

FORTINET®

Secure OT Summit 2022

護航 OT/IT 融合 創新數位發展

智慧工廠網路資安需求部署

林瑞媛 Fanny Lin

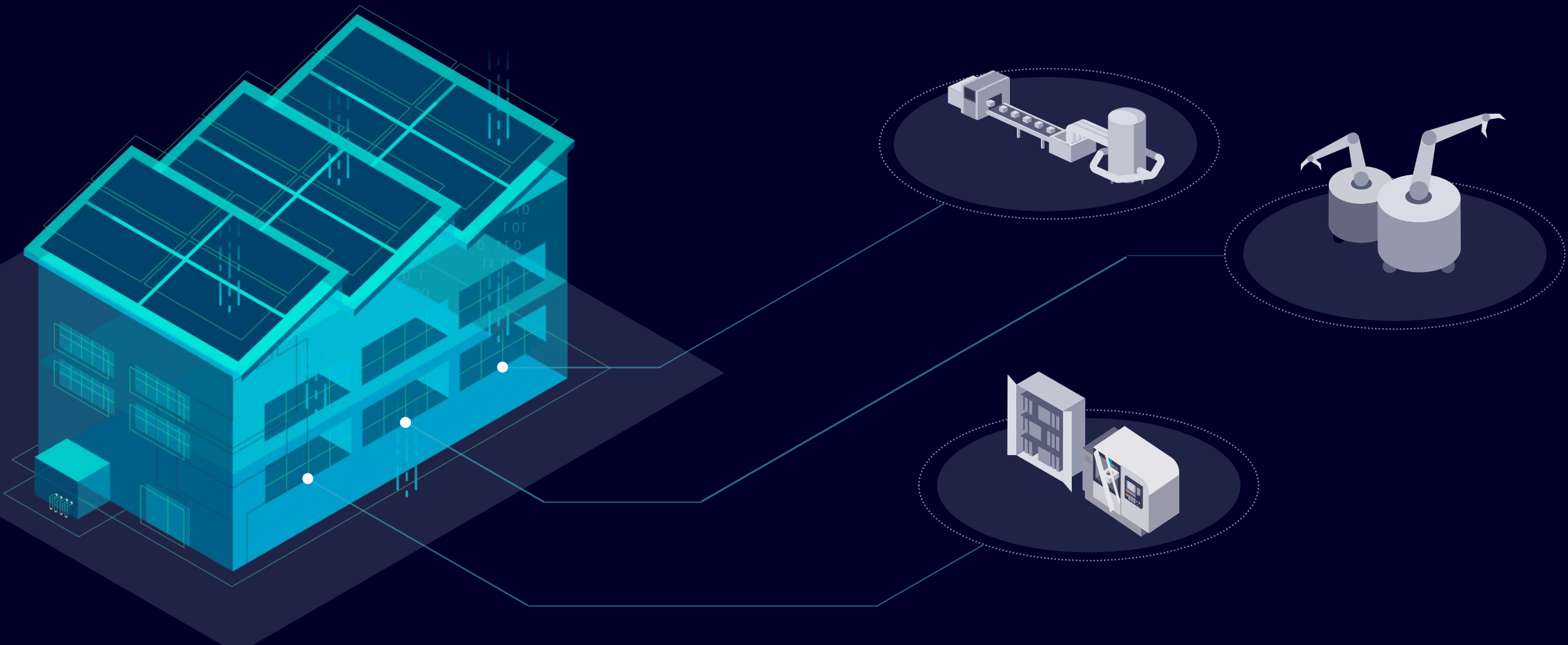
Siemens 製程工業 資深產品經理

Cybersecurity for Industrial Operations

We help you to secure your operations –
You focus on your core business



Yesterday we had islands of communication





Today
everything is
connected ...





