

SOLUTION BRIEF

The Leading Solution for OT and IoT Security and Visibility

The Leading Solution for OT and 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

What's on your network and how it's behaving

Detect

Cyber threats, risks and anomalies for faster response

Unify

Security, visibility and monitoring across all your assets

Securing the World's Largest Organizations

8 of Top 20
Oil & Gas

6 of Top 10
Pharma

4 of Top 10
Mining

4 of Top 10
Utilities



Chemicals



Electric Utilities



Manufacturing



Mining



Oil & Gas



Pharma



Water



Airports



Automotive



Building Automation



Food & Retail



Logistics



Smart Cities



Transportation

Global Footprint

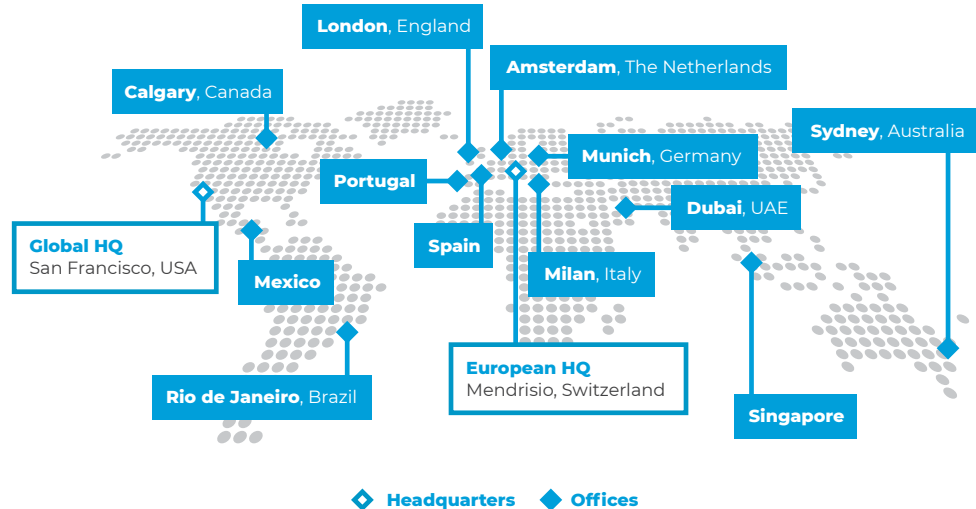
3,600,000+

OT, IoT and IT Devices
Monitored

2,400+

Installations Worldwide

Worldwide Offices



Partnering to Accelerate OT and IoT Security



250+

System Integrators
and VARs

700+

