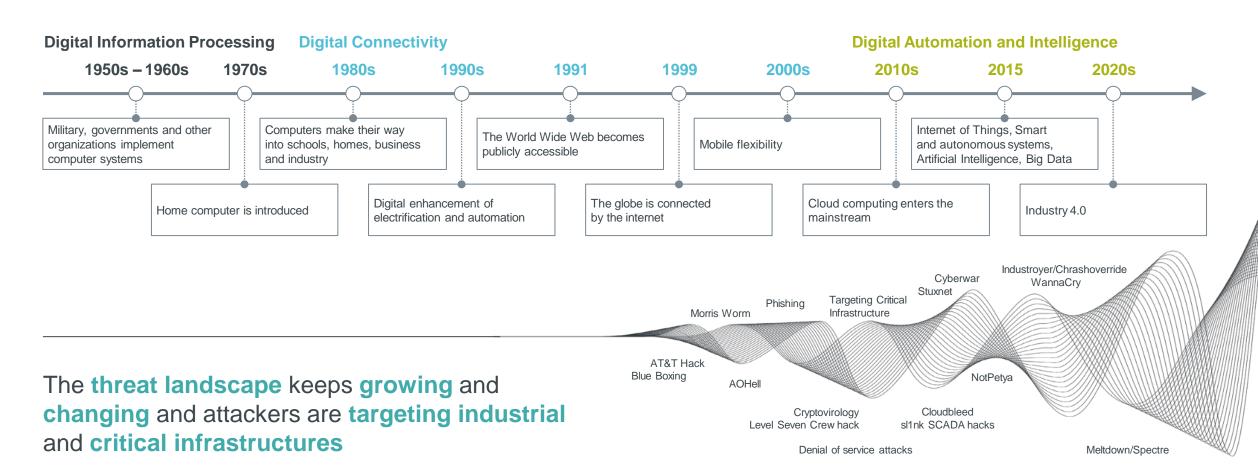


Evolution of the cyber threat landscape





Challenges are similar but reality is very different in IT and Industrial (OT) Security



IT Security

Confidentiality



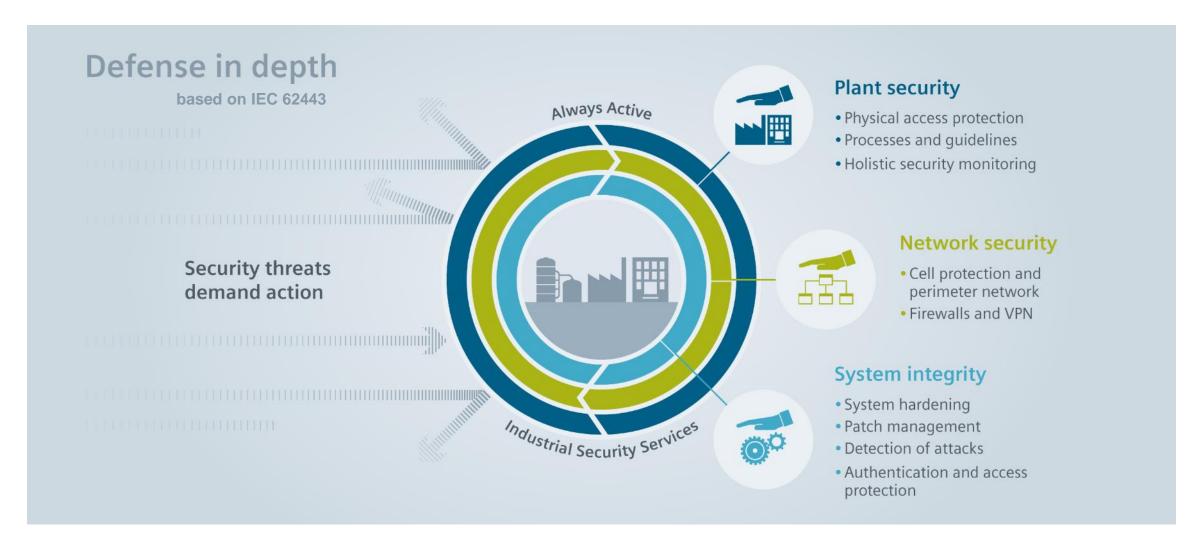
Industrial Security

Availability and Safety

3-5 years	Asset lifecycle	20-40 years
Forced migration (e.g. PCs, smart phone)	Software lifecycle	Usage as long as spare parts available
High (> 10 "agents" on office PCs)	Options to add security SW	Low (old systems w/o "free" performance)
Low (mainly Windows 10)	Heterogeneity	High (from Windows 95 up to 10)
Standards based (agents & forced patching)	Main protection concept	Case and risk based

Industrial Security concept Defense in depth – based on IEC 62443

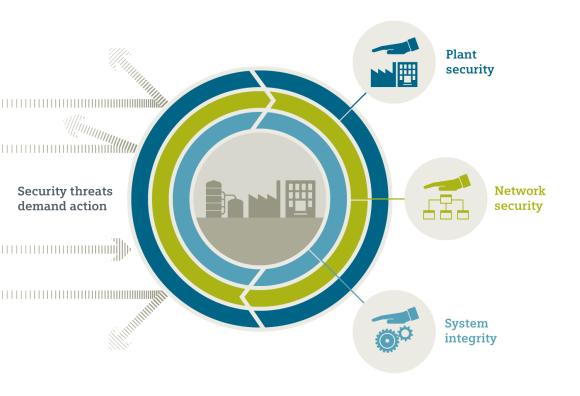




Industrial Security concept

SIEMENS Ingenuity for life

The security concept – "Defense in depth"



