

IT&OT Security Convergence

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How OT Security is Different than IT Security



Safety and Reliability of critical systems that operate 24/7/365 and involve processes with significant safety risks.



Heterogeneous/Legacy Systems Industrial networks include diverse assets, and often consist of multiple connected architectures.

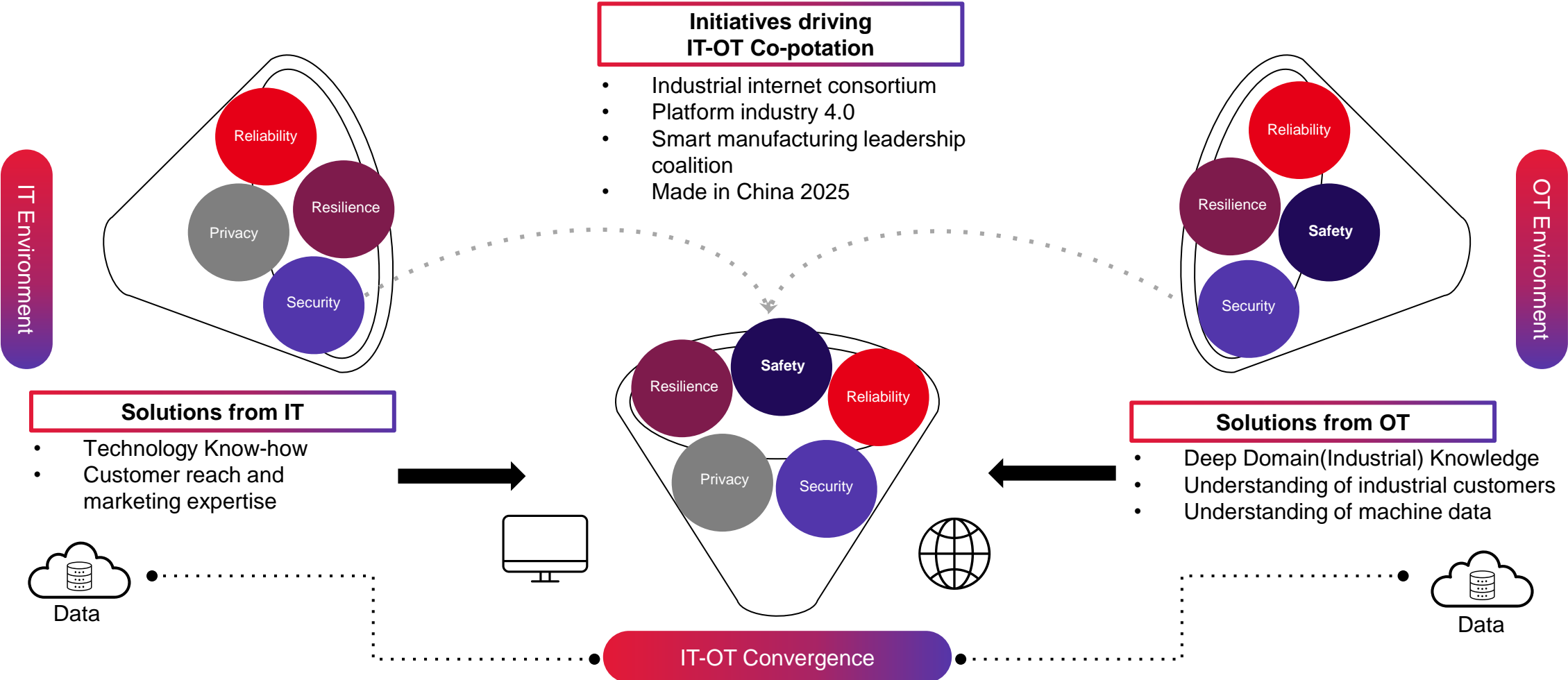


Industrial Protocols are often unknown in the IT world, and that are inherently insecure.

