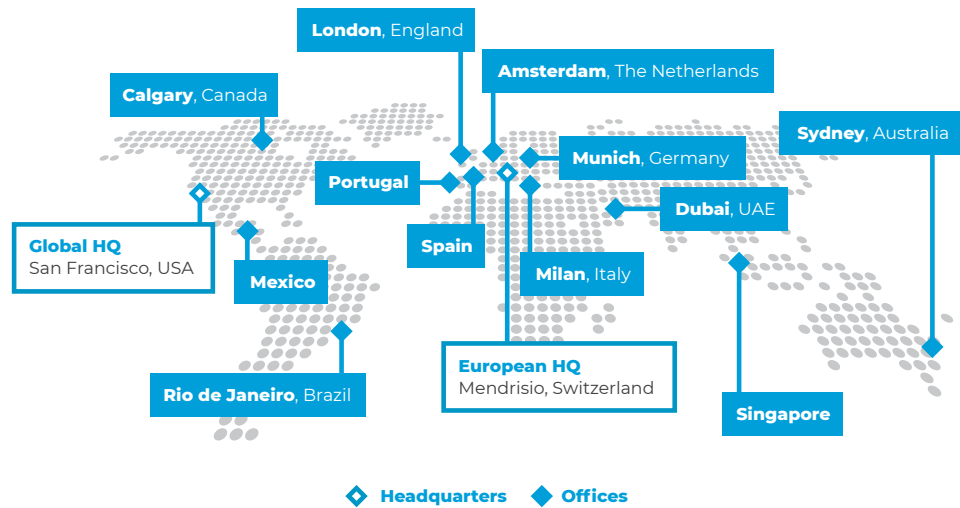Logistics

Smart Cities

Transportation

Global Footprint

17,000,000+
OT, IoT and IT Devices Monitored

2,500+
Installations Worldwide

Worldwide Offices

London, England

Amsterdam, The Netherlands

Calgary, Canada

Sydney, Australia

Munich, Germany

Portugal

Dubai, UAE

Global HQ
San Francisco, USA

Spain

Mexico

Milan, Italy

European HQ
Mendrisio, Switzerland

Rio de Janeiro, Brazil

Singapore

◆ **Headquarters**   ◆ **Offices**

Partnering to Optimize OT and IoT Security

accenture

Atos

Capgemini

Deloitte.

FIREEYE

GE Power

Honeywell

IBM Security

Microsoft Azure

NTT

Orange Cyberdefense

Schneider Electric

SIEMENS
Ingenuity for life

T··Systems·

Eleven Paths
Telefónica CYBER SECURITY COMPANY

YOKOGAWA

Global Network
**of SI, VAR and Distribution Partners**

1,000+
Trained and Certified Professionals

Guardian

Industrial Strength OT and IoT Security and Visibility

Nozomi Networks **Guardian**™ unlocks visibility across OT, IoT, and IT for accelerated security and digital transformation.

It reduces OT risks for the largest critical infrastructure, energy, manufacturing, mining, transportation, building automation and other OT sites around the world.