... and
at risk

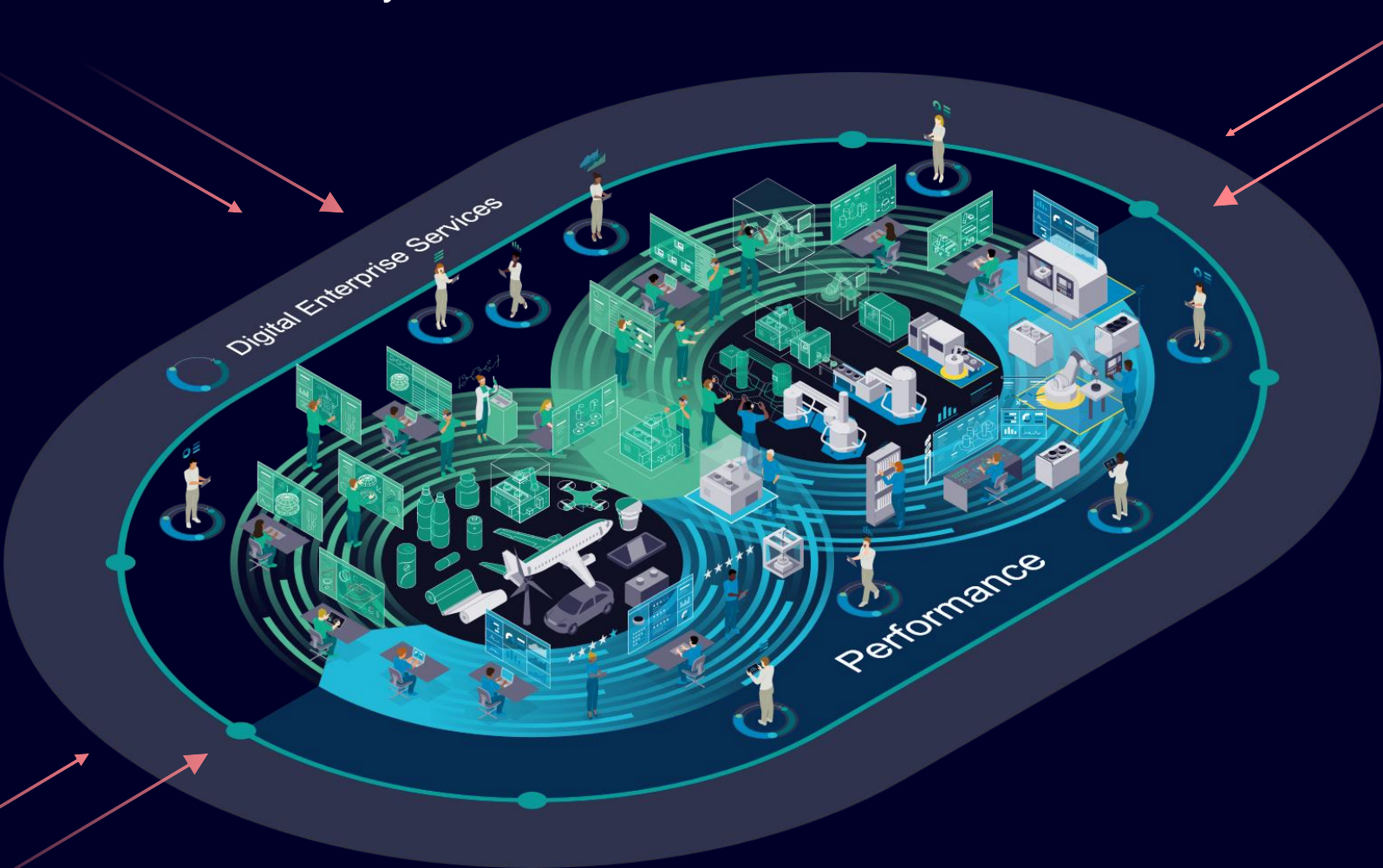


Production systems are part of the IoT

This means IT/OT integration across all areas and layers

IT/OT collaboration means:

