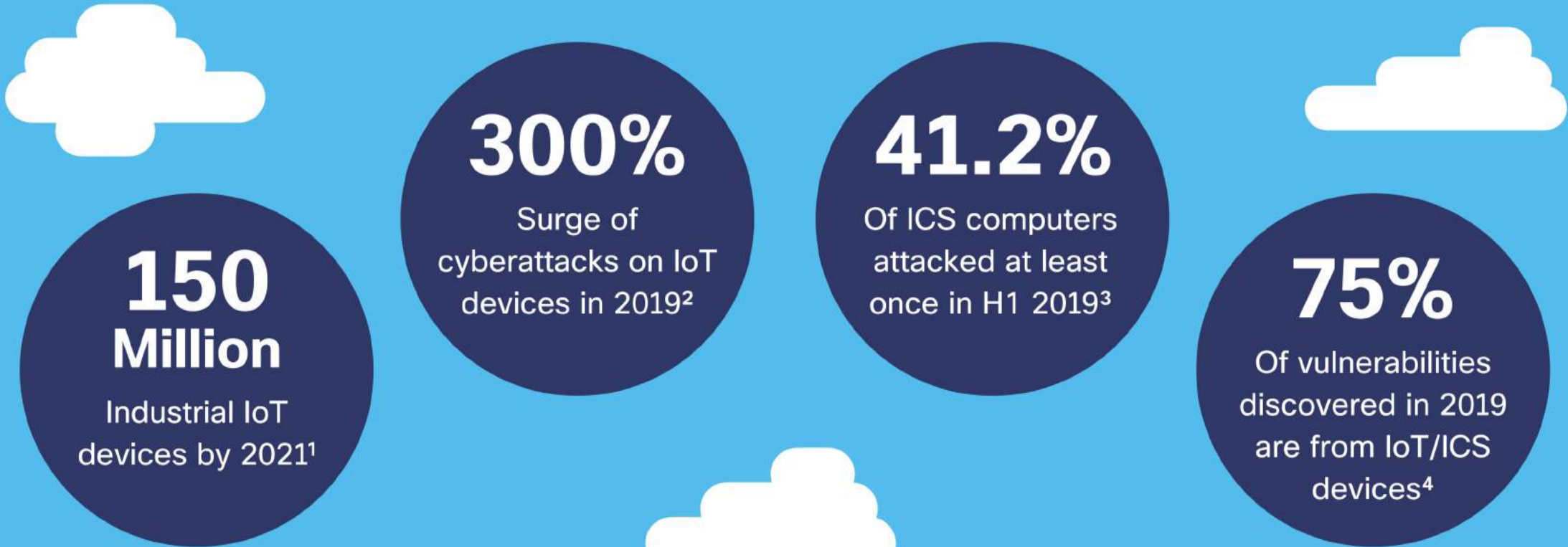# The Road to Industrial IoT Security

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.

150 Million
Industrial IoT devices by 2021[1]

300%
Surge of cyberattacks on IoT devices in 2019[2]

41.2%
Of ICS computers attacked at least once in H1 2019[3]

75%
Of vulnerabilities discovered in 2019 are from IoT/ICS devices[4]

Identify your industrial assets
- Know all of your industrial assets
- Understand who they are communicating with
- Identify vulnerabilities to patch

Segment your control networks
- Group assets into isolated ICS zones
- Define security policies to protect zones
- Prevent attacks from spreading

Enforce security policies
- Detect intrusions from the IT domain
- Block attempts to scan and modify industrial assets
- Control communications on your industrial network

Monitor industrial processes
- Detect abnormal behaviors from industrial assets
- Run converged IT/OT threat investigations
- Block attacks on your ICS before it's too late

The Cisco IoT Route to Success

1. Discover industrial assets with **Cisco Cyber Vision**
2. Enable micro-segmentations with **Cisco ISE**
3. Enforce zone segmentation with **Cisco ISA3000**
4. Monitor for anomalous activity with **Cisco Cyber Vision**
5. Prevent malicious intrusions with ISA3000, powered by **Cisco Talos**
6. Investigate threats across IT and OT with **Cisco Stealthwatch**
7. Build industrial DMZ and secure your OT with **Cisco Firepower**

Start your IoT journey to industrial security with Cisco.

Have peace of mind knowing you can view your industrial asset inventory, monitor your ICS applications live to detect any abnormal behaviors, extend cybersecurity policies to the OT domain, and gain full visibility and control into your industrial network.

Sources: 1. https://iiot-world.com/cybersecurity/managing-the-security-issues-risks-of-industrial-iot/
2. https://blog.f-secure.com/attack-landscape-h1-2019-iot-smb-traffic-abound/
3. https://ics-cert.kaspersky.com/reports/2019/09/30/threat-landscape-for-industrial-automation-systems-h1-2019/#_Toc19618313
4. https://blog.talosintelligence.com/2019/12/vulnerability-discovery-2019.html

At Insoft Services, we partner with our customers to develop an IoT digital transformation strategy that meets their business goals. Leveraging leading vendors and industry experts, our team enables our clients in deploying and operating technologies to boost their employee engagement and customer experience - optimizing IT and OT operations for maximum cost efficiency and agility.

insoft
services

www.insoftservices.com

iot@insoftservices.com | +44 (0) 20 7131 0263

cisco
Partner