IDENTIFY

ACT   SCALE   ASSESS
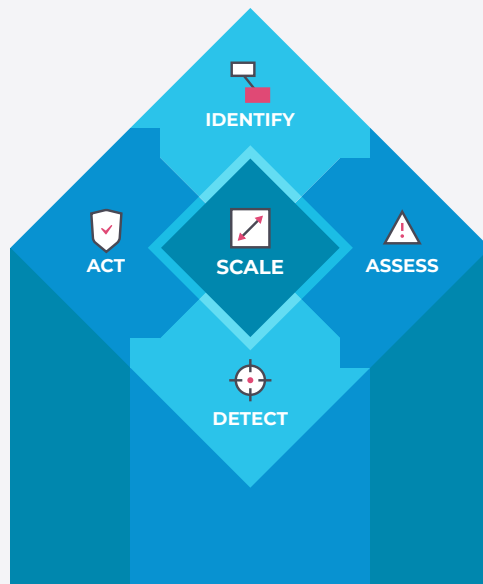
DETECT

Identify
Asset Discovery and Network Visualization

Assess
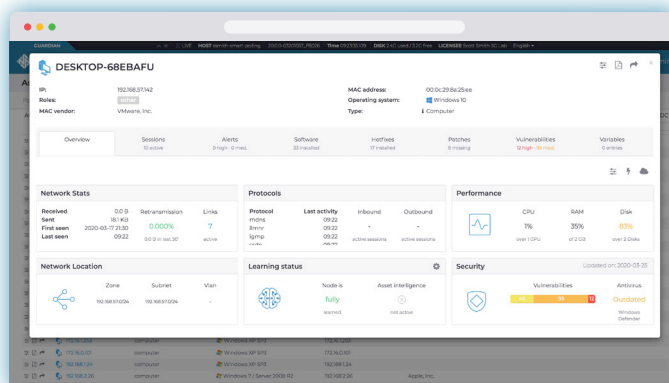Vulnerability Assessment and Risk Monitoring
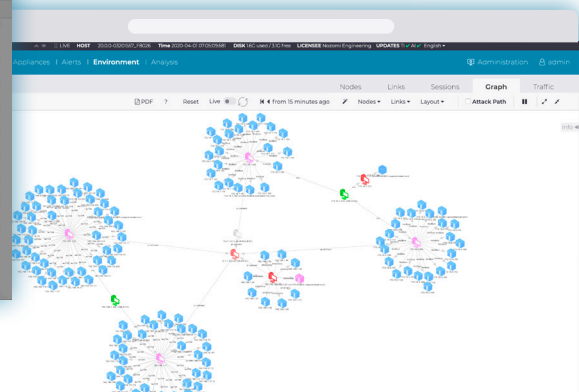
Detect
Advanced Anomaly and Threat Detection

Act
Time-Saving Dashboards and Forensic Tools

Scale
Unified Security for Hundreds of Thousands of Devices

Single **Asset View** with extensive information.

Portion of interactive **Network** Visualization **Graph**.

SOLUTION BRIEF
OT and IoT Security and Visibility

Automatically Track and Visualize Your Assets

Up-to-Date Asset Inventory

Enhances cyber resiliency and saves time with automated asset inventory

Provides extensive node information and identifies risks such as alerts and vulnerabilities

Reduced Risk Through Network Visualization

Provides instant awareness of your OT/IoT networks and their activity patterns

Presents key data such as traffic throughput, TCP connections and protocols used between nodes and zones

Quickly Detect Threats and Anomalous Behavior

Up-to-the-Minute 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

Uses behavior-based anomaly detection plus signature-based threat detection for comprehensive risk monitoring

Consolidates and correlates alerts

Guardian Appliances
for any Environment

Large Enterprises

- Up to 500,000 Nodes
- 3-6 Gbps Max. Throughput

Mid-enterprises

- Up to 40,000 Nodes
- 250 Mbps-1 Gbps Max. Throughput

Ruggedized Environments

- 500-1,000 Nodes
- 100-250 Mbps Max Throughput

Portable Scenarios

- 2,500 Nodes
- 200 Mbps Max. Throughput

Remote Site Data Collectors

- Up to 15 Mbps Throughput
- Sends data to Guardian for analysis
- A Virtual Appliance is also available

Virtual Environments and Containers

VIRTUAL APPLIANCE

- 1,000-40,000 Nodes
- 1 Gbps Max. Throughput

CONTAINER EDITION

- Siemens RUGGEDCOM

For more details, visit: **nozominetworks.com/techspecs**.

Central Management Console

Centralized OT and IoT Security and Visibility for Distributed Sites

Nozomi Networks **Central Management Console**™ (CMC) delivers centralized OT and IoT security and visibility – no matter how large or globally distributed your business is.

Whether you're consolidating visibility and risk management at the edge or in the cloud, the CMC is fast and simple to deploy.

