

The Fortinet logo, featuring the word "FORTINET" in white capital letters. The letter "O" is replaced by a red square icon with a white grid pattern.

FORTINET

**Absicherung Ihrer OT Umgebung
unter Einhaltung der Compliance
Anforderungen**

Benefits of OT Modernization

Data-driven business decisions

Increased Efficiency

Optimizing the critical resources of people and processes to do more with less



Lower Operational Costs

Competitive advantage of nimbleness, profitability and scalability

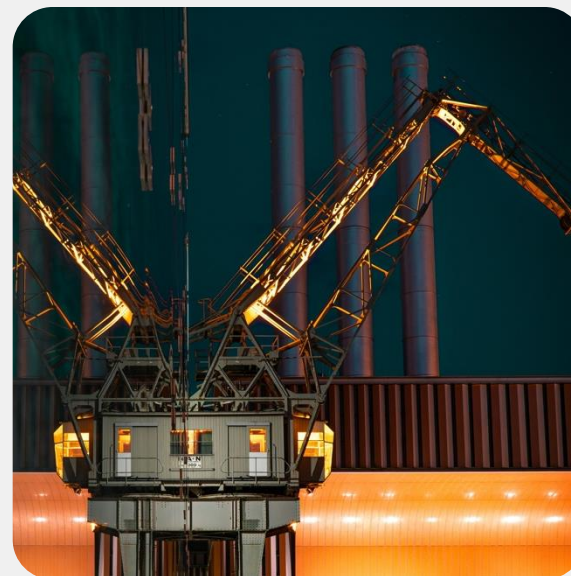
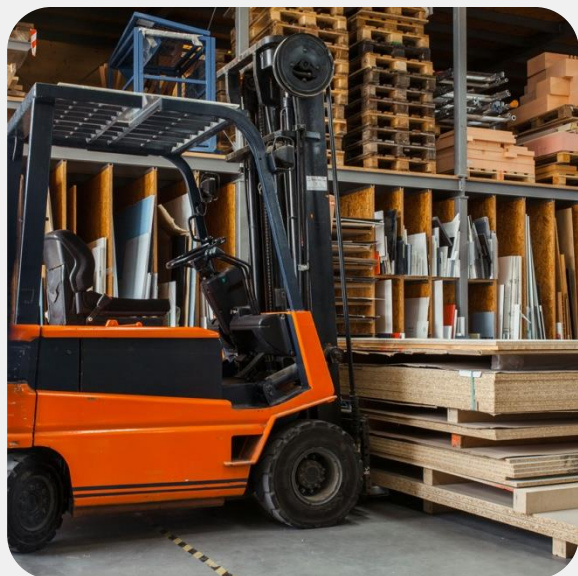


Real-time Decision Insight

Instantaneous ability to alter operations, leverage data and enable AI



Securing Operational Technology Challenges



Most industrial control systems lack security by design and are sensitive to change



The attack surface for cyber-physical assets is expanding, dependence on air-gap protection is diminishing



Digital transformation (Industry 4.0) initiatives driving IT-OT network convergence



Increasing adoption of new technologies, such as 5G, IIoT, and Cloud



Remote access requirements for third-parties and employees causing additional risks



Asset owners' reliance on OEMs and SIs exposes critical systems to additional risks

Manufacturing Industry Threat Landscape



Global Threats
Detected

35.35bn



Exploit Techniques
Detected

29.26bn



Malware Distribution
Detected

94.59M

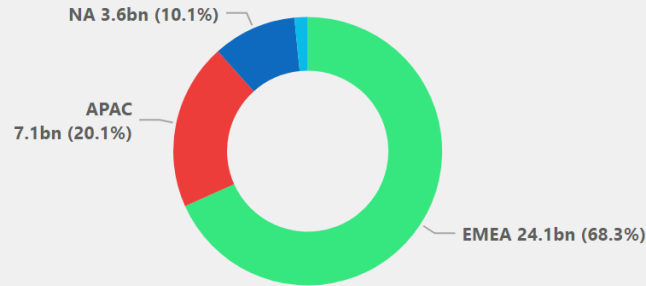


Botnet Activity
Detected

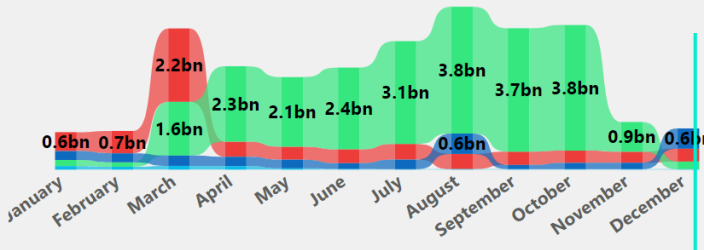
116.15M

Malicious Activity Distribution by Region

● EMEA ● APAC ● NA ● LATAM

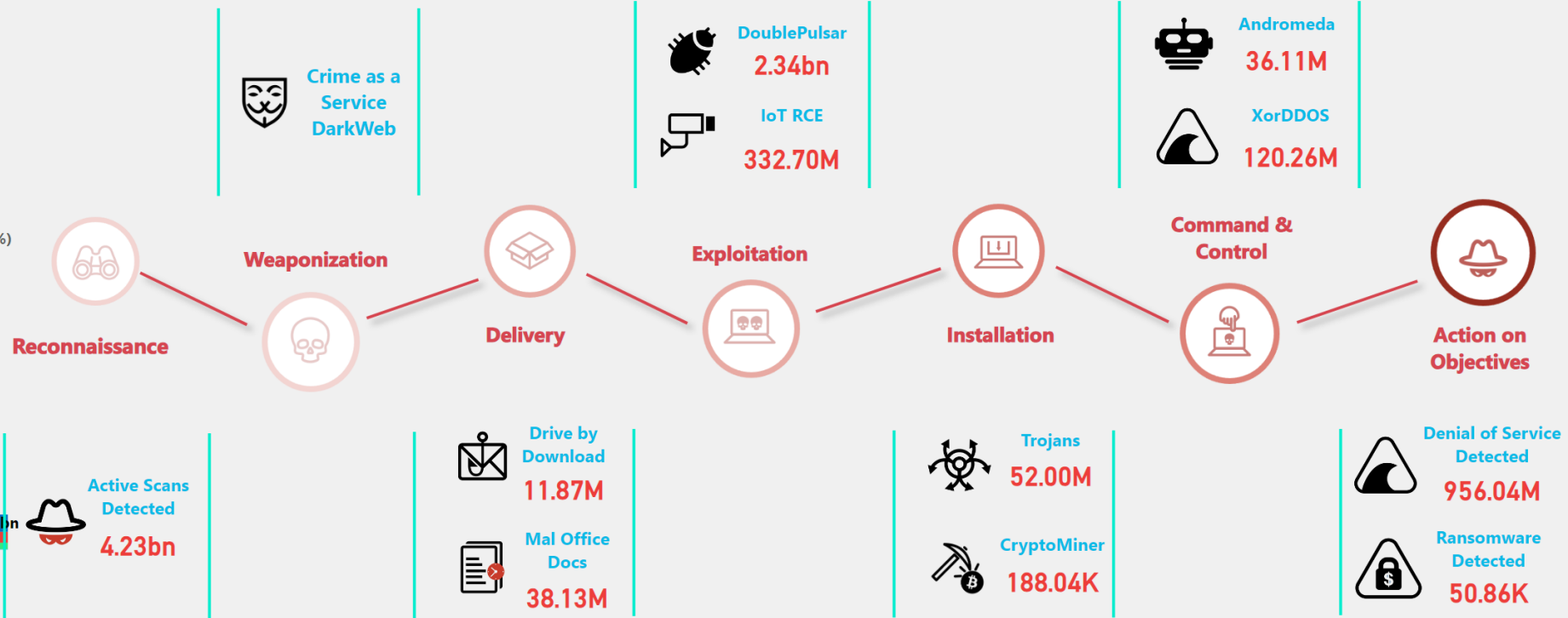


Behavioral Trend Analysis by Region

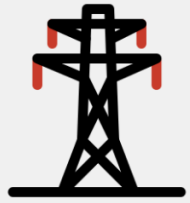


Active Scans
Detected
4.23bn

Cyber Kill Chain Model



Energy & Utilities Threat Landscape



Global Threats
Detected

34.84bn



Exploit Techniques
Detected

19.40bn



Malware Distribution
Detected

25.57M

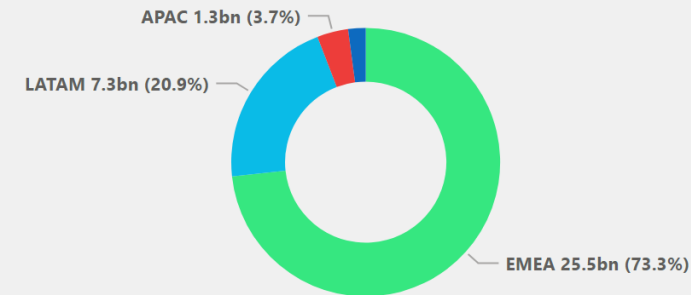


Botnet Activity
Detected

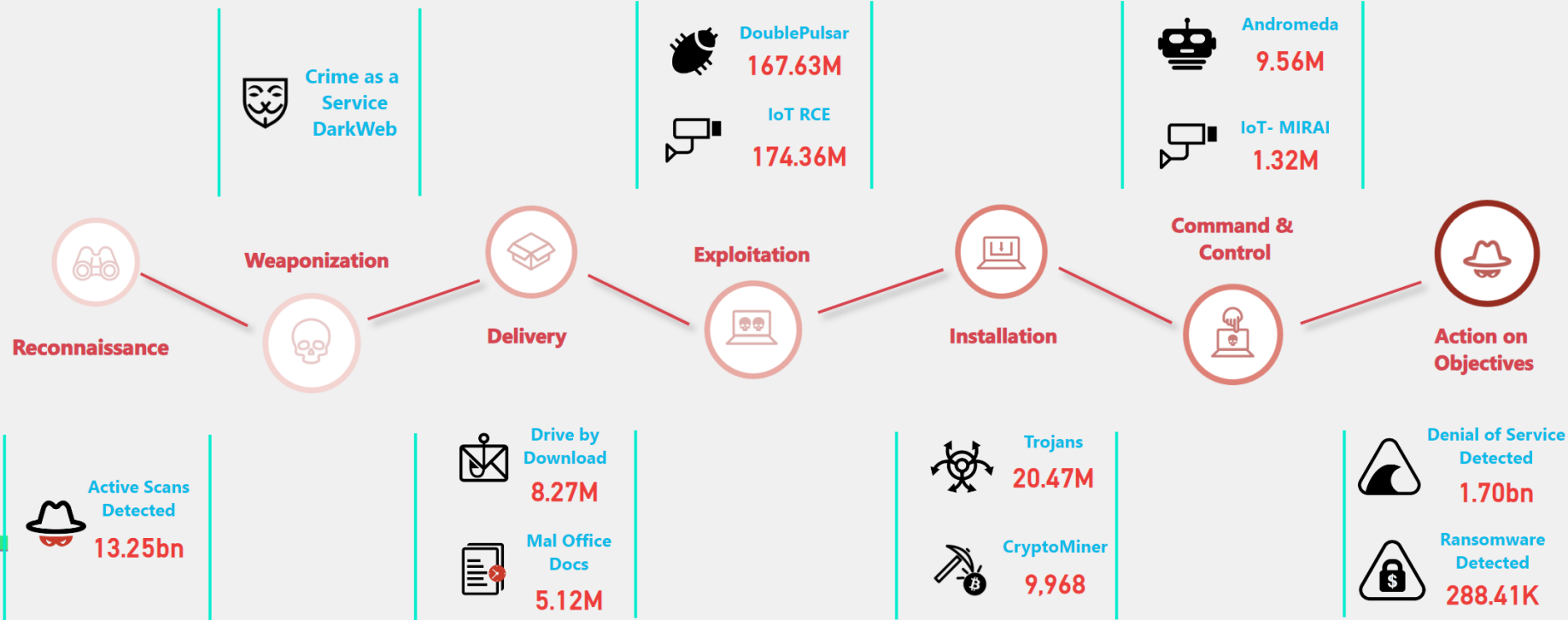
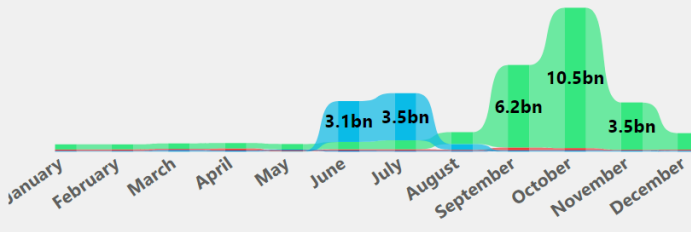
240.24M