- 👍 More connectivity
- 👍 More data
- 👎 New cyber-risks

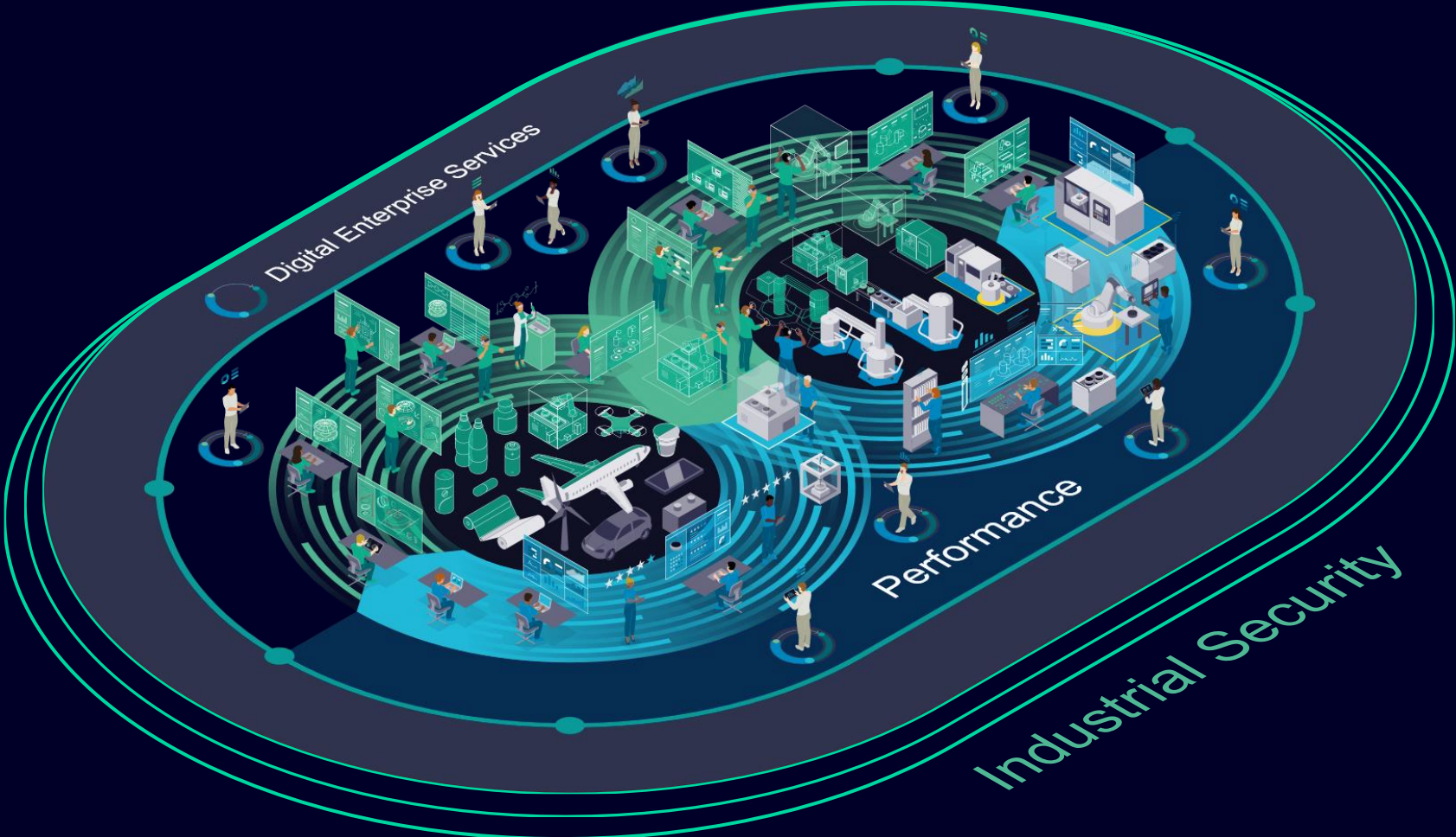


Only a comprehensive security approach based on the defense in depth concept can provide an effective protection



Multi-layered industrial security concept

Embedded in a growing ecosystem





**Why is Cybersecurity
in OT such an important
topic for industry?**

OT is at the intersection of multiple challenges

01

Digitalization

Need for all types of data, in real-time
(LEAN, Predictive Maintenance, etc.)

02

Knowledge gaps

Lack of OT networking and
cybersecurity knowledge and experience

03

Multiplying adversaries

Proliferation of cyber-threat actors
(insider, external, criminal, nation-state, script kiddies)