CONSOLIDATE

RESPOND

VISUALIZE

SCALE

Consolidate
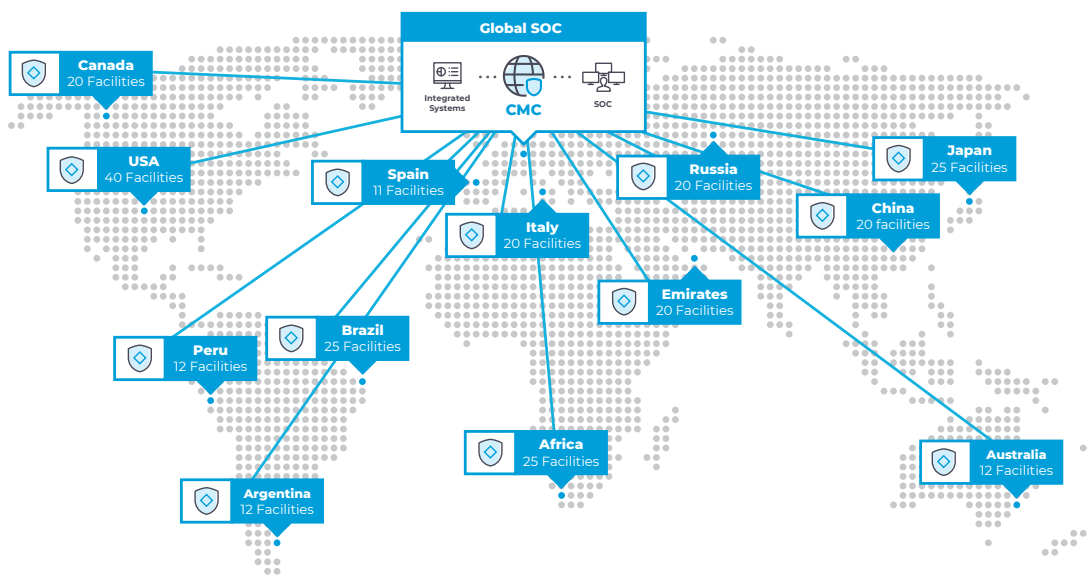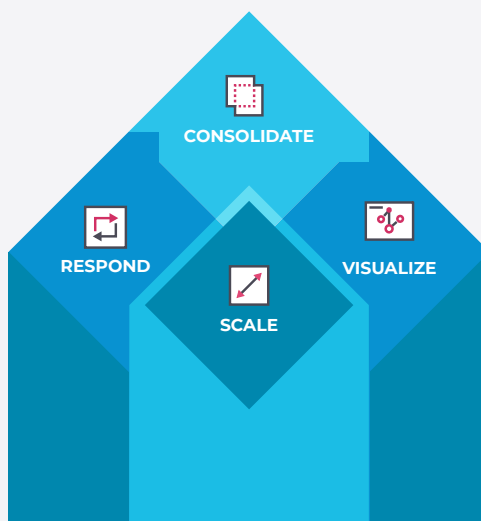Asset Discovery and Network Visualization

Visualize
Vulnerability Assessment and Risk Monitoring

Respond
Advanced Anomaly and Threat Detection

Scale
Unified Security for Thousands of Distributed Sites

Global SOC

Integrated Systems · · · **CMC** · · · SOC

Canada
20 Facilities

USA
40 Facilities

Spain
11 Facilities

Russia
20 Facilities

Japan
25 Facilities

China
20 facilities

Italy
20 Facilities

Emirates
20 Facilities

Peru
12 Facilities

Brazil
25 Facilities

Africa
25 Facilities

Australia
12 Facilities

Argentina
12 Facilities

Sample deployment map for centrally monitoring and securing many facilities.

Centrally Monitor Your Distributed Sites

Single Console Access

Maps your Guardian appliances and shows risk level by site

Delivers aggregated summaries with drilldown to detailed information by site

Deploys in the cloud (AWS or Azure), or at the edge, for anytime, anywhere access

Unified Security Monitoring

Integrates quickly with security infrastructure including with asset, ticketing and identity management systems, and SIEMs

Streamlines security processes across IT/OT

Makes it easy to harmonize data for cohesive response, see:

nozominetworks.com/integrations

Optimize Troubleshooting and Forensic Effort

Smart Incidents Speed Up Forensics

Reduces response time with Smart Incidents™ that:
- Correlate and consolidate alerts
- Provide operational and security context
- Supply automatic packet captures

Fast Forensic Analysis

Decodes incidents with Time Machine™ before and after system snapshots

Provides fast answers with a powerful ad hoc query tool

High Performance for Multinational Deployments

Fast, Flexible Deployment

Quickly scales for enterprise-wide deployment with optimum performance

Adapts to all sites, with multiple appliance models and flexible deployment options

High Availability, High Security

Ensures continuous OT and IoT monitoring with high availability configuration

Connects with field appliances using encrypted, bandwidth optimized data transfers

CMC Appliances
In the Cloud or at the Edge

Mid-enterprises

PHYSICAL APPLIANCE

- 50 Max. Managed Guardian Appliances
- 250 Mbps–1 Gbps Max. Throughput

Cloud or Virtual Environments

CLOUD

- Amazon AWS
- Microsoft Azure

VIRTUAL

- Hyper-V 2012+, KVM 1.2+, VMware ESX 5.x+, XEN 4.4+
- Unlimited* Max. Managed Appliances
- 100+ GB Storage

*Based on the infrastructure. For complete and current tech specs, visit **nozominetworks.com/techspecs**.