Malicious Activity Distribution by Region

● EMEA ● LATAM ● APAC ● NA

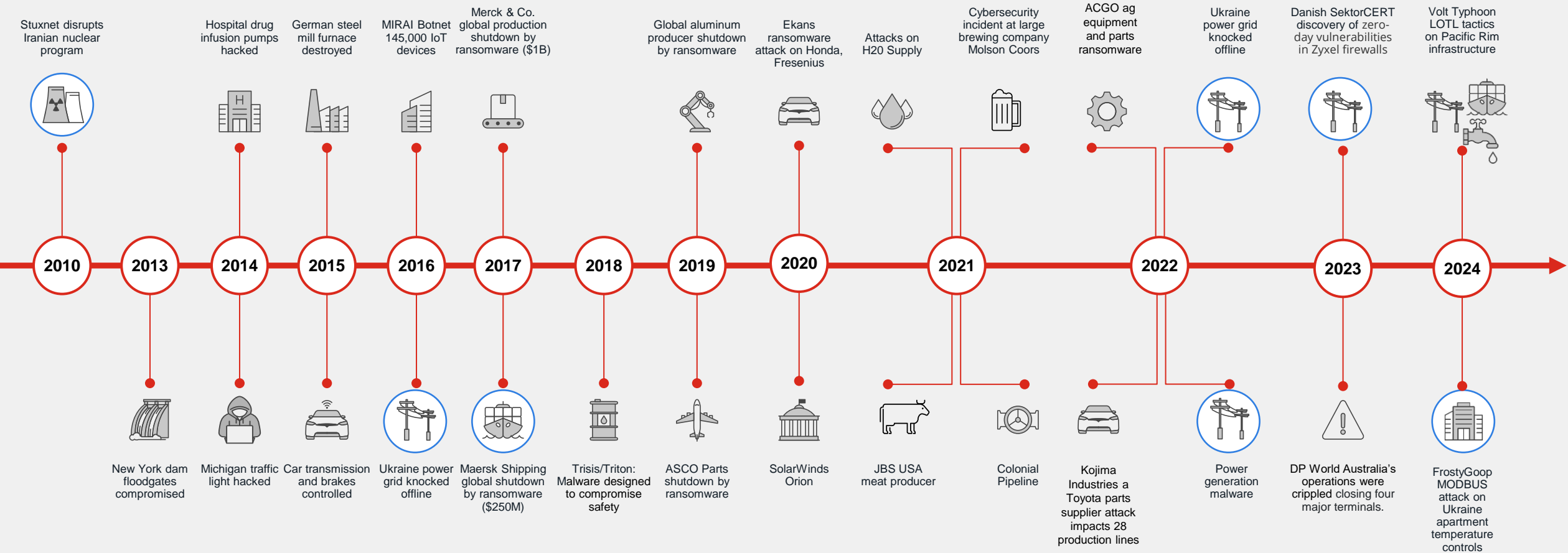


Behavioral Trend Analysis by Region



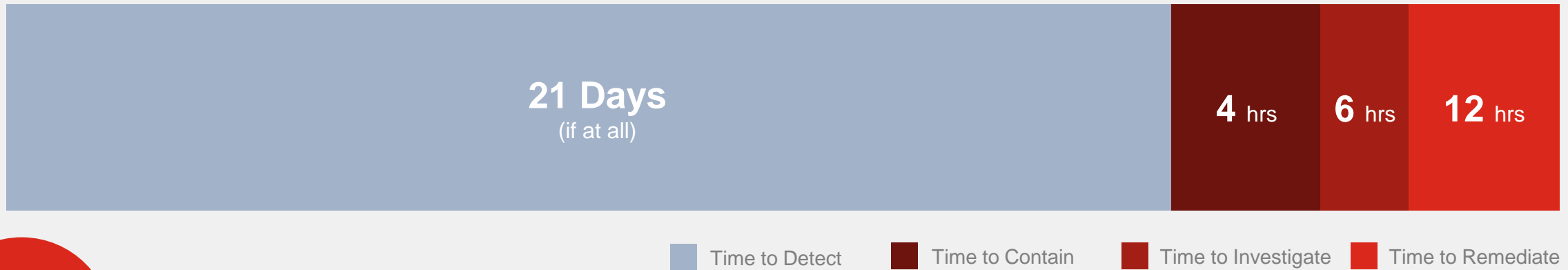
OT Infrastructure Attacks Are Getting Worse

Attacks are increasing in frequency and impact



When Attackers Get in, They Stay Longer and Cost You More

Average time from detection to remediation



52%

of organizations report
SecOps is harder than
two years ago, citing threats,
attack surface,
volume/complexity¹

SEC Rule

4 Days

to disclose material of a cybersecurity
incident

\$9.4M

Avg breach cost



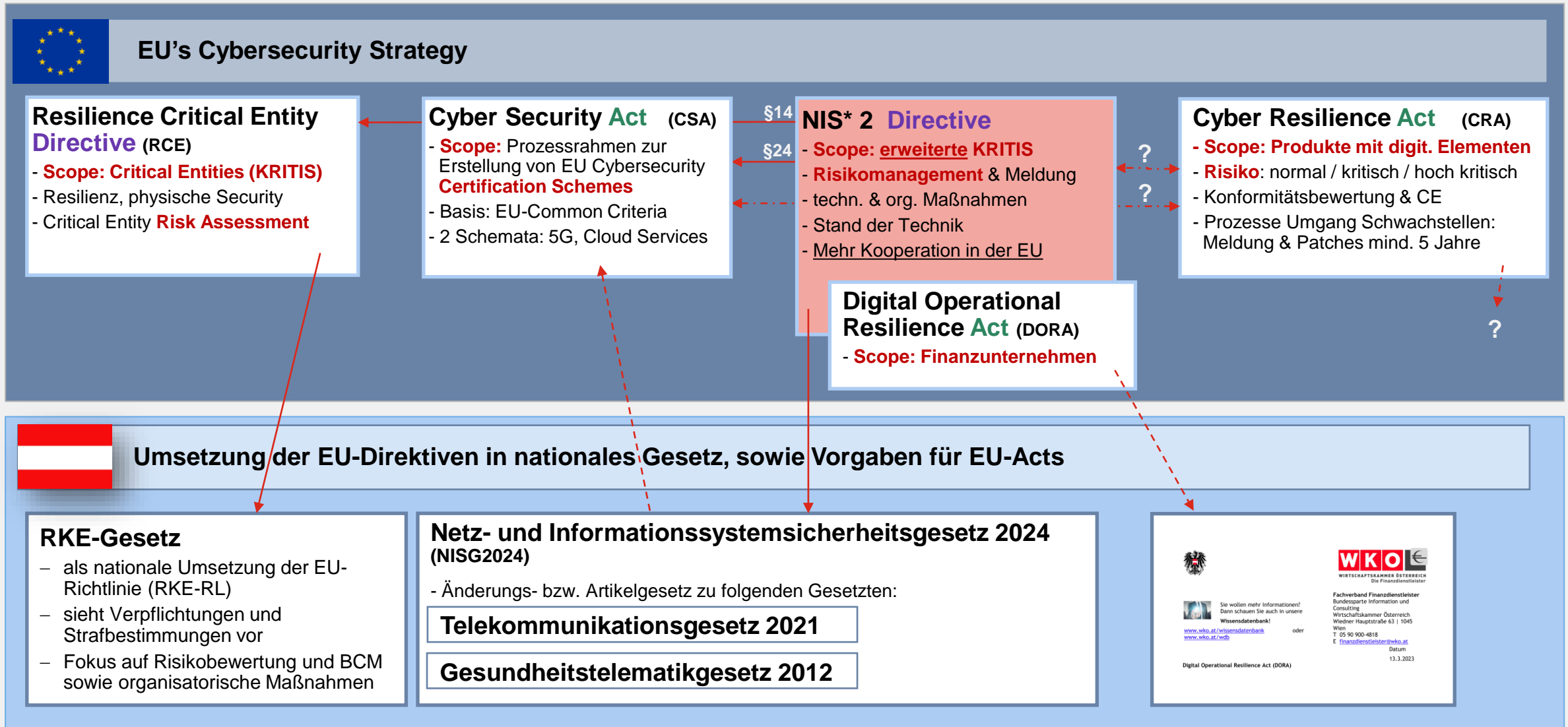


NIS2-EU Rechtsakte

NEU: Umsetzungsempfehlungen seitens der EU



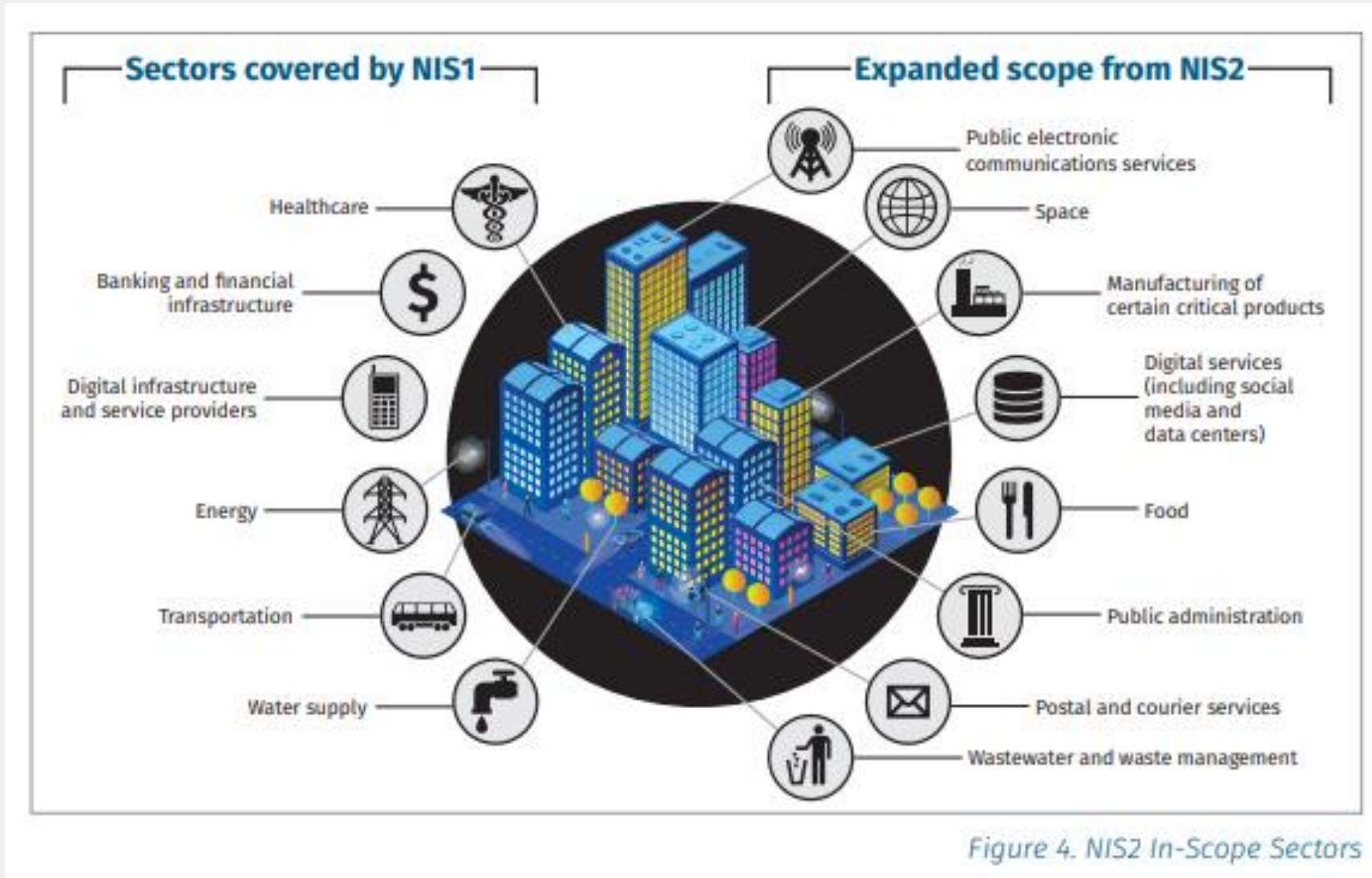
EU's Cybersecurity Strategy: Scope der Workshops



* Network and Information Security /// Act = unmittelbar rechtskräftig /// Directive = Umsetzung in jeweiliges nationales Gesetz notwendig



From NIS1 to NIS2: Changes in Terminology and Scoping



Source: SANS NIS Implementation Guide

<https://www.fortinet.com/content/dam/fortinet/assets/white-papers/wp-sans-enabling-nis-compliance-with-fortinet-ot.pdf>

NIS 2.0 - 5 Pillars



Figure 12. Capabilities Within the NIS-D

- **Asset Management**
- **Access Control**
- **Network Segmentation**
- **Logging & Monitoring**
- **Risk Management**

Source: SANS NIS Implementation Guide

<https://www.fortinet.com/content/dam/fortinet/assets/white-papers/wp-sans-enabling-nis-compliance-with-fortinet-ot.pdf>

Pflichten für Betreiber (abgeleitet aus NIS2-EU §21)



Organisatorische Maßnahmen



- Sicherheitsvorgaben
- Incident Management
- Business Continuity
- Sicherheit in der Lieferkette
- Sicherheit im Life-Cycle
- Bewertung der Wirksamkeit
- Schulungen
- Sicherheit des Personals

Technische Maßnahmen



- Kryptografie
- Zugriffskontrolle
- Asset Management
- Multi-Faktor-Authentifizierung & kontinuierliche Authentifizierung
- Gesicherte Kommunikation
- Gesicherte Notfalls-kommunikationssysteme



Wie erreiche ich Compliance?