04

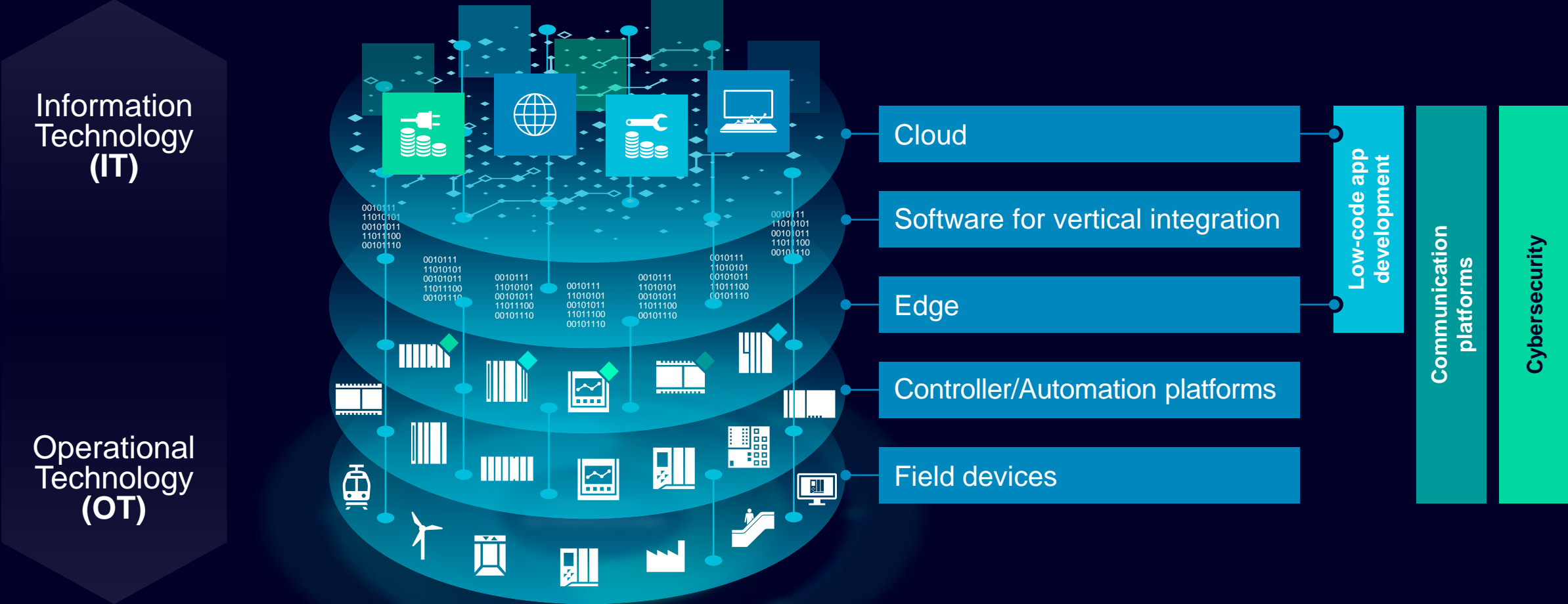
Sophisticated malware infrastructure

Advancement in malware tools and services
(AI, cloud-based tools, etc.)

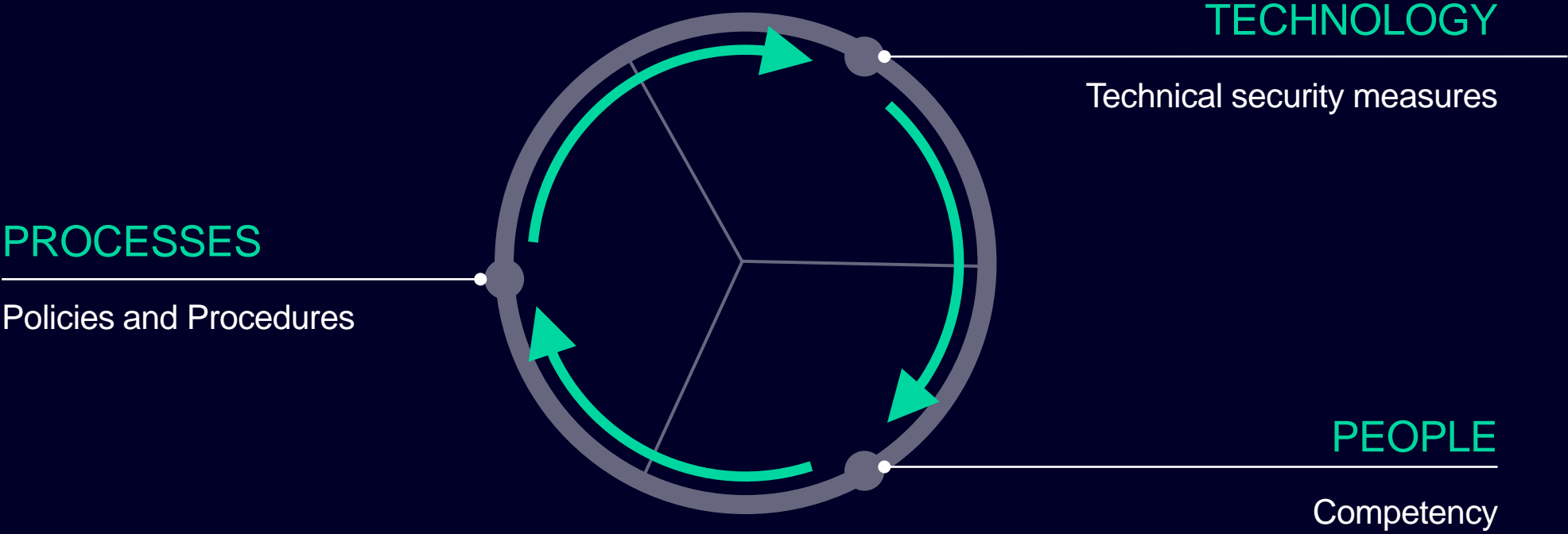


IT/OT integration across all areas and layers

Cybersecurity is a must have in IT and OT!



A holistic Cybersecurity approach is guided by three main pillars People, Technology and Processes



A holistic security protection concept has to include technology, processes and people