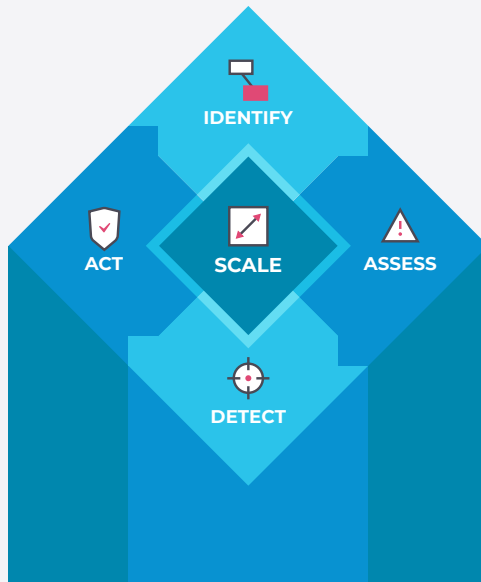
Trained and Certified
Professionals

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

Asset Discovery and Network Visualization

Assess

Vulnerability Assessment and Risk Monitoring

Detect

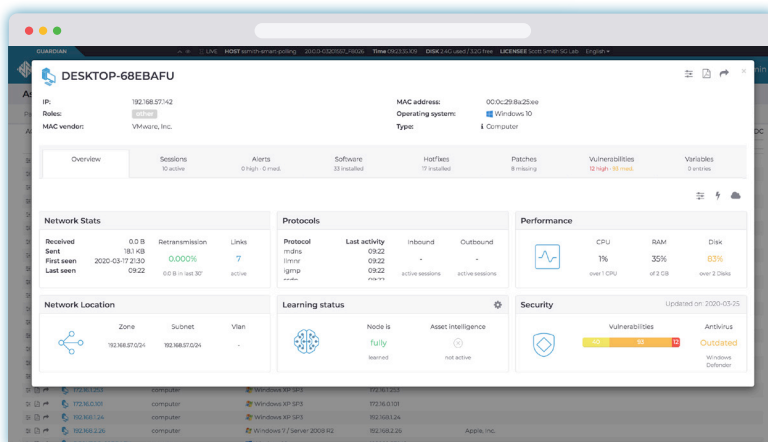
Advanced Anomaly and Threat Detection

Act

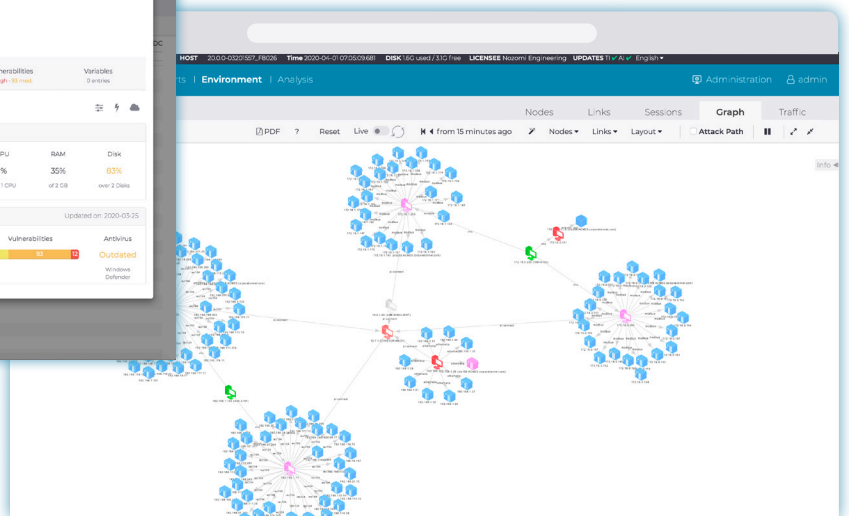
Time-Saving Dashboards and Forensic Tools

Scale

Unified Security for Thousands of Distributed Sites



Single **Asset View** with extensive information.



Portion of interactive **Network Visualization Graph**.

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

- ◆ 300,000 - 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

- ◆ Cisco Catalyst
- ◆ 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

Asset Discovery and
Network Visualization

Visualize

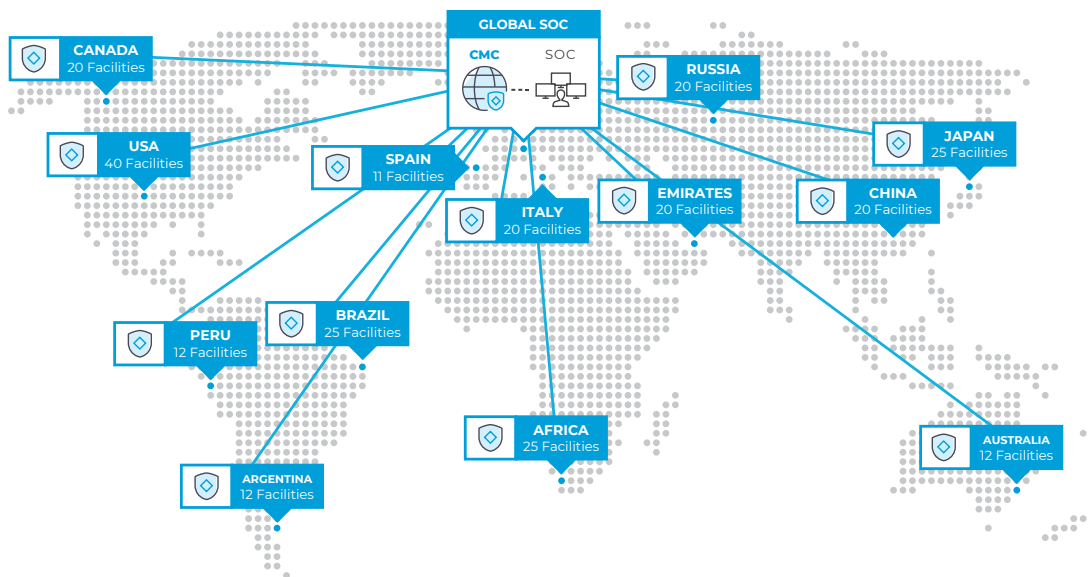
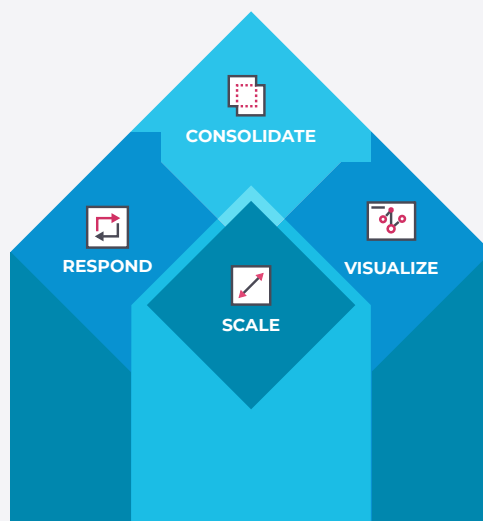
Vulnerability Assessment
and Risk Monitoring

Respond

Advanced Anomaly and
Threat Detection

Scale

Unified Security for
Thousands of
Distributed Sites



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

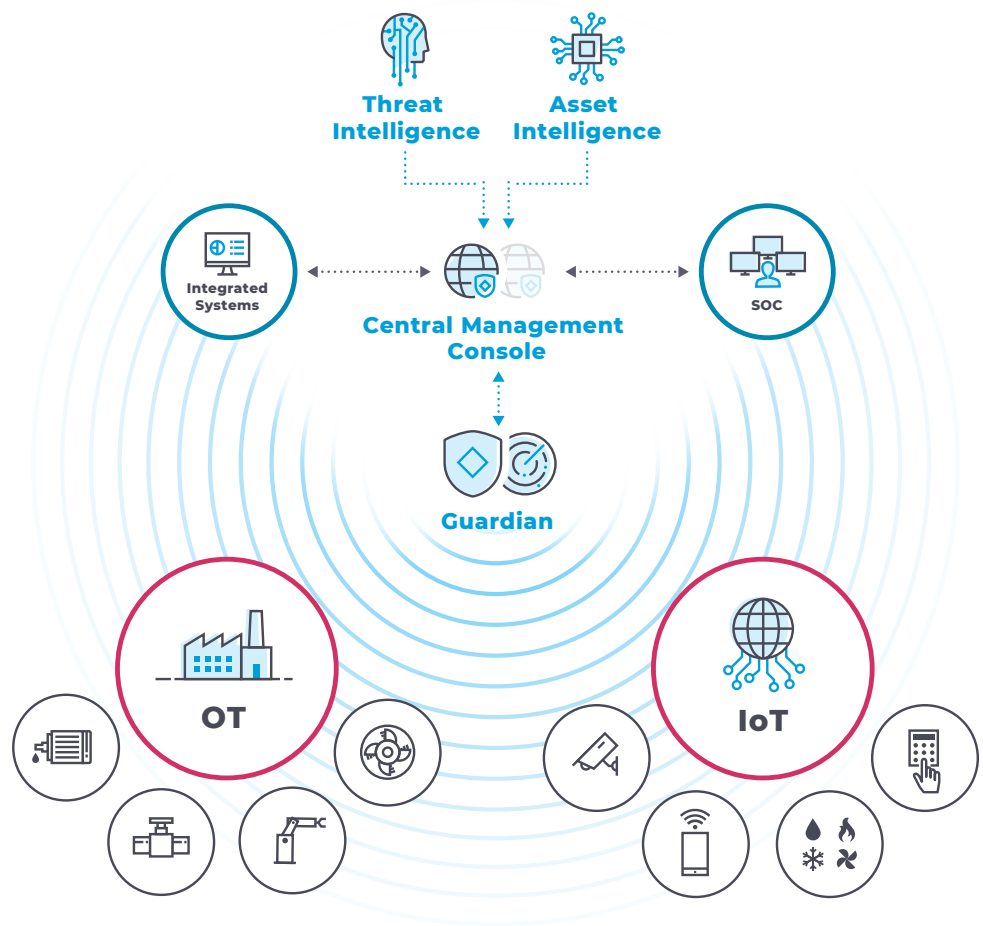
- ◆ Hyper-V 2012+, KVM 1.2+, VMware ESX 5.x+, XEN 4.4+
- ◆ Unlimited* Max. Managed Appliances
- ◆ 100+ GB Storage

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

Flexible Deployment and Licensing

Industrial Strength OT and IoT Security and Visibility

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:

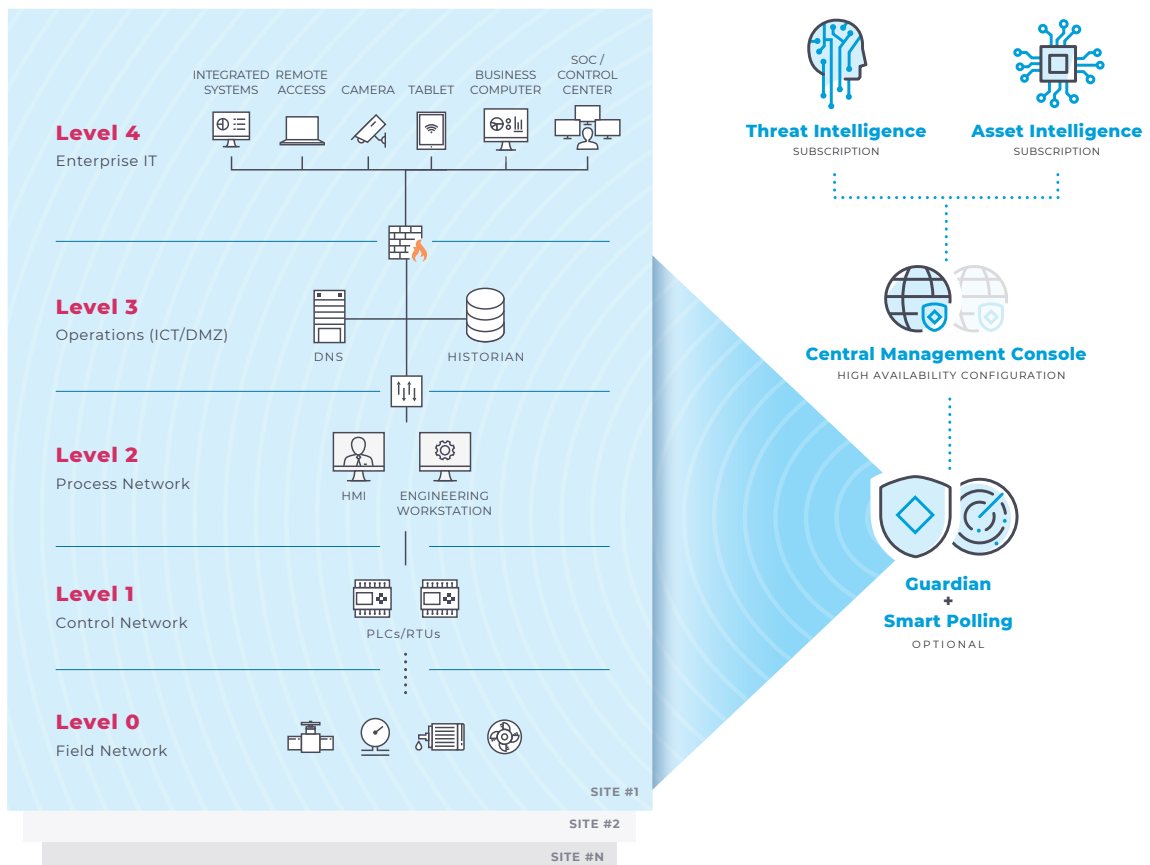
- **Subscription licenses**
- **Enterprise license agreements (ELAs)**
- **Perpetual licenses**

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
- **SI/VAR relationships** with 250+ prominent organizations around the world

Visit nozominetworks.com/partners for more information.

Enhance Guardian for **Expanded Visibility** and **Threat Detection**



SUBSCRIPTION

Threat Intelligence

Reduces risks by shrinking the mean-time-to-detection (MTTD), minimizing impacts

Delivers ongoing OT and IoT threat and vulnerability intelligence for rapid risk detection

Consists of rules, signatures and vulnerability updates created and curated by Nozomi Networks Labs, a team of expert security researchers

Complete details available at:

nozominetworks.com/threat-intelligence



SUBSCRIPTION

Asset Intelligence

Reduces risk by eliminating anomaly alert overload and focusing your attention on critical incidents, decreasing the mean-time-to-respond (MTTR)

Delivers ongoing OT and IoT asset intelligence for rapid asset identification and precise anomaly detection

Updates Guardian's anomaly detection technology with device profiles and behavior data based on analysis of millions of devices in use at sites around the world

Complete details available at:

nozominetworks.com/asset-intelligence



GUARDIAN ADD-ON

Smart Polling

Adds low-volume active polling to Guardian's passive asset discovery

Identifies non-communicating assets and rogue devices

Delivers accurate vulnerability assessment for fast and efficient response

Complete details available at:

nozominetworks.com/smart-polling



GUARDIAN ADD-ON

Remote Collectors

Supplement Guardian data via low-resource appliances for distant and distributed locations

Collect data and send it to Guardian for further analysis

Reduce deployment costs for wilderness, off-shore or desert locations

Complete details available at:

nozominetworks.com/techspecs

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

Want to Know More?



DATA SHEET
Guardian

DOWNLOAD



DATA SHEET
Central Management Console

DOWNLOAD



DATA SHEET
Threat Intelligence

DOWNLOAD



DATA SHEET
Asset Intelligence

DOWNLOAD



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.

© 2020 Nozomi Networks, Inc.

All Rights Reserved.

SB-8.5x11-012

nozominetworks.com