Anwendung von Normen und Richtlinien, Stand der Technik



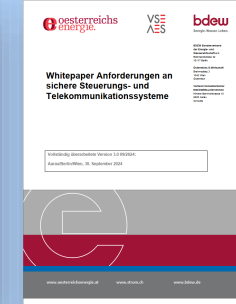
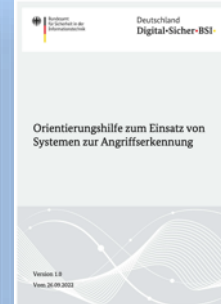
(Inter-) Nationale Normen & Guidelines



Internationale Standards



Nationale Standards, Richtlinien



BDWE + OE + VSE Empfehlung für z.B. EVUs

Anforderungen an Einzelkomponenten, als Teil von Systemen und Anwendungen, inkl. Prozesse



- Scope Erweiterung: neu sind Lieferanten und Hersteller
- aktualisierte Normenanforderungen: Basis ist nun ISO/IEC 27002:2022, neu IEC 62443, BSI TR-03183, NIST SP 800-190
- Dokumentationsanforderungen: über den gesamten Lebenszyklus von Design, Betrieb und Wartung (u.a. System-/ Netzarchitektur, Sicherheitspatches, SBOM, Log/Audit Meldungen, automatisiertes Auslesen von Geräte Parameter)
- Funktionstests: müssen nach einem Update automatisiert durchgeführt werden (Funktion ist vorzuhalten), bei kritischen Systemen ggf. durch ein zusätzliches, kundenspezifisches Testsystem
- Patch-Management: verpflichtend zu implementieren und während Betriebsphase durch ein Wartungsvertrag sicherzustellen
- Verschlüsselung: bei offensichtlichem Schutzbedarf per Default (z.B. Authentisierungsinformationen), nur anerkannte Verfahren aber Abweichungen mittels AG Freigabe möglich, Post-Quantum-Kryptographie beachten
- Neue, wesentliche Anforderungen:
 - Systeme zur Erkennung von Anomalien und Angriffen inkl. Dokumentation: Host & Netzwerk Monitoring, SIEM, Anomalieerkennung auf Basis von Baselineing, Angriffserkennung auf Basis von IoCs, IPS nur nach Risikoanalyse (alles muss in die Zonenstruktur des AG)
 - Industrial IoT: Anbindung an OT über gesicherte Proxies, Krypto-Protokolle, Härtung der IoT-Komponenten, Update/Patch Management
 - Sicherheits- und Abnahmetests: erfolgen durch Auftragnehmer, Prüfkonfiguration muss von Auftraggeber kommen (abgestufte FAT/SAT)
 - Containervirtualisierung: getrennte Workspaces, Segmentierung / Separierung, Verwaltung, sichere Quellen inkl. Signaturen
 - granulare Zugriffskontrolle: Basissystem mit Admin & Bediener, Fernzugang mittels 2FA (AG kann fest vorgeben), 802.11X oder MAC
 - Cloud-Dienste: volle Kontrolle durch Betreiber, einschlägige Zertifikate und ggf. ergänzende Vereinbarungen

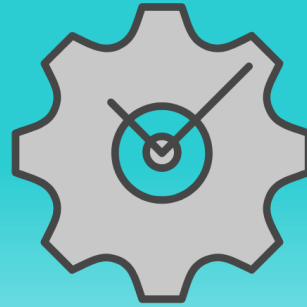
Recommended Best Practices for Technical Measures



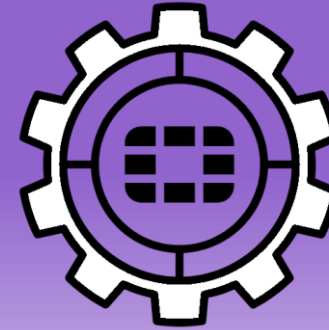
Segmentation



**Visibility &
Compensating
Controls**



SOC & IR



**Platform
Approach**



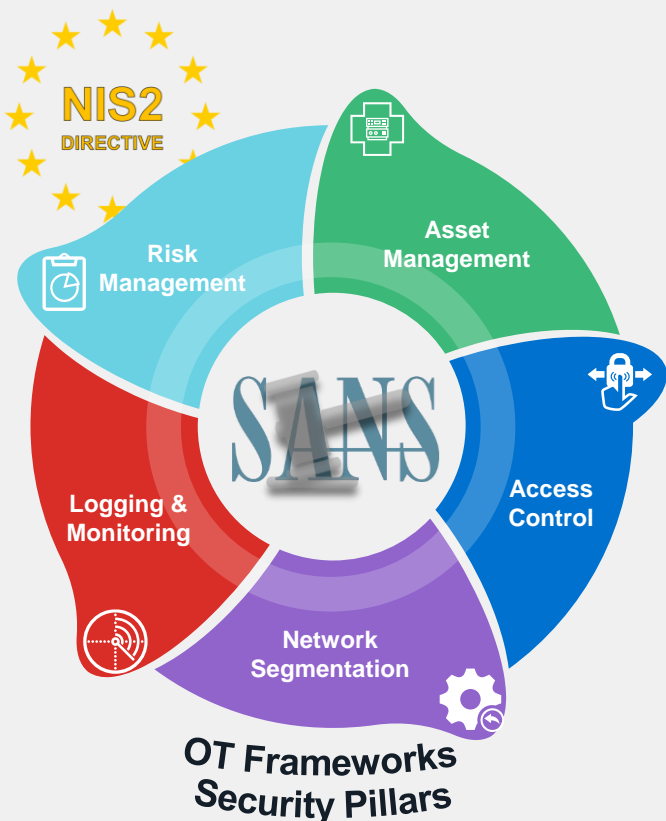
**OT threat
intelligence**



Safeguarding OT

A Technology Mapping for Compliance

Promoting an Integrated Security Platform for Automation, Orchestration, and **Compliance**