**How does Siemens help you
to secure your operations?**

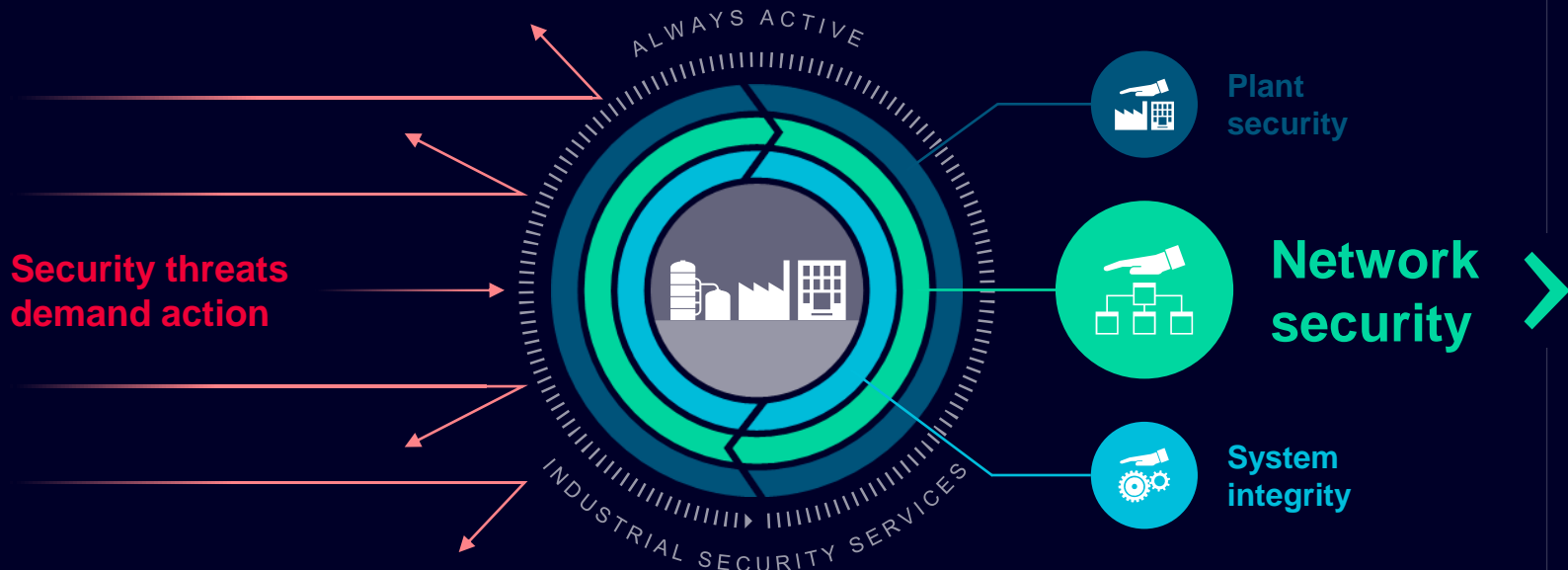
Our holistic Industrial Security concept based on Defense in Depth principle



Supplementing Zero Trust

Combining Zero Trust and perimeter protection principles

Defense in depth remains state-of-the-art, ...



... but classical cell protection ...

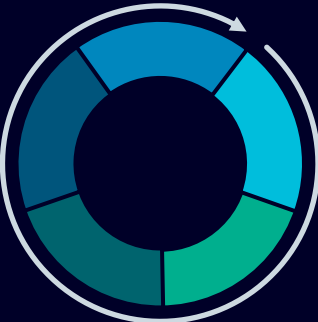


... will be enriched by zero trust principles



Frameworks, Standards and Maturity models can help you to implement Cybersecurity in your operations

Frameworks



- Gauge current technical state and maturity level
- Plan for future needs
- Identify gaps in workforce skills
- Tools needed