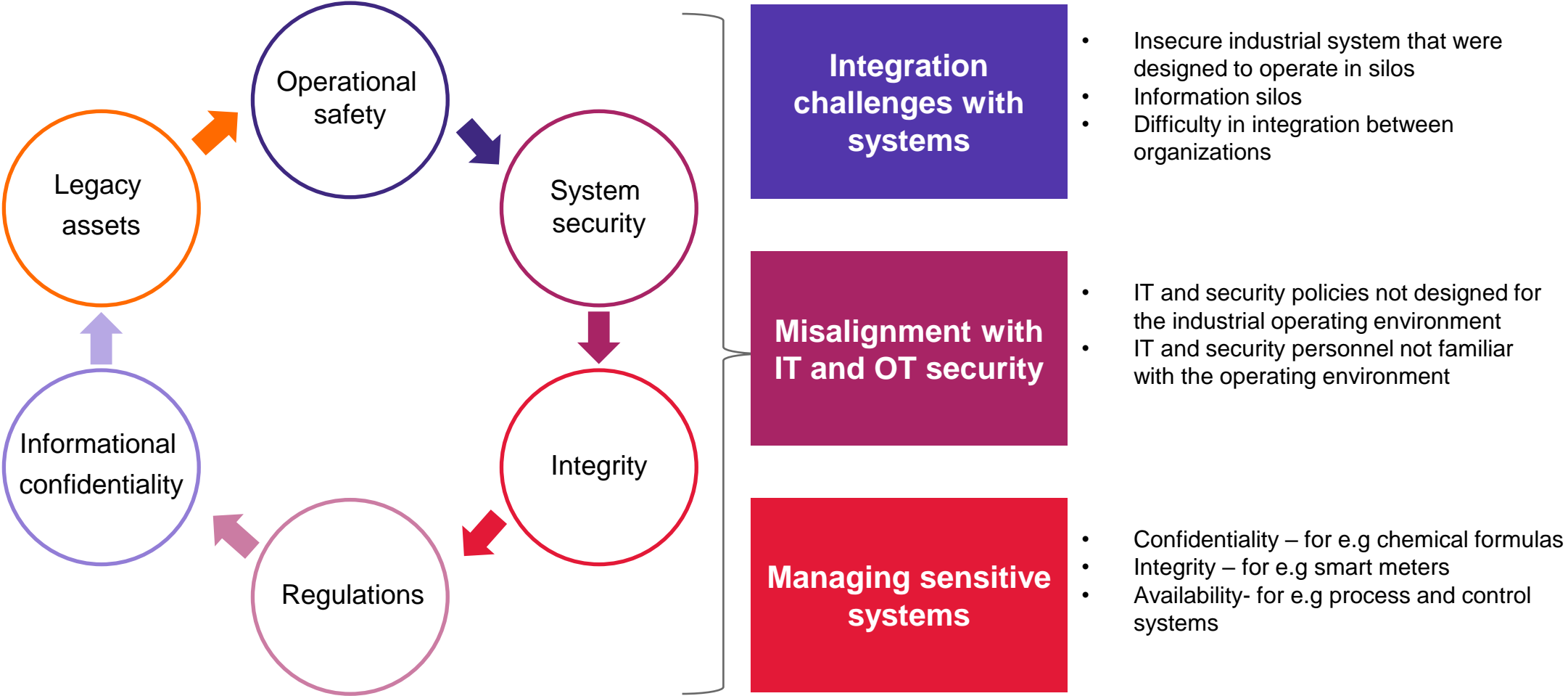


Volume of IoT/OT Devices will grow to billions worldwide vs millions in IT.