Asset Management



SIEM



NAC



NGFW



API

Access Control to Networks & Assets



NGFW



NAC



FAC



Client



Tokens

Segmentation, Protection & Response



NGFW



Switch



WIFI



XDR



Tokens

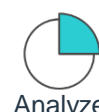
Events, Alerts and Incident Detection



SOAR



SIEM



Analyzer



SandBox



Deception

Risk Management



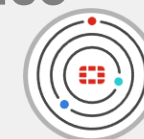
Manager



SIEM



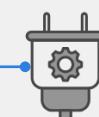
Analyzer



Single Pane Management



Threat Intelligence

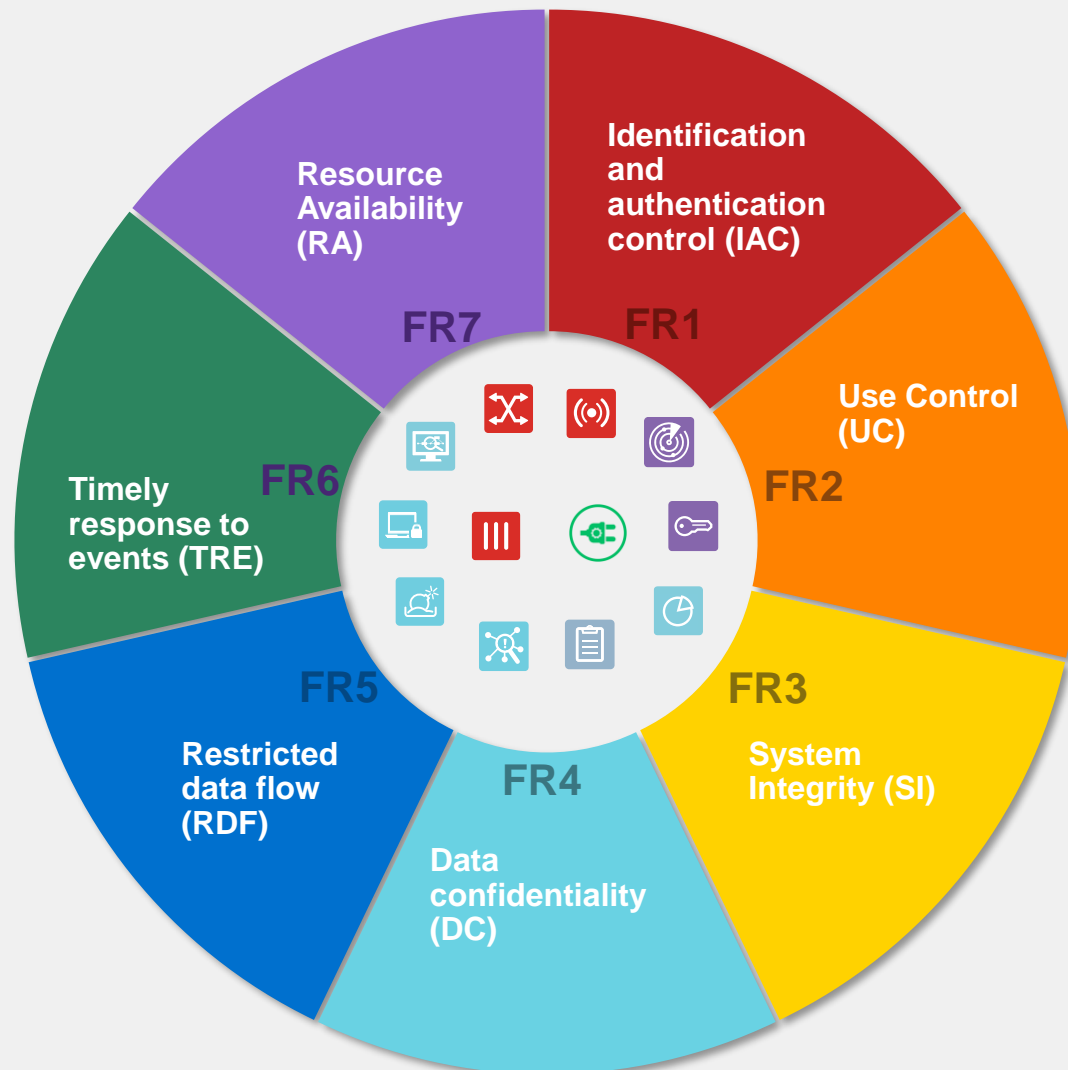


Interoperability



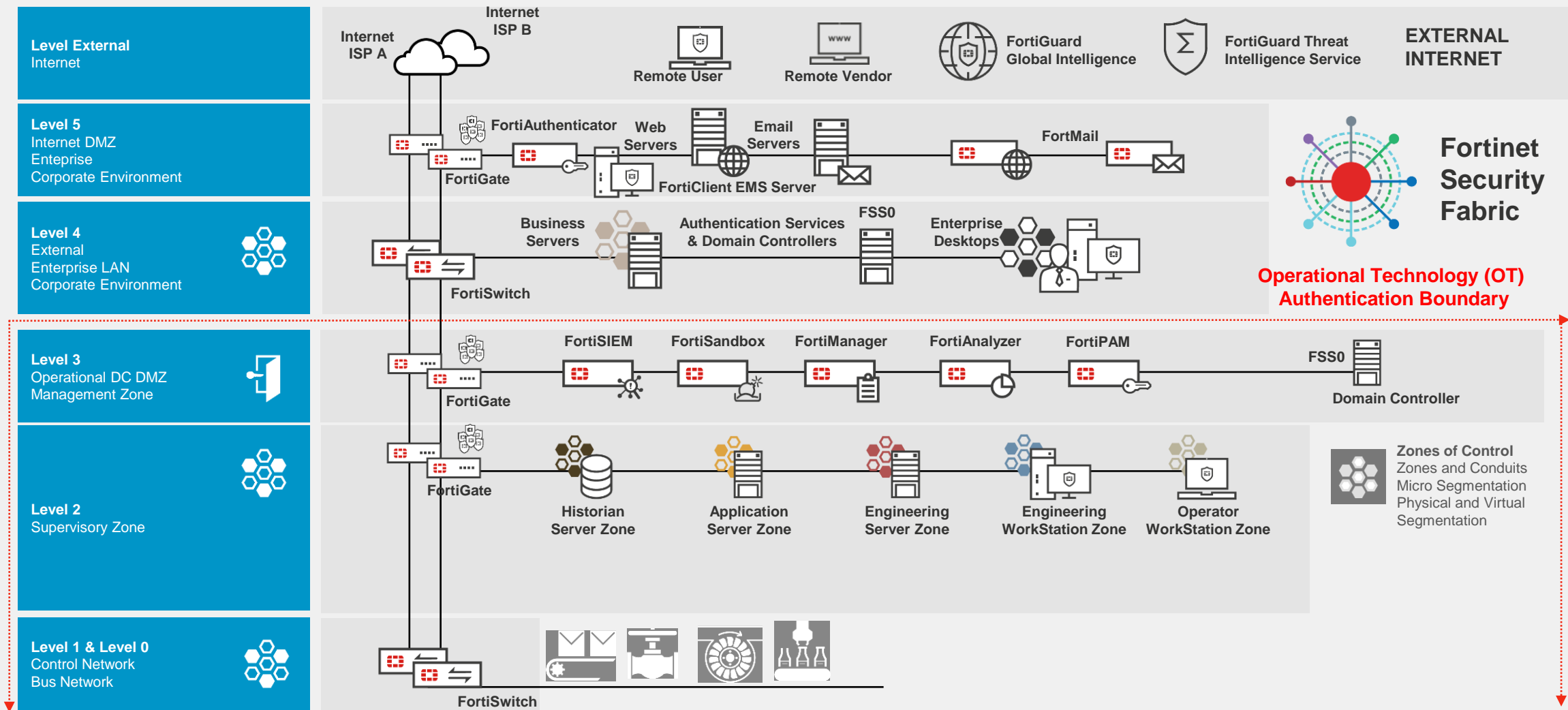
Fortinet Security Fabric and Compliance IEC 62443 Framework

Organizations can use IEC 62443 to strengthen their protection of ICS by using it as a framework to assess and mitigate ICS security vulnerabilities





- 1** FortiGate, FortiWiFi/FortiAP, FortiNAC, FortiAuthenticator, FortiToken, FortiClient, FortiEDR, FortiAnalyzer, FortiManager, FortiSIEM
- 2** FortiGate, FortiWiFi/FortiAP, FortiNAC, FortiAuthenticator, FortiToken, FortiClient, FortiEDR, FortiAnalyzer, FortiManager, FortiSandbox, FortiSIEM
- 3** FortiGate, FortiWiFi/FortiAP, FortiAuthenticator, FortiToken, FortiClient, FortiEDR, FortiAnalyzer, FortiManager, FortiSandbox, FortiSIEM, FortiTester, FortiResponder
- 4** FortiGate, FortiSwitch, FortiAP, FortiEDR
- 5** FortiGate, FortiSwitch, FortiNAC, FortiClient, FortiEDR, FortiAnalyzer
- 6** FortiGate, FortiClient, FortiEDR, FortiAnalyzer, FortiSIEM, FortiManager
- 7** FortiGate, FortiClient, FortiEDR, FortiAnalyzer, FortiManager, Fabric-Ready Partner Solutions

IEC 62443 Compliant Solution Architecture



NIS2 Pflichten: Umsetzung durch FTNT & Partner

	Organisatorische Maßnahmen 		Technische Maßnahmen 
	FTNT Partner*	FortiGuard Services	Technical Products **
• Sicherheitsvorgaben: Risikoanalyse	X		
• Incident management	X	X	X
• Aufrechterhaltung des Betriebs	X		
• Sicherheit in der Lieferkette	X		
• Maßnahmen im Lebenszyklus	X		
• Bewertung der Wirksamkeit	X	X	X
• Cyberhygiene und Schulungen	X		
• Kryptografie			X
• Personal	X		
• Zugriffskontrolle	X		X
• Asset Management	X		O
• Multi-Faktor-/Kontinuierliche Authentifizierung			X
• Gesicherte Kommunikation			X
• Gesicherte Notfallkommunikationssysteme			X

* PS – Professional Service der Fortinet

** incl. FortiCare Services with Deployment & Operational Assistance (Advanced Services)



FTNT Portfolio: The Broadest Platform in Cybersecurity



Secure Networking



FortiGate
NGFW with ASIC acceleration and industry leading Convergence



FortiAP
Protected Wi-Fi connectivity via Secure Networking convergence with FortiGate



FortiNAC
Visibility, access control and automated responses for all networked devices



FortiGate Cloud
SaaS platform offering zero-touch deployment, network management and security analytics



FortiAIops
AI based insights for rapid analysis and remediation of network issues



FortiVoice
Unified communications with secure voice, chat, conferencing, and fax



FortiRecorder
Secure NVR with smart AI analysis and centralized visibility



FGaaS
Hardware as a service for FortiGate



FortiSwitch
Protected Ethernet connectivity via Secure Networking convergence with FortiGate



FortiManager
Centralized management of your Fortinet security infrastructure



FortiExtender
Extend scalable and resilient LTE and LAN connectivity



FortiEdge Cloud
Cloud management for standalone LAN, WLAN and 5G gateway equipment



FortiFone
Robust IP phones and softclient to stay connected from anywhere



FortiCamera
Physical security with intelligent motion detection in any light condition



FortiConverter
Secure and automated firewall migration from a broad spectrum of vendors



Unified SASE

SASE



FortiGate SD-WAN
Application-centric, scalable, and Secure SD-WAN with NGFW



FortiClient ZTA Agent
Remote access, application access, and risk reduction



FortiProxy
Enforce internet compliance and granular application control



FortiCASB
Prevent misconfigurations of SaaS apps and meet compliance



FortiClient EPP Agent
Endpoint Protection Agent with AV, URL and Sand-box



FortiSASE
Cloud-delivered Security Services Edge



FortiMonitor
SaaS based DEM platform, performance monitoring

CLOUD



FortiGate VM
NGFW w/ SOC acceleration and industry-leading secure SD-WAN



FortiWeb
Prevent web application attacks against critical web assets



FortiGSLB
Ensure business continuity during unexpected network downtime



FortiFlex
Flexible daily usage-based consumption licensing for a broad catalog of solution



FortiGate CNF
Hosted cloud-native firewall for simplified cloud network security



FortiADC
Application-aware intelligence for distribution of application traffic



FortiDDoS
Machine-learning quickly inspects traffic at layers 3, 4, and 7



FortiPoints
Simplified, flexible licensing for annual contracts, renewals, upgrades, and co-terms



AI-Powered FortiGuard Security



Web Filtering



IPS



AV



Sandbox



IL MPS



Application Control



Attack Surface



DLP



OT Security Services



IoC



IL CASB



Security Operations



FortiAnalyzer
Security Fabric log management, monitoring and response



FortiSIEM
Enterprise-wide monitoring, threat detection, and response



FortiEDR/XDR
Automated endpoint protection and correlated incident response



FortiSOAR
Automated security operations, investigation, and response



FortiNDR
AI-driven analysis to detect and respond to threats



SOCaaS
Continuous security monitoring, incident triage, and escalation



IR Services
Rapid detection, containment, and recovery of cyberattacks



FortiDeceptor
Active deception platform for early in-network attack detection and response



FortiTrust Identity
Identity and Access Management as a Service (IDaaS)



FortiGuest
Access management solution for temporary access to guests and visitors



FortiCNAPP
Secure code to cloud with a single, data-driven platform



FortiNextDLP
Endpoint DLP and Insider Risk management



FortiMail
AI-powered, protection against email-borne threats



FortiSandbox
AI-powered real-time protection against unknown and 0-day threats



FortiToken
Cloud/HW/Mobile MFA provide passwordless adaptive authentication



FortiAuthenticator
Centralized identity and access management solution



FortiGuard MDR Service
Managed threat detection, investigation, and response



FortiRecon
Proactive digital risk protection service and external/internal threat monitoring



FortiPAM
Privileged identity and access management, and session monitoring



FortiTester
Network performance testing and breach attack simulation (BAS)



FortiDevSec
Orchestrated and automated continuous application security testing



FortiDAST
Automated black-box dynamic application security testing



FortiScanner Cloud
Cyber Asset Attack Surface Management Service



FortiAI
Integrated GenAI Assist for SOC and NOC



OT Security Platform



OT Security Service
FortiGuard subscription for FortiGate NGFW enables protection against OT-specific threats



Ruggedized Products
Rugged NGFW, switch, AP, and 5G extenders provide secure connectivity in harsh outdoor environments



FortiSRA
Agentless secure remote access offers robust remote access control, management, session logging, monitoring, and recording



SecOps for OT
Advanced cybersecurity controls bring OT networks into the SOC and incident response plans



Open Ecosystem



FNDN
Advanced tools for Fortinet community to develop custom solutions



Fabric Connectors
Fortinet-developed integrations for automation and security



Fabric API
Partner-developed integrations for end-to-end visibility and protection



DevOps Tools
Community-driven scripts automate network/security tasks



Extended Ecosystem
Integrates with third-party systems and orgs for sharing threat-intel



Resources



Product Matrix
Specifications for top selling models



Free Training
Fortinet is committed to training over 1 million people by 2025



FortiOS
The Heart of the Fortinet Security Fabric



Fortinet Brochure
Highlighting our broad, integrated, and automated solutions, quarterly



Free Assessment
Perform an assessment in your network to validate your existing controls