Products and systems offer integrated security









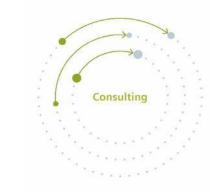
Know-how and copy protection

Authentication and user management

Firewall and VPN

System hardening, continuous monitoring and anomaly detection

Siemens Industrial Security Services





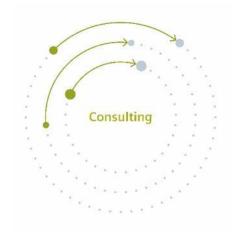


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Page 5 Digital Enterprise Services

Industrial Security Services End-to-end approach









Security Consulting (Planning)

Evaluation of the current security status of an industrial environment

- Security Assessments
- Scanning Services
- Industrial Security Consulting

Security Implementation

Risk mitigation through implementation of security measures

- Security Awareness Training
- Automation Firewall
- Endpoint Protection

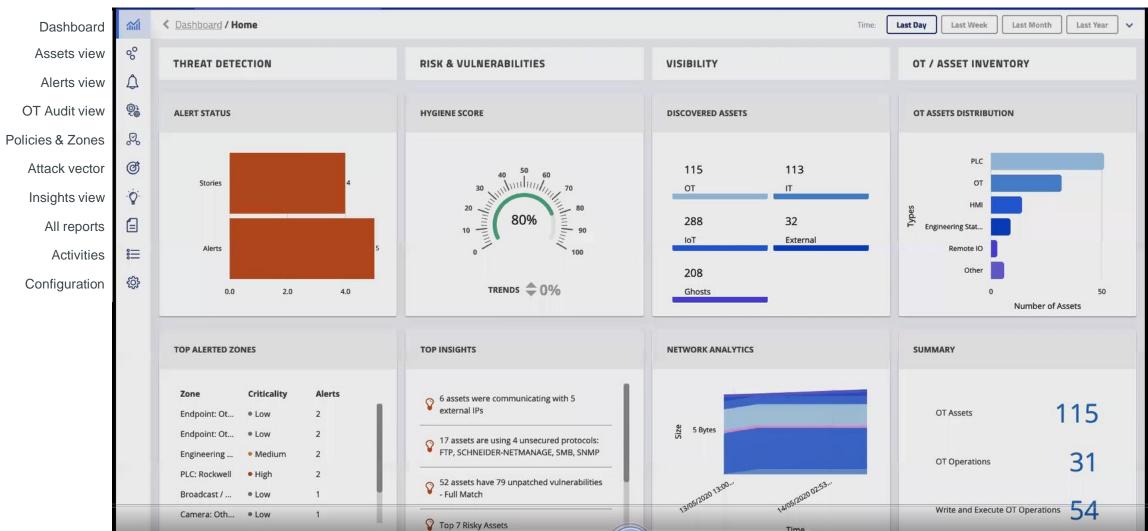
Security Optimization (Monitoring)

Comprehensive security through managed services

- Industrial Anomaly Detection
- Industrial Security Monitoring
- Remote Incident Handling
- Industrial Vulnerability Manager
- Patch Management

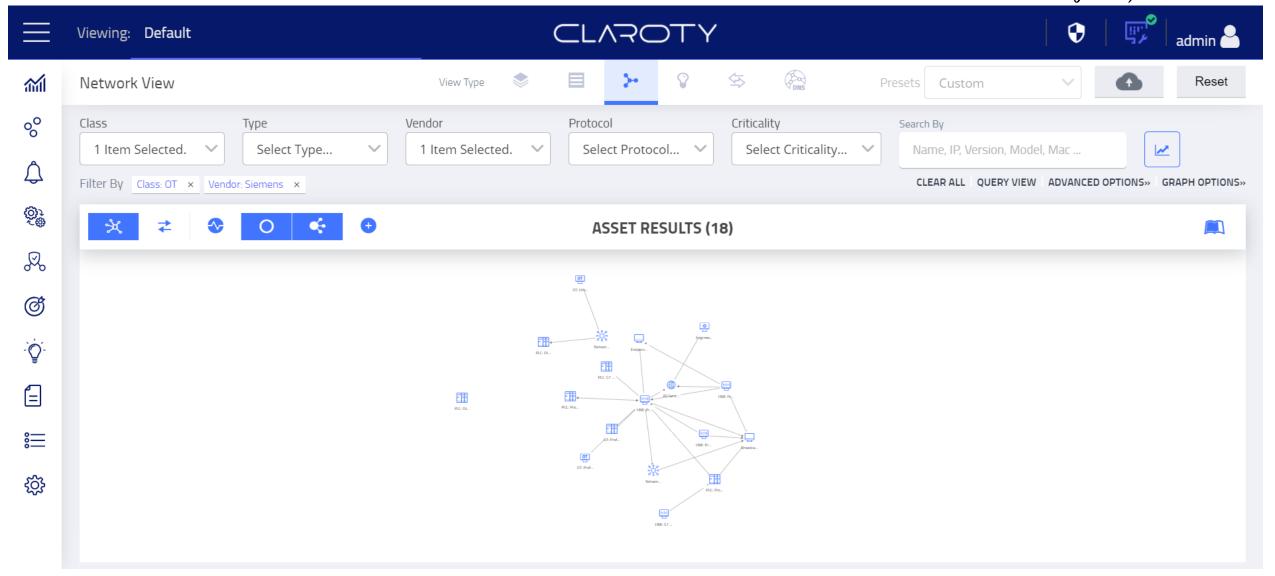
Industrial Anomaly Detection Dashboard