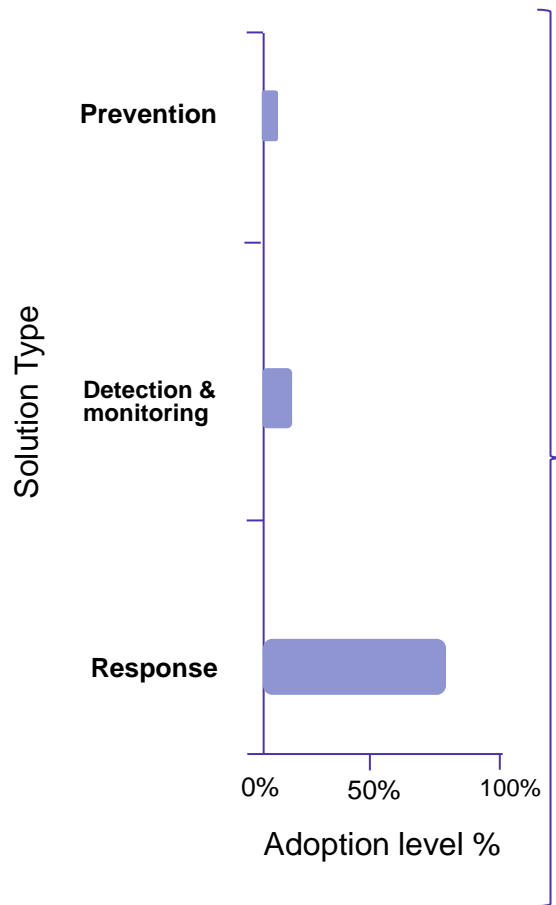
Convergence of IT-OT



Security Challenges in ICS



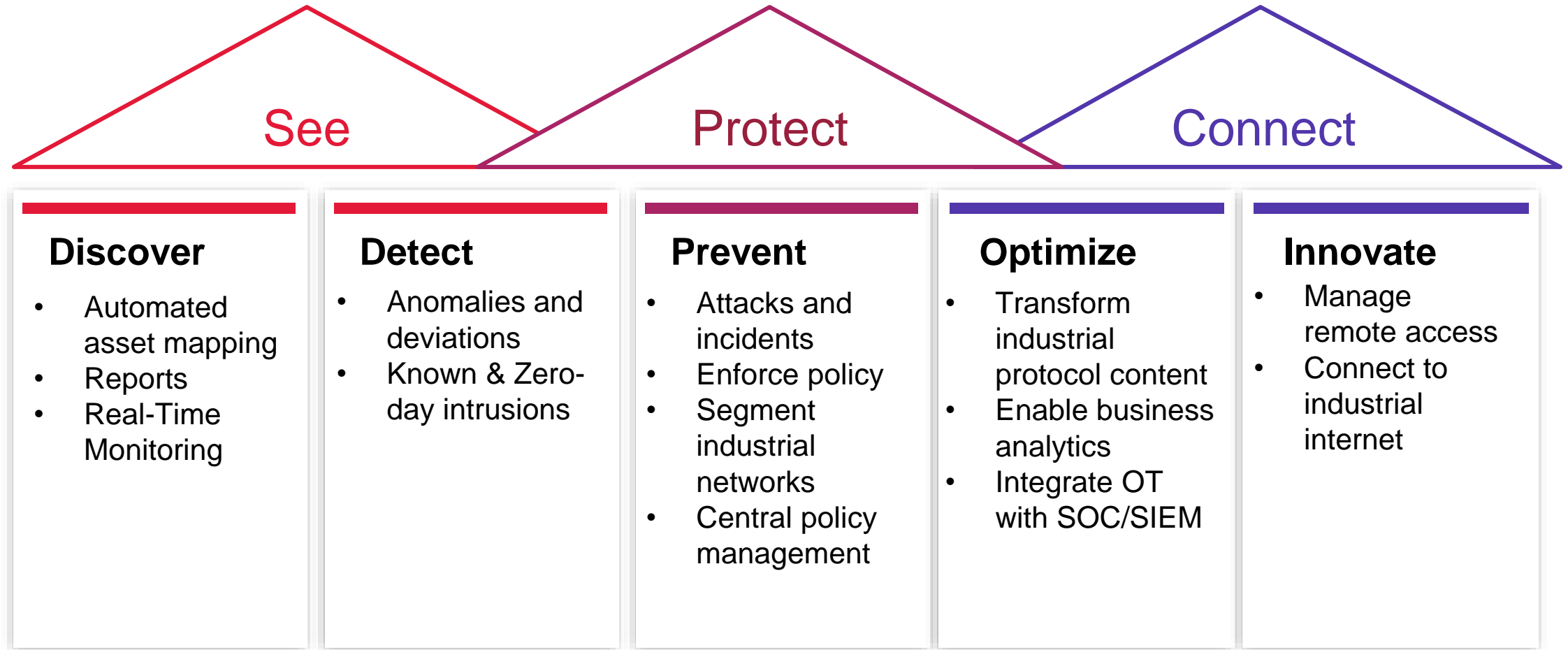
Current state of ICS security



Security systems	State of automation systems	Adoption Level
Patch Management	ICS software incompatibilities and resources not easily available	Medium Adoption
Cyber security testing and audit	Testing expected to be thorough and specific to the control systems	Low Adoption
Security breach response and forensics	Critical response time	Medium Adoption
Security compliance and regulations	Industry specific guidance in some sectors	Low Adoption
Physical security	Fairly strong	Medium Adoption
Security development	Not an integral part of the system architecture	Medium Adoption
Antivirus solutions	Not common in control systems	Low Adoption
Firewall security	Often used as a protection device for the entire system	High Adoption

■ Low Adoption
 ■ Medium Adoption
 ■ High Adoption

Cybersecurity solving issues in Critical infrastructure



Insights you can act on

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