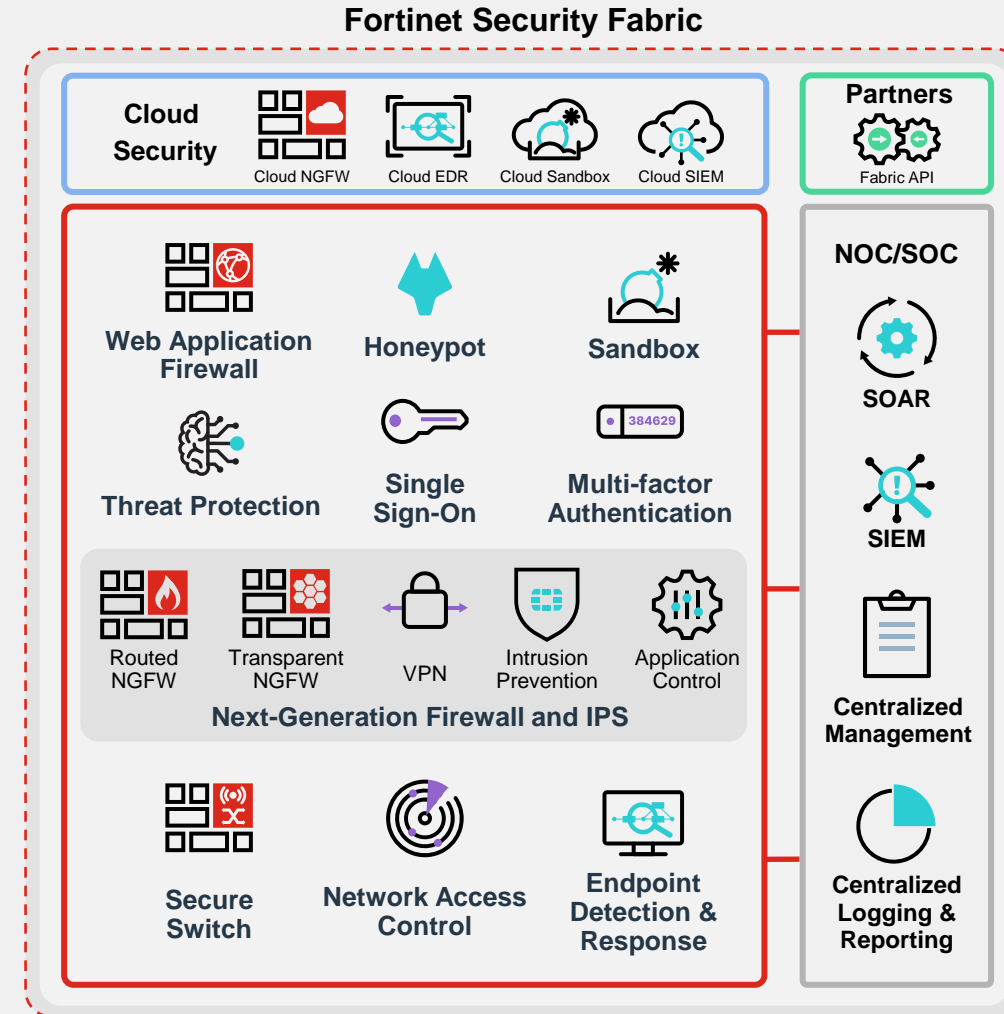
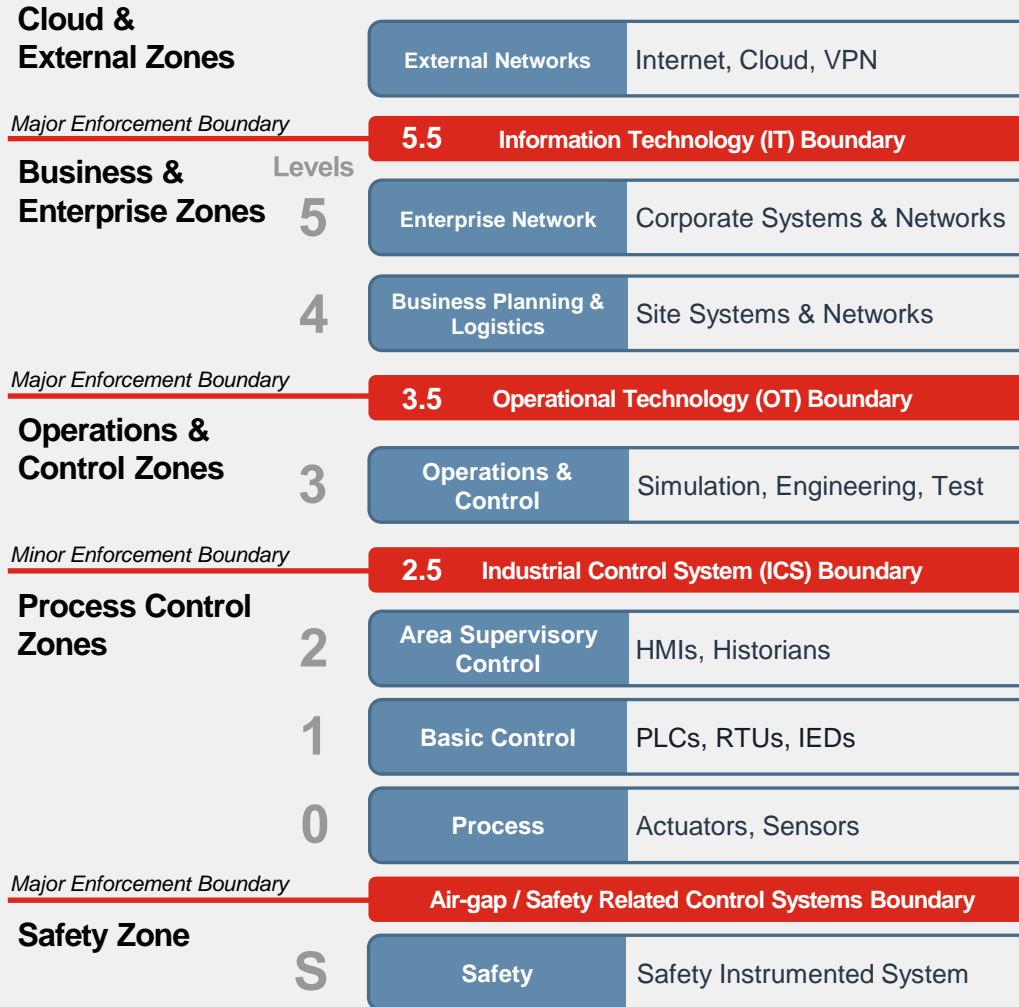


FortiCare
Support and mitigation services



Fortinet Securing the IT & OT

Network Segmentation
Network Microsegmentation
Network Access Control
Web Services Security
Secure Remote Access
Threat Protection
Application Control
Endpoint Security
Honeypot
Sandbox
NOC/SOC



Boundary: Demilitarized Zone (DMZ), Security Conduit

Zones: Security Zones

IPS: Intrusion Prevention System

SIEM: Security Information and Event Management

SOAR: Security Orchestration, Automation and Response



Anforderungen an Risikomanagement, Melde-, Registrierungs-, Nachweis und Unterrichtungspflichten



NIS2UmsuCG: neu §30 (**Scope**: besonders wichtige Einrichtungen & wichtige Einrichtungen)

§ 30 BSIg: Risikomanagementmaßnahmen (an den **Scope**)

(2) **Maßnahmen** nach Absatz 1 **sollen den Stand der Technik einhalten, die einschlägigen europäischen und internationalen Normen berücksichtigen und müssen auf einem gefahrenübergreifenden Ansatz beruhen**. Die Maßnahmen müssen zumindest Folgendes umfassen:

1. Konzepte in Bezug auf die Risikoanalyse und Sicherheit für Informationssysteme,
2. Bewältigung von Sicherheitsvorfällen,
3. Aufrechterhaltung des Betriebs, wie Backup-Management & Wiederherstellung nach einem Notfall, & Krisenmanagement,
4. Sicherheit der Lieferkette einschließlich sicherheitsbezogener Aspekte der Beziehungen zwischen den einzelnen Einrichtungen und ihren unmittelbaren Anbietern oder Diensteanbietern,
5. Sicherheitsmaßnahmen bei Erwerb, Entwicklung und Wartung von informationstechnischen Systemen, Komponenten und Prozessen, einschließlich Management und Offenlegung von Schwachstellen,
6. Konzepte und Verfahren zur Bewertung der Wirksamkeit von Risikomanagementmaßnahmen im Bereich der Cybersicherheit,
7. grundlegende Verfahren im Bereich der Cyberhygiene und Schulungen im Bereich der Cybersicherheit,
8. Konzepte und Verfahren für den Einsatz von Kryptografie und Verschlüsselung,
9. Sicherheit des Personals, Konzepte für die Zugriffskontrolle und Management von Anlagen,
10. Verwendung von Lösungen zur Multi-Faktor-Authentifizierung oder kontinuierlichen Authentifizierung, gesicherte Sprach-, Video- und Textkommunikation sowie gegebenenfalls gesicherte Notfallkommunikationssysteme innerhalb der Einrichtung.



Anforderungen an Risikomanagement, Melde-, Registrierungs-, Nachweis und Unterrichtungspflichten



NIS2UmsuCG: neu §30 (**Scope**: besonders wichtige & wichtige Einrichtungen)

§ 30 BSIg: Risikomanagementmaßnahmen (des **Scopes**)

(6) Besonders wichtige Einrichtungen und wichtige Einrichtung dürfen durch Rechtsverordnung nach § 56 Absatz 3 bestimmte IKT-Produkte, IKT-Dienste und IKT-Prozesse nur verwenden, wenn diese über eine Cybersicherheitszertifizierung gemäß europäischer Schemata nach **Artikel 49 der Verordnung (EU) 2019/881** verfügen.

Certifications by Fortinet, via
trust.fortinet.com



ISO/IEC 15408



ISO/IEC 27001



Use Case Ia: NIS2-EU Durchführungsrechtsakt

Fokus des Use Cases „Network Segmentation (Chapter 6.8)“



6.8.1. The relevant entities shall segment systems into networks or zones in **accordance with the results of the risk assessment** referred to in Chapter 2.1. They shall segment their systems and networks from third parties' systems and networks.

6.8.2. For that purpose, the relevant entities shall:

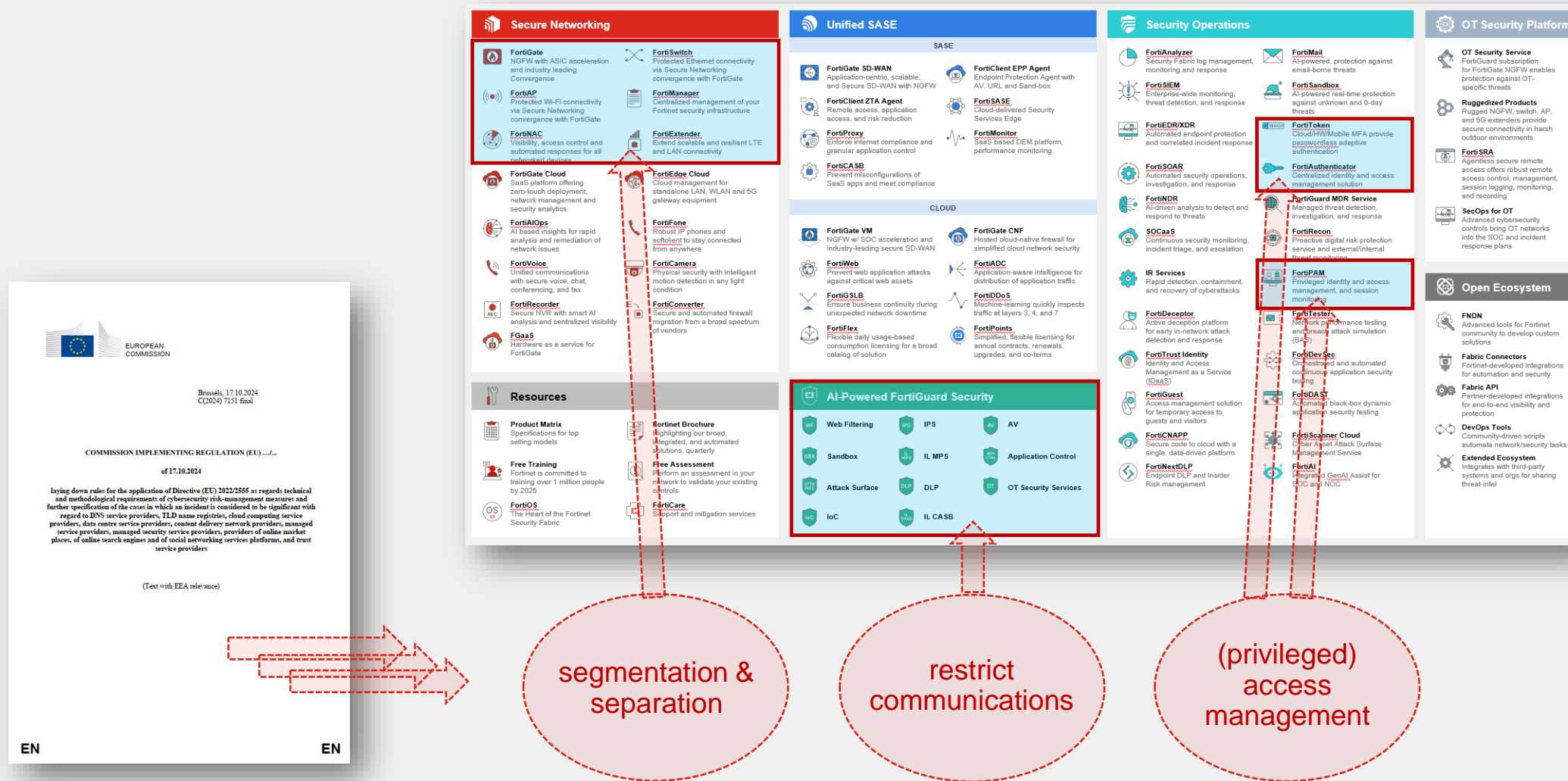
- (a) consider the functional, logical and physical relationship, including location, between trustworthy systems and services;
- (b) grant access to a network or zone based on an assessment of its security requirements;
- (c) **keep systems** that are critical to the relevant entities operation or to safety **in secured zones**;
- (d) **deploy a demilitarized zone** within their communication networks to ensure secure communication originating from or destined to their networks;
- (e) **restrict access and communications between and within zones** to those necessary for the operation of the relevant entities or for safety;
- (f) **separate the dedicated network for administration** of network and information systems from the relevant entities operational network;
- (g) **segregate network administration channels** from other network traffic;
- (h) **separate the production systems** for the relevant entities' **services from systems used in development & testing, including backups**.

6.8.3. ...