OT and IoT Security and Visibility

Industrial Strength Cyber and Operational Resiliency

You can deploy the Nozomi Networks solution in a wide variety of mixed environments for rapid asset discovery, network visualization and accelerated security.
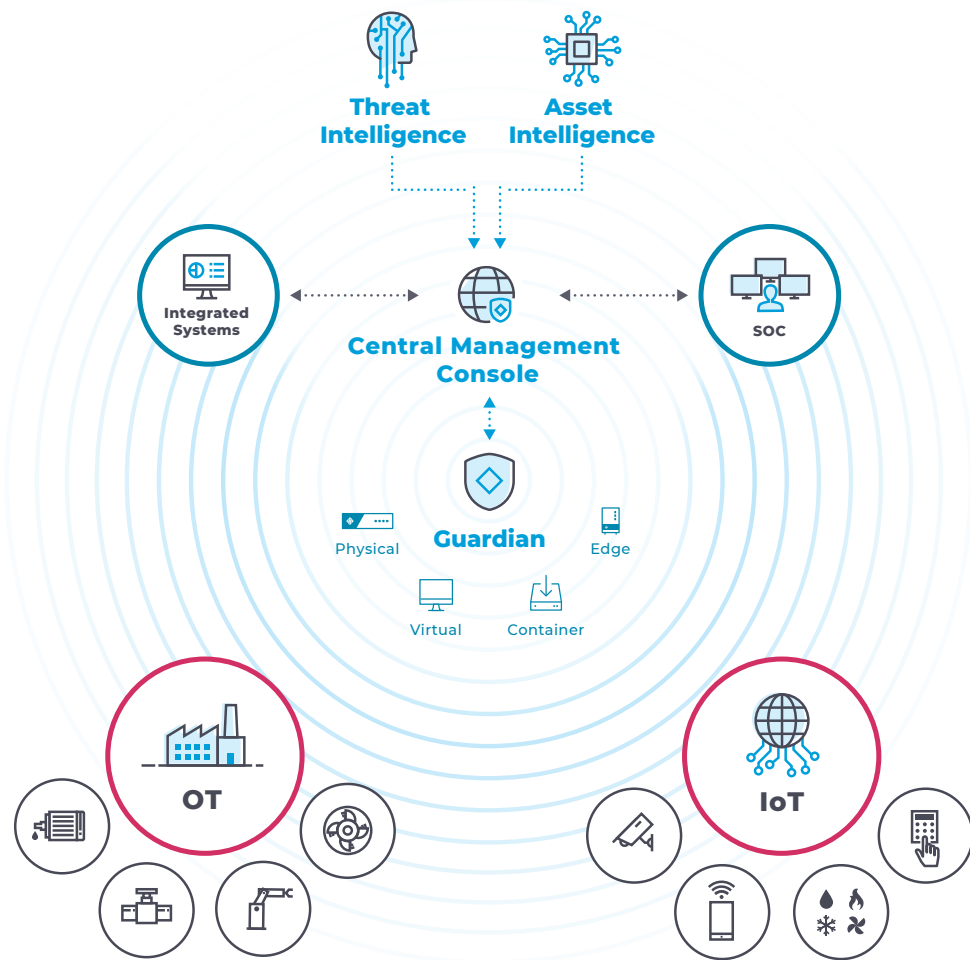
Multiple Licensing Options

Nozomi Networks offers a range of licensing options to fit your organization's preferences, including:

· **Subscription licenses**
· **Enterprise license agreements (ELAs)**
· **Perpetual licenses**