Standards

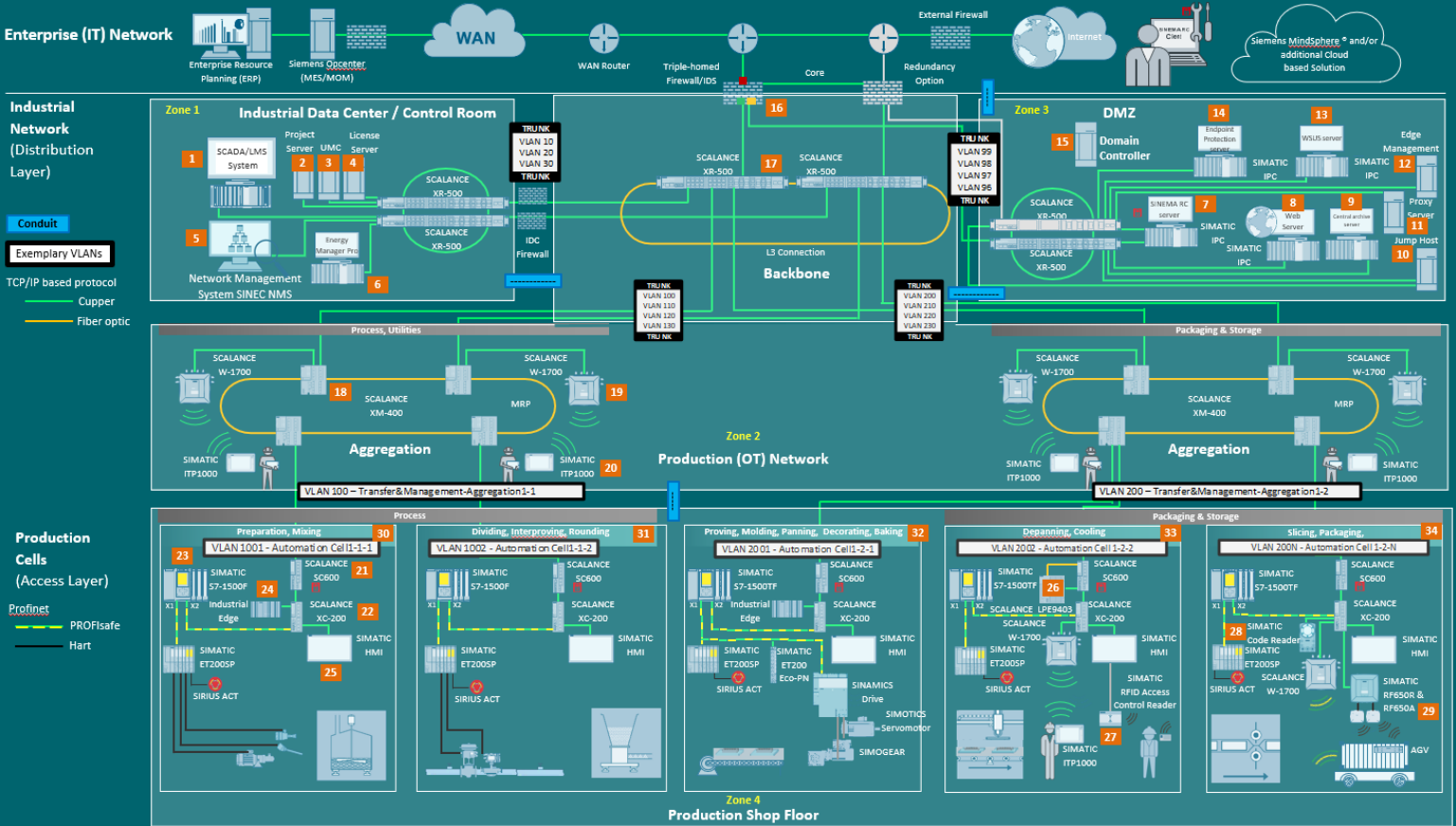
What to do and how to do it?



Our Cybersecurity experts enriched with our profound market knowledge support you for building up secure architectures for your industrial operation

Siemens provides end to end security solution from consulting to implementation of dedicated portfolio and optimization of your applications:

Tailor-made for your complete industrial operations – from sensor to cloud

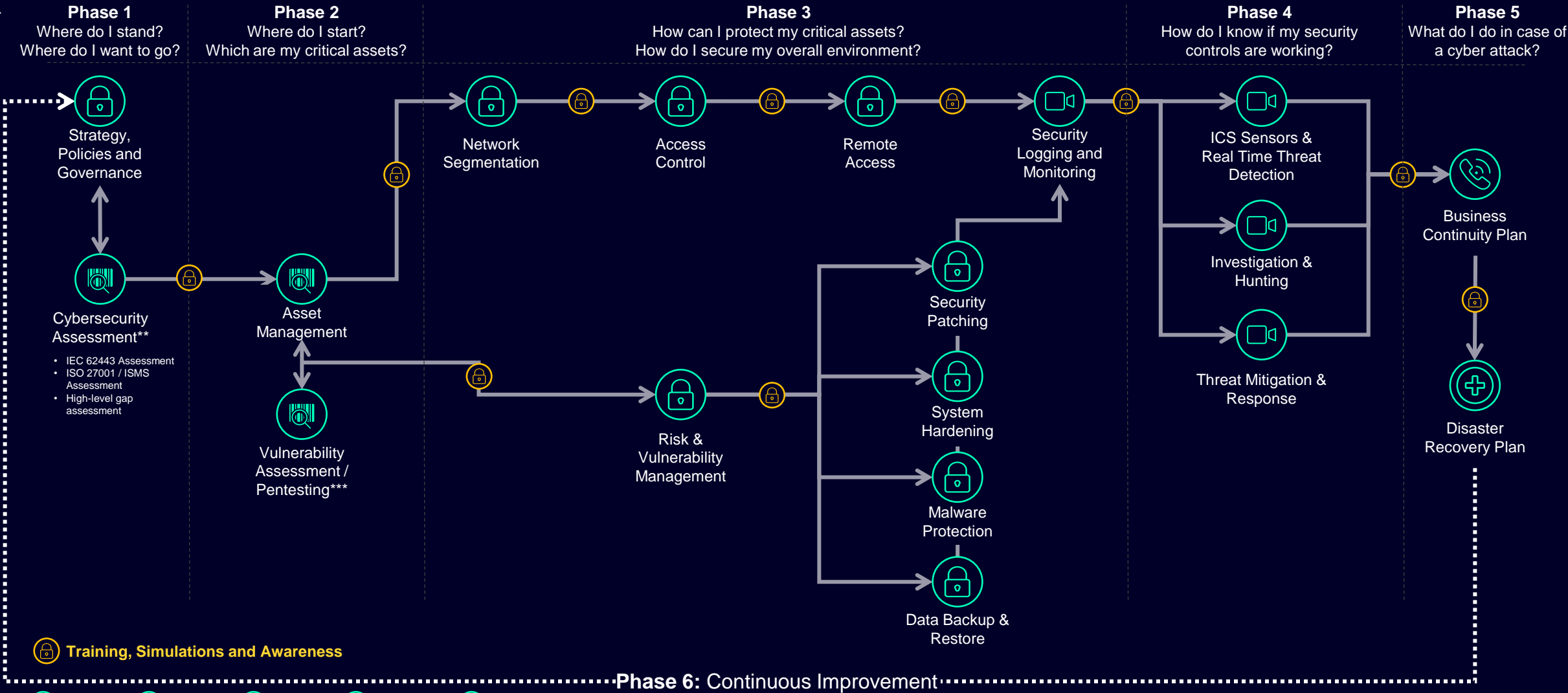




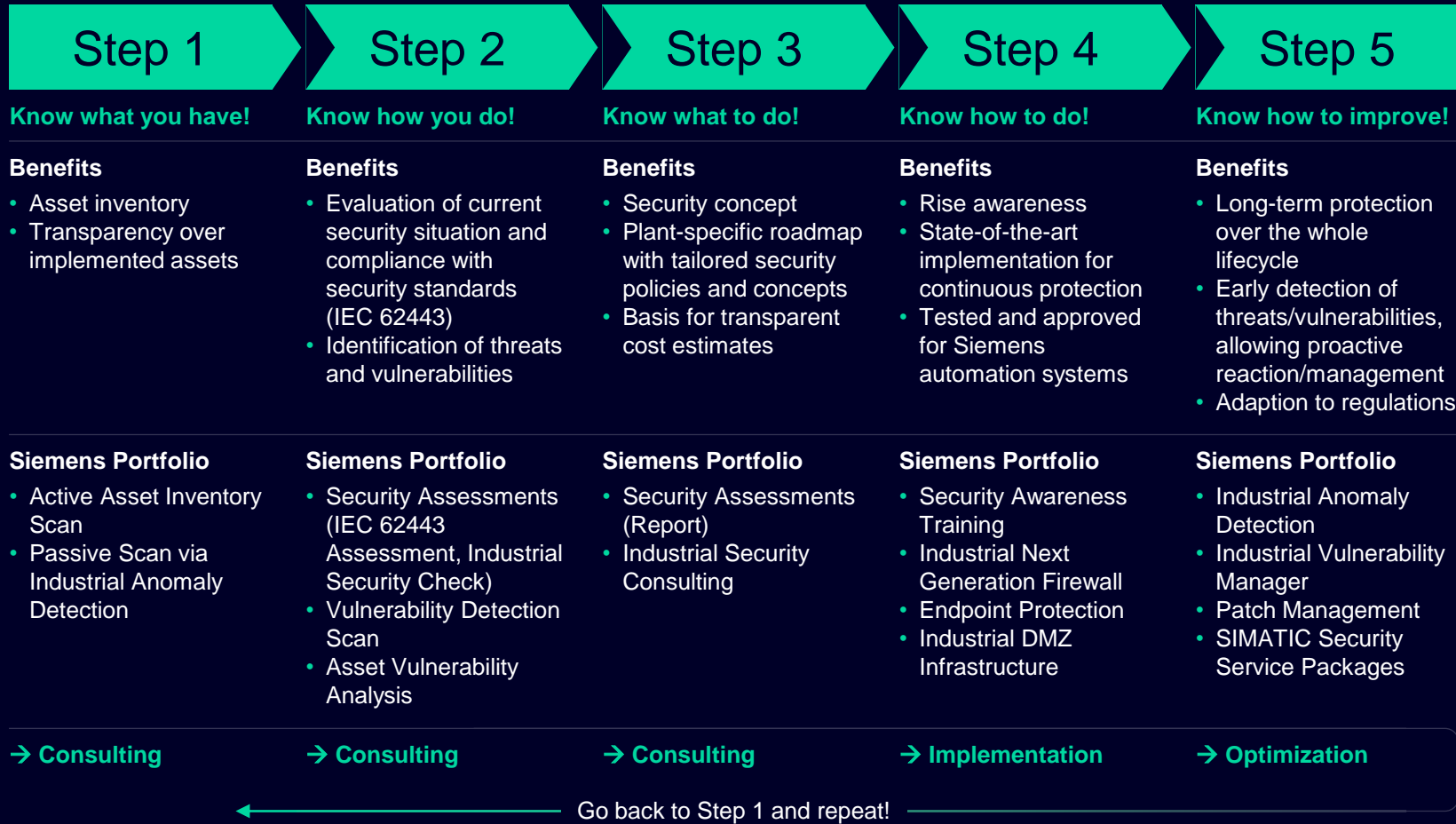
How does Siemens guide you through your Cybersecurity needs?