Use Case Ia: NIS2-EU Durchführungsrechtsakt

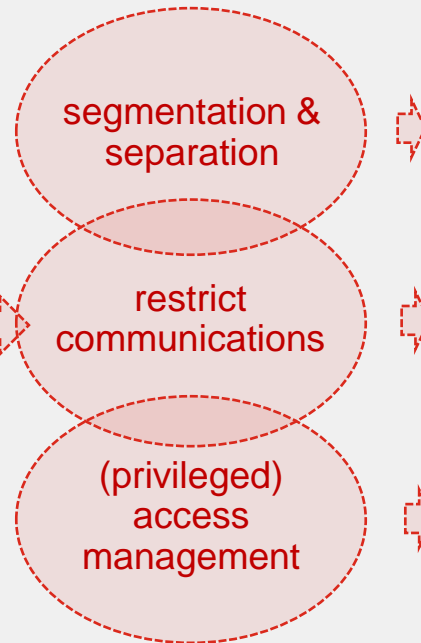
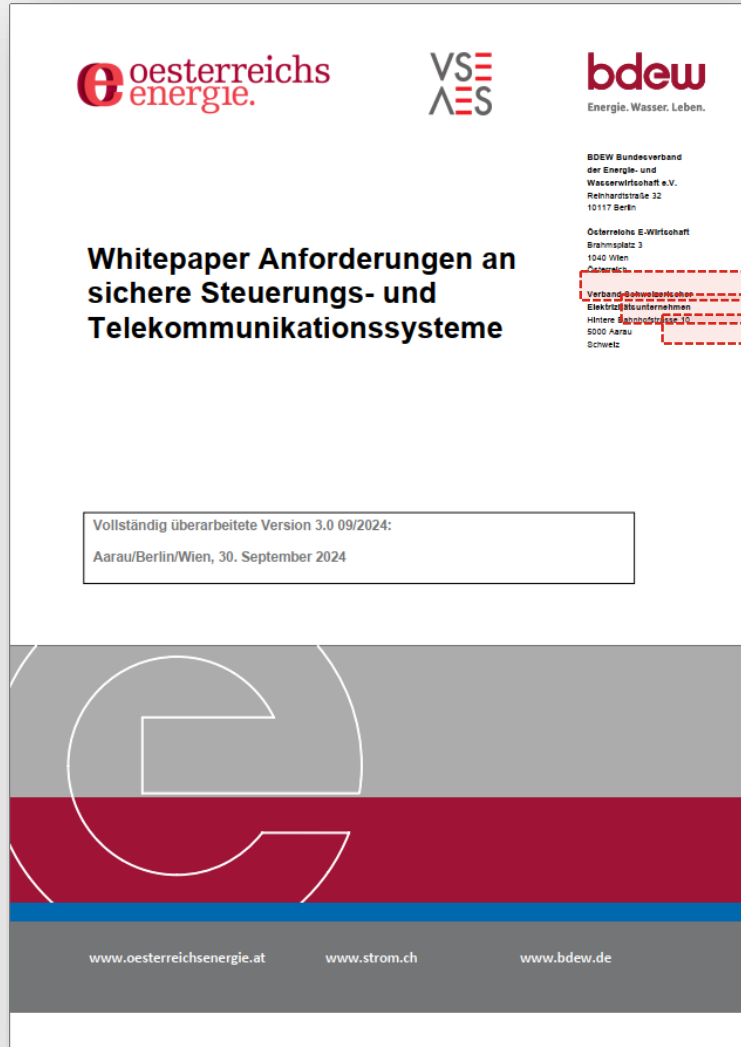


Schritte: Umsetzung „Network Segmentation (Chapter 6.8)“



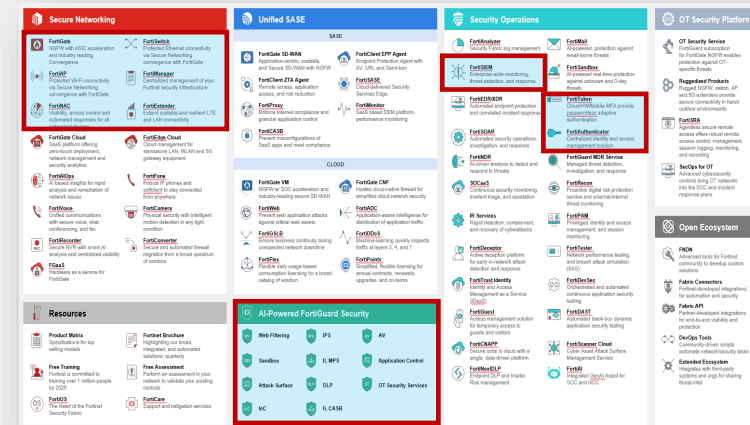
Use Case Ic: Whitepaper BDWE + OE + VSE

Schritte: IT/OT Sicherheitsanforderungen für Prozesssteuerungen in der Energieversorgung



Ausgewählte Sicherheitsanforderungen:

- Definition einer Zonenstruktur durch AG mittels Segmentierung durch Firewalls
- Anbindung von IoT mittels Proxies
- Host & Netzwerk Monitoring mit freigegebenen Tools (Kompatibilitätsmatrix z.B. Siemens)
- Einsatz eines SIEM (Nutzung von Indicators of Compromise - IoC)
- granulare Zugriffskontrolle (2FA, IEEE 802.X oder MAC)



Use Case IIa: NIS2-EU Durchführungsrechtsakt

Produktauswahl bzgl. Umsetzung „Monitoring & Logging“ (Chapter 3)



3.1. Incident handling policy

3.2. Monitoring and logging

3.2.1. The relevant entities shall **lay down procedures and use tools to monitor and log activities on their network and information systems** to detect events that could be considered as incidents and respond accordingly to mitigate the impact.

3.2.2. To the extent feasible, **monitoring shall be automated and carried out either continuously or in periodic intervals**, subject to business capabilities. The relevant entities shall implement their monitoring activities in a way which minimizes false positives and false negatives.

3.2.3. Based on the procedures referred to in point 3.2.1., the relevant entities shall **maintain, document, and review logs**. The relevant entities shall establish a list of assets to be subject to logging based on the results of the risk assessment carried out pursuant to point 2.1. Where appropriate, logs shall include: ...

3.2.4. The **logs shall be regularly reviewed for any unusual or unwanted trends**. Where appropriate, the relevant entities shall lay down appropriate values for alarm thresholds. If the laid down **values for alarm threshold are exceeded, an alarm shall be triggered**, where appropriate, **automatically**. The relevant entities shall ensure that, in case of an alarm, a qualified and appropriate response is initiated in a timely manner.

3.2.5. The relevant entities shall maintain and **back up logs for a predefined period and shall protect them from unauthorized access or changes**.

3.2.6. To the extent feasible, the relevant entities shall ensure that all systems have **synchronized time sources** to be able to correlate logs between systems for event assessment. The relevant entities shall **establish and keep a list of all assets that are being logged and ensure that monitoring and logging systems are redundant**. The availability of the monitoring and logging systems shall be monitored independent of the systems they are monitoring.

3.2.7. The procedures as well as the **list of assets** that are being logged **shall be reviewed and**, where appropriate, **updated at regular intervals and after significant incidents**.

3.3. Event reporting

3.4. Event assessment and classification

3.5. Incident response

3.6. Post-incident reviews



Use Case IIa: NIS2-EU Durchführungsrechtsakt

Produktauswahl bzgl. Umsetzung „Incident Response“ (Chapter 3)



3.1. Incident handling policy

3.2. Monitoring and logging

3.3. Event reporting

3.4. Event assessment and classification

3.5. Incident response

3.5.1. The relevant entities shall **respond to incidents in accordance with documented procedures and in a timely manner.**

3.5.2. The incident **response procedures** shall include the following **stages**:

- (a) **incident containment**, to prevent the consequences of the incident from spreading;
- (b) **eradication**, to prevent the incident from continuing or reappearing,
- (c) **recovery** from the incident, where necessary.

3.5.3. The relevant entities shall establish **communication** plans and procedures:

- (a) **with** the **CSIRTs** or, where applicable, the competent authorities, related to incident notification;
- (b) for communication **among staff members** of the relevant entity, and ... **with relevant stakeholders** external to the relevant entity.

3.5.4. The relevant entities shall **log incident response activities** in accordance with the procedures referred to in point 3.2.1., and record evidence.

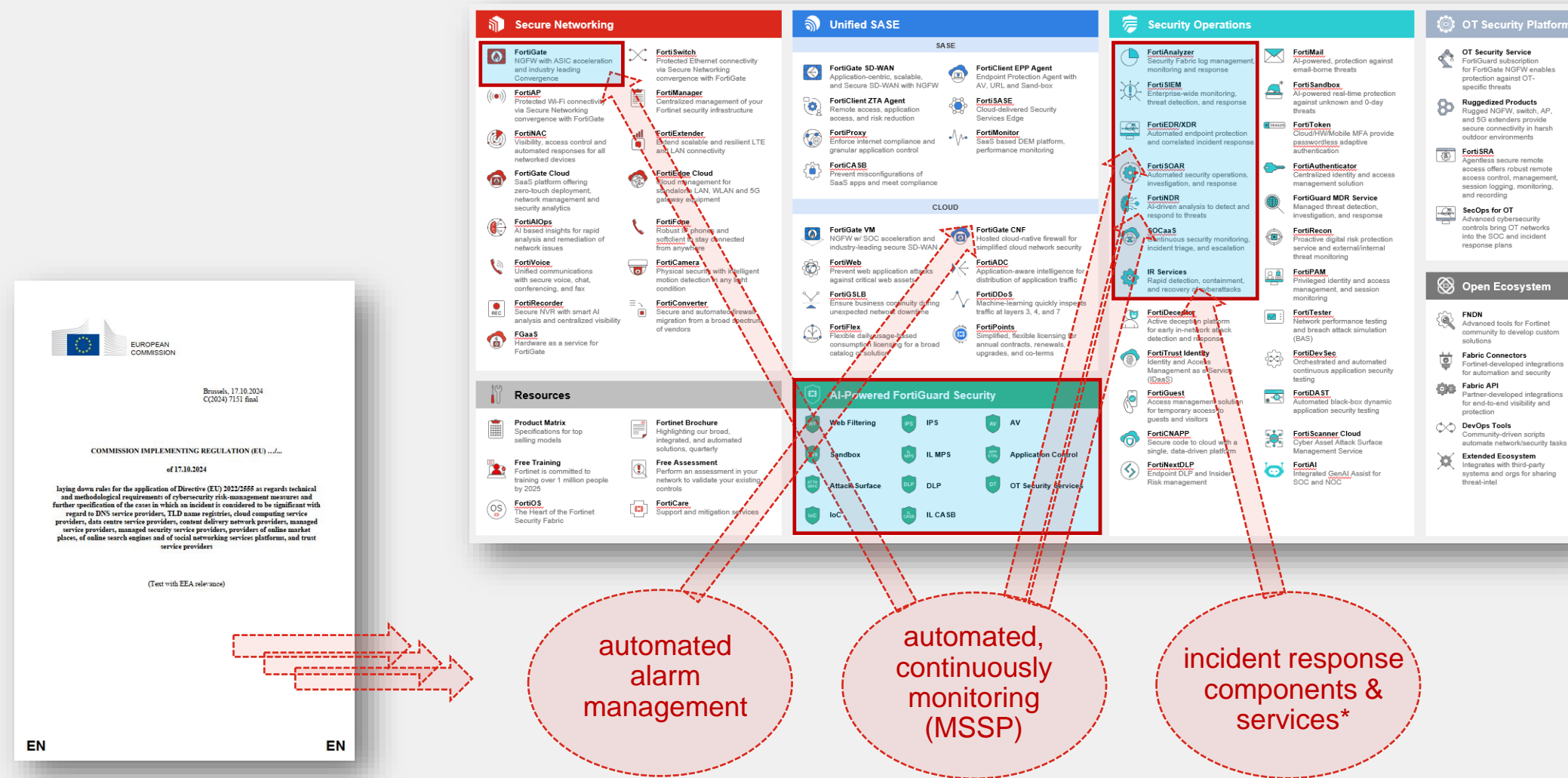
3.5.5. The relevant entities shall test at planned intervals their incident response procedures.