Please contact your Nozomi Networks Sales Director 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.
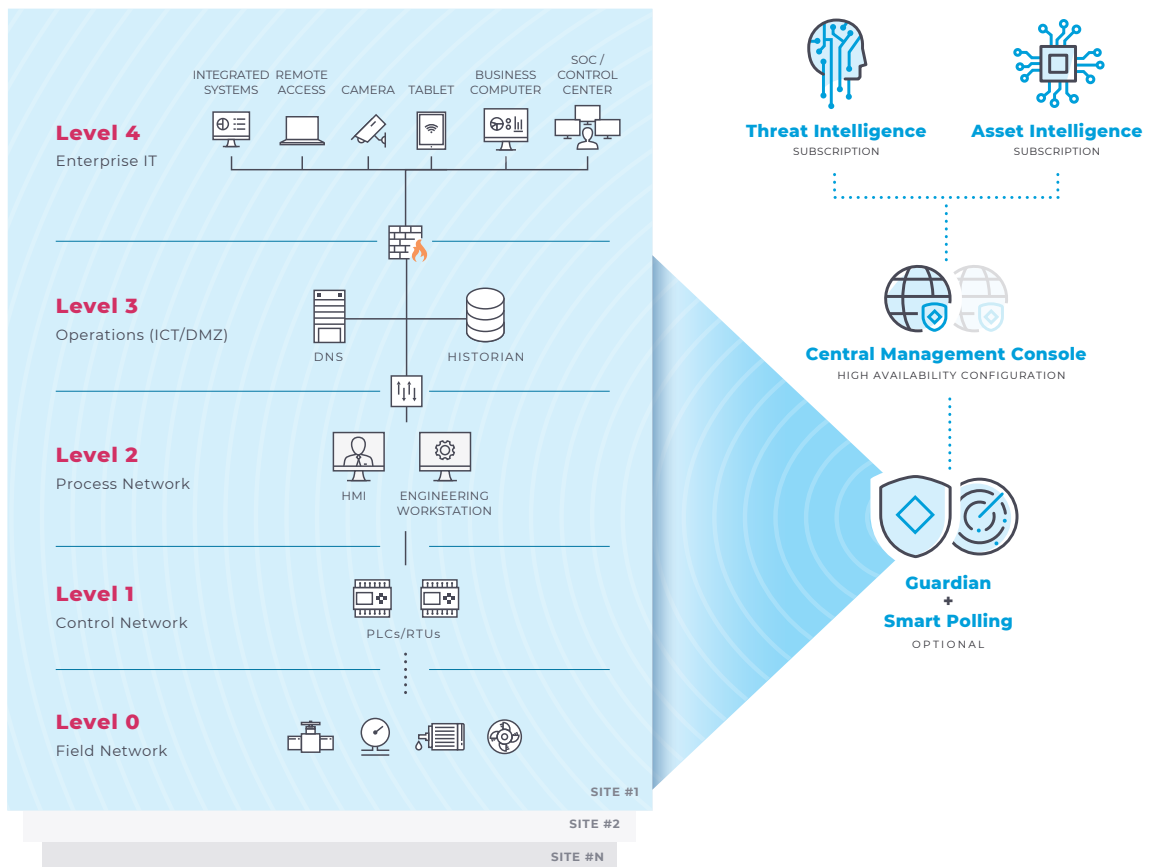
World Class Partners

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
- **Global Network** of SI, VAR and Distribution Partners

Visit **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**

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.

SOLUTION BRIEF
OT and IoT Security and Visibility

What to Look for in an **OT** and **IoT** **Security** and **Visibility** Solution

Technology advancements, such as those found in the Nozomi Networks solution, can dramatically improve security and reliability.

When choosing a solution, look for the following characteristics:

- Comprehensive OT and IoT visibility
- Advanced threat detection
- Accurate anomaly alerts
- Proven scalability across thousands of sites
- Easy IT/OT integration
- Global partner ecosystem
- Exceptional customer engagement and support

See the Nozomi Networks Solution in Action

If you would like to see our solution in action, and experience how easy it is to work with Nozomi Networks, please contact us at **nozominetworks.com/contact**

Contact Us

Want to Know More?

DATA SHEET
Guardian

DOWNLOAD

DATA SHEET
Central Management Console

DOWNLOAD

DATA SHEET
Threat Intelligence

DOWNLOAD

DATA SHEET
Asset Intelligence

DOWNLOAD

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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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