Cybersecurity step by step ^{*)}

Phases of the Journey



Cybersecurity step by step



Benefits

DI Security overall

Protect the productivity and availability of your plant

Overall

Immediate access to expert know how; Save time and resources

“We make sure that you can focus on your core business!”

Always Active

Incident Response and Security Team for Siemens products

When security issues arise, **we react promptly**, informing our customers and providing them with **recommendations, updates and security patches** as quickly as possible.

We are linked with **over 200 security organizations** around the world through the Forum of Incident Response and Security Teams (**FIRST**)





Thank You!



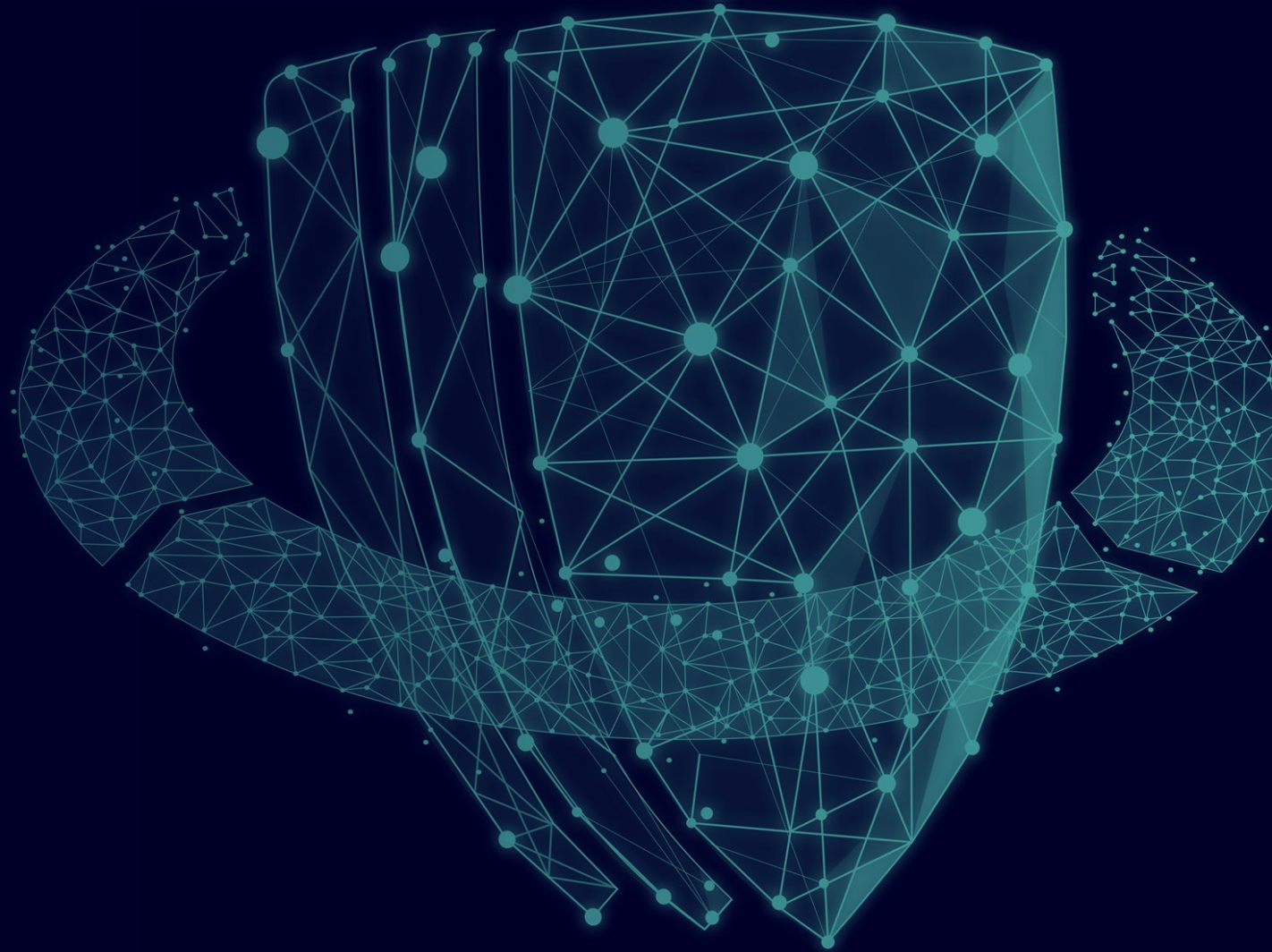
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