3.6. Post-incident reviews

Use Case II: NIS2-EU Durchführungsrechtsakt



Produktauswahl bzgl. Umsetzung „Incident handling (Chapter 3)“





Solution: FortiSOAR

A leader in the KuppingerCole
2023 SOAR Leadership Compass



incident response
components &
services*

Connect anything – automate everything

500+ integrations, 800+ playbooks for SOC/NOC/OT

Security incident management

Automated features from investigation through response

Threat Intelligence management

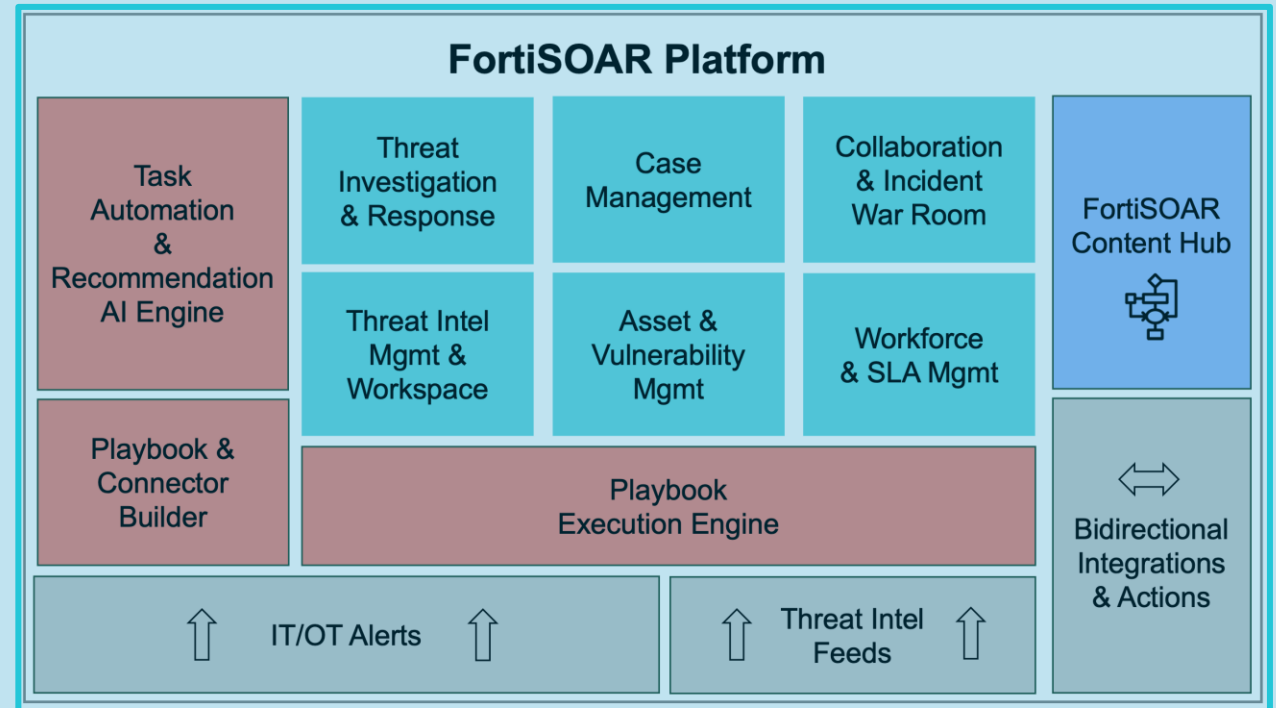
Powered by FortiGuard Labs and any source

Automated & intelligent analyst support

AI Assistant and Recommendation Engine drive results

No/low-code playbook creation

Patented development modes for any user & workflow



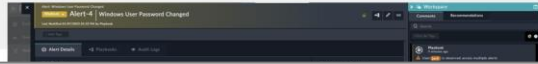
*Centralize, automate, and optimize
SOC, NOC, enterprise/MSSP operations*



AI-based SOAR features

Generative AI assistant for investigation, response, playbook building, and more

Incident Management



Threat Intelligence Management

Playbook Creation

Vulnerability Management

Asset Visibility & Risk Management

View and track IT/OT asset inventory and complete asset security status
Enrich and prioritize threat investigation activities

- Asset criticality and risk-based alert & vulnerability views
- Flexible view alignments including OT Purdue model
- Asset mgmt system 2-way integrations

Dashboard displays include:

- Asset criticality, alert & vulnerability status
- Alerts by asset, by zone, by asset class
- MITRE IT/OT ATT&CK views



Compliance Automation

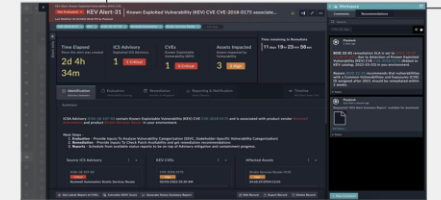
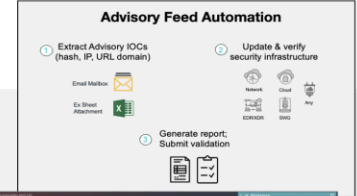
Automate processing of advisory feeds
Complete Solution Packs for specific regulations:
NIST, GDPR, CISA BOD 22-01, ...

Advisory Feed Automation

- Process communication & extract IOCs (email, spreadsheet, other)
- Execute proper updates across infrastructure
- Generate compliance report

Regulatory Compliance

- Solution Packs for importing required intel feeds, specific action playbooks, tracking dashboards, reports and more

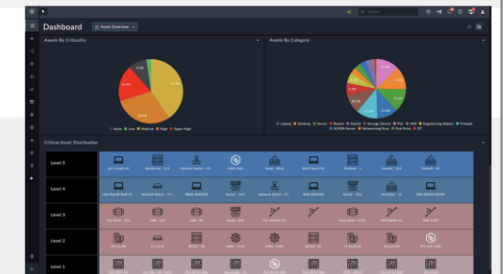


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FortiSOAR for OT

Monitor OT assets and risk levels
Respond immediately to OT alerts
Protect OT assets from outside attack

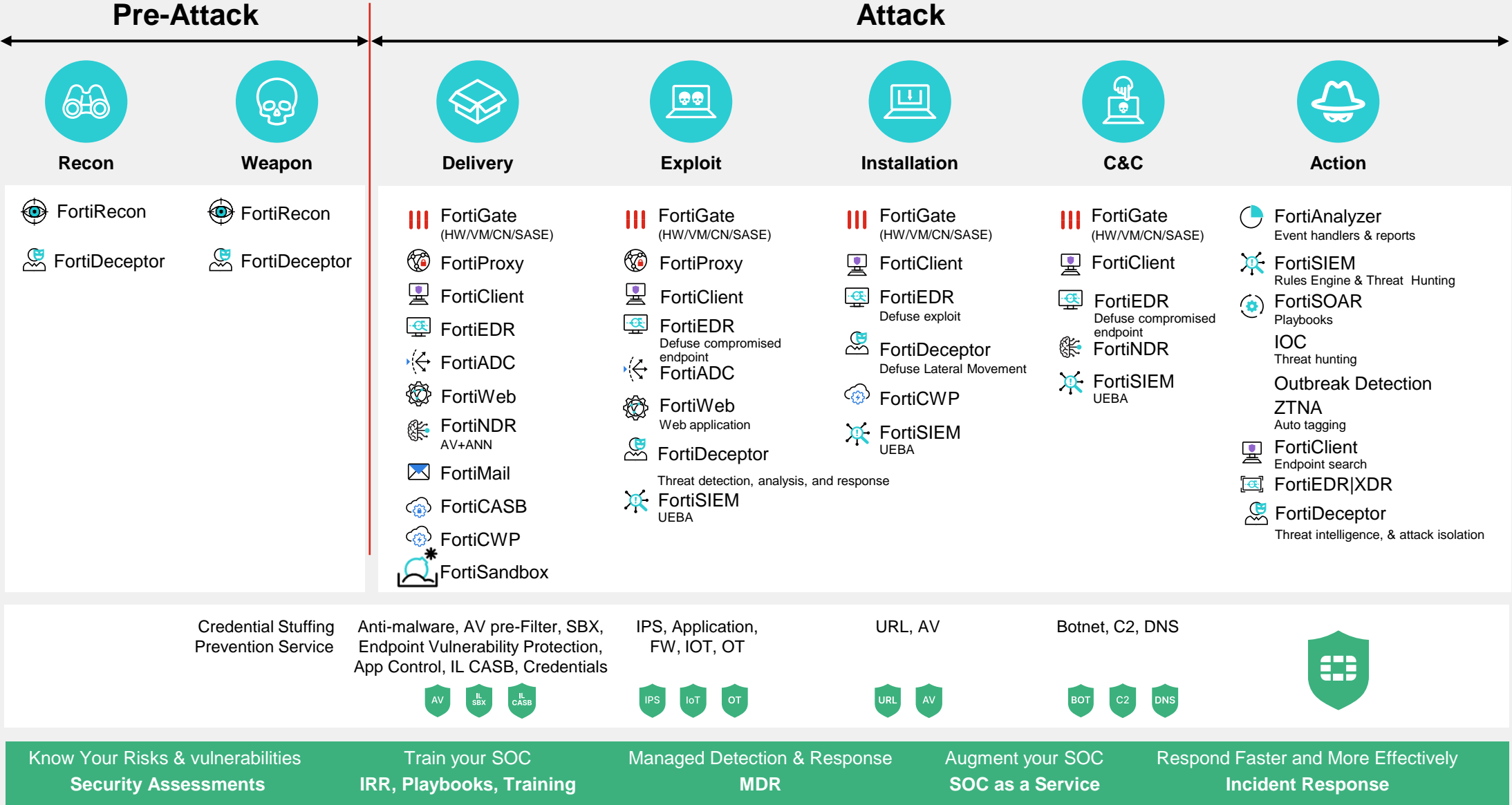
- Integrated OT security & ecosystem products
- OT threat intel feeds and management
- Unified IT/OT workflows with MITRE ATT&CK ICS mapping
- Complete asset & risk views w/Purdue Model
- OT-specific remediation playbooks



Integrations across multi-vendor IT/OT security products and OT specialty solutions



How to Break the Attack Sequence



Convergence of Networking & Security Delivers Total Protection

Evolving Enterprise

Complexity

Managing multiple vendors & configurations with complicated integrations.

Inconsistent Security

With separate tools, monitoring, logging, and threat detection are disjointed.

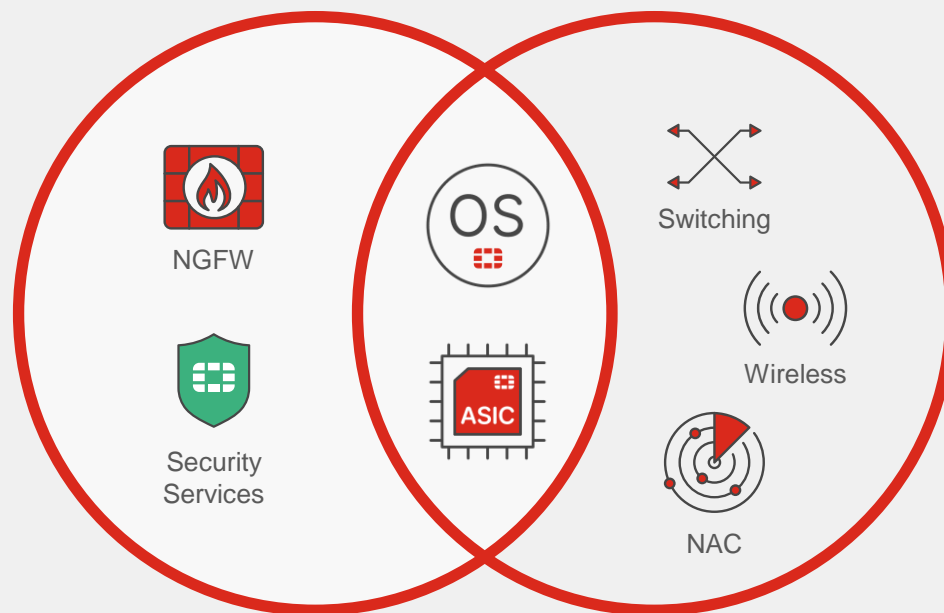
High TCO

Multiple vendors with separate licenses, hardware, and support costs.

Lack of User Experience

Network performance is degraded as security features are added.

