

The Road to Industrial IoT Security

Industrial networks have become a target for hackers. Ensure the continuity, resilience, and safety of your operations by following this road towards an efficient Industrial IoT Security journey.

62%

Don't have a complete inventory of IoT/OT assets¹

\$13M

Average cost of a cyber incident for organizations²

44%

Experienced cyber incidents involving IoT/OT devices¹

681

New OT vulnerabilities discovered in just 6 months³

Identify your industrial assets

- Know what's connected to your industrial network
- Understand what OT devices are communicating with
- Identify asset vulnerabilities and your exposure to cyber risks

Segment your control network

- Group assets into logical ICS zones as per ISA/IEC62443
- Define security policies between zones
- Leverage network switches to enforce zones and conduits

Enforce security policies

- Detect malware and malicious traffic
- Restrict communications within your industrial network
- Control remote access from vendors and contractors

Extend IT security to OT

- Detect abnormal behaviors from industrial assets
- Get a unified view on IT and OT to better detect threats
- Orchestrate response across your security stack

The Cisco Route to Industrial IoT Security

- 1** Build your industrial DMZ with **Cisco Secure Firewalls**
- 2** Block malware and intrusions with **Cisco IDS/IPS** powered by **Cisco Talos**
- 3** Inventory assets and assess your security posture with **Cisco Cyber Vision**
- 4** Protect operations by segmenting the industrial network with **Cisco ISE** or **Cisco Secure Firewalls**
- 5** Control remote access with **Cisco Secure Equipment Access**
- 6** Detect anomalous activities with **Cisco Cyber Vision** and **Cisco Secure Network Analytics**
- 7** Investigate and remediate threats with **Cisco XDR** and **Splunk**

Start your journey to industrial IoT security with Cisco

From OT visibility to network segmentation to zero trust remote access to advanced detection, have peace of mind with Cisco's comprehensive security solution that's easy to deploy at scale and gives you a unified view on IT and OT so you can protect the global enterprise.

[Learn about Cisco Industrial Threat Defense](#)

Sources: 1. Ponemon Institute, The State of IoT/OT Cybersecurity in the Enterprise, 11/2021
2. Accenture, The Cost of Cybercrime, 2019
3. US Cybersecurity and Infrastructure Security Agency (CISA), first half of 2022