Convergence



High ROI & Low TCO



PLATFORM

Consolidate

Single OS eliminate silo products and complexity

Integrated

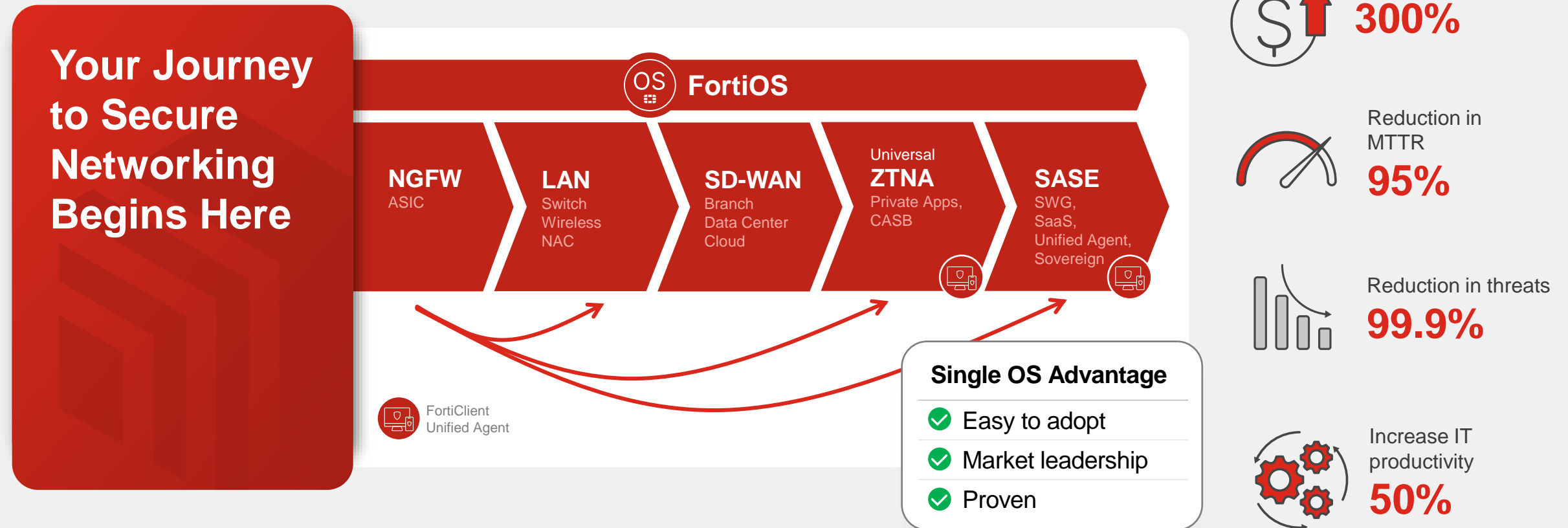
AI-powered Consistent security across all edges

Automation

Faster time to prevention and efficient operations

The Fortinet Journey: A Seamless Security Evolution

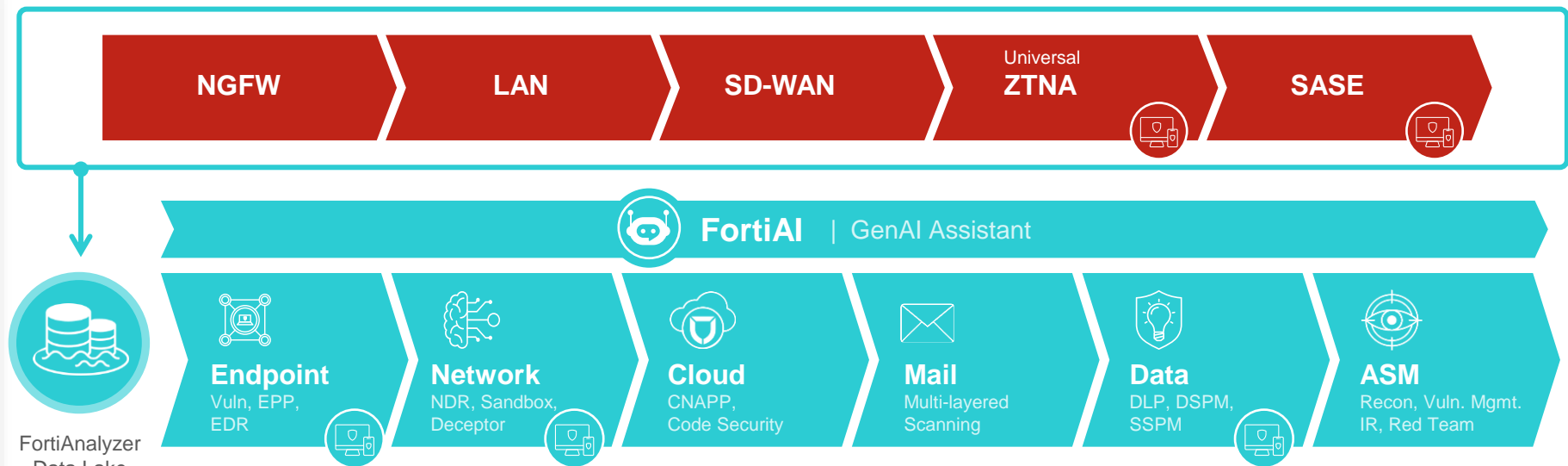
With FortiGate NGFW, customers gain industry-leading protection and can seamlessly activate SD-WAN for optimized performance and extend to SASE for secure remote access.



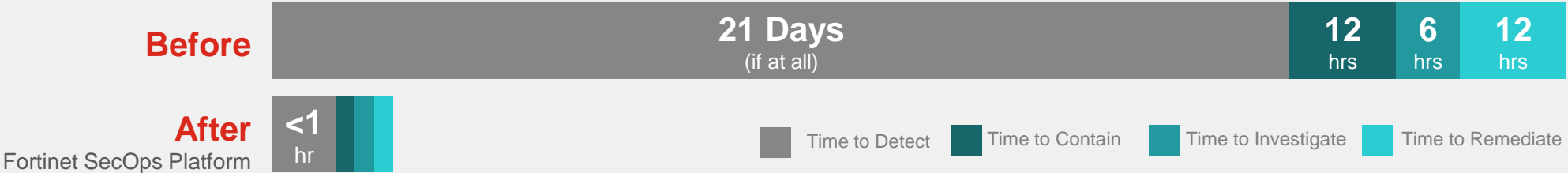
Transforming SOC Capabilities for AI-Driven Cyber Defense

Centralizing security and networking data to enhance visibility, orchestration, and automation

Transform
Insights into
Outcomes with
the Fortinet
Security
Fabric

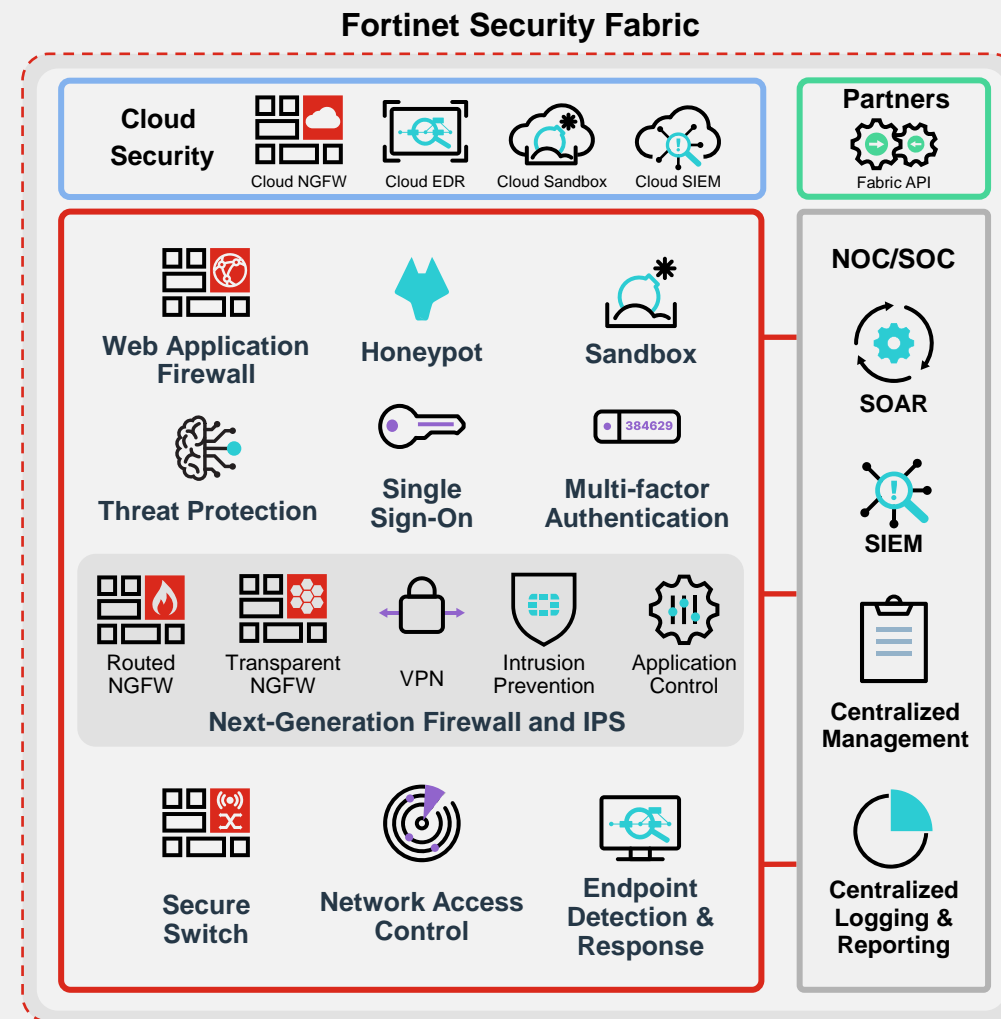
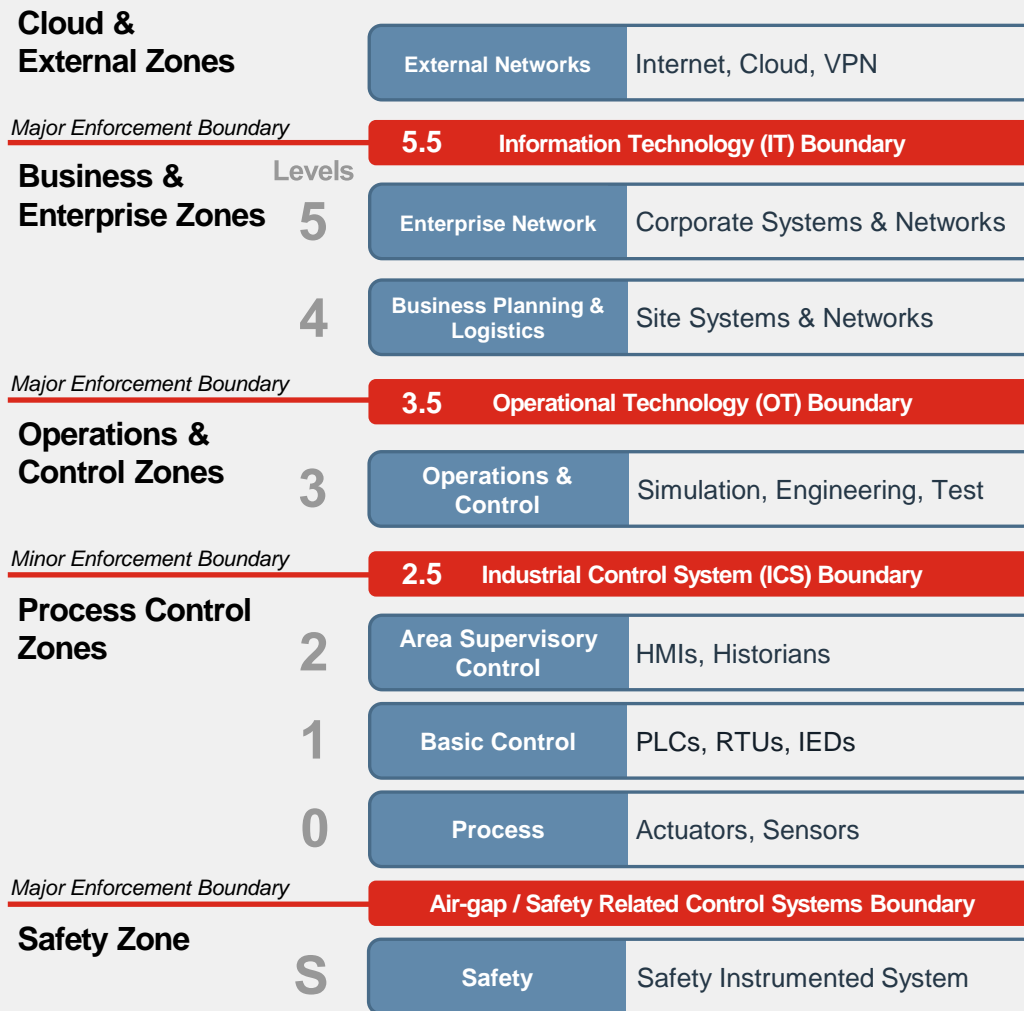


Speed the time to fully investigate and remediate incidents from 18.5 hours to an average of 10 minutes.



Fortinet Securing the IT & OT

Network Segmentation
Network Microsegmentation
Network Access Control
Web Services Security
Secure Remote Access
Threat Protection
Application Control
Endpoint Security
Honeypot
Sandbox
NOC/SOC



Boundary: Demilitarized Zone (DMZ), Security Conduit

Zones: Security Zones

IPS: Intrusion Prevention System

SIEM: Security Information and Event Management

SOAR: Security Orchestration, Automation and Response



The image features the Fortinet logo centered on a black background. The logo consists of the word "FORTINET" in a bold, white, sans-serif font. The letter "O" is replaced by a red icon composed of a 3x3 grid of squares, with the center square missing. The background is decorated with several abstract geometric elements: a solid red horizontal bar in the top left; a 3x3 grid of dark gray squares in the top right, with the top-left square being a semi-circle and a red horizontal bar positioned between the top and middle rows; a solid red horizontal bar in the bottom left; a 4x6 grid of small white dots in the bottom right; and a dark gray rectangle in the bottom right corner, partially overlaid by a vertical gray bar.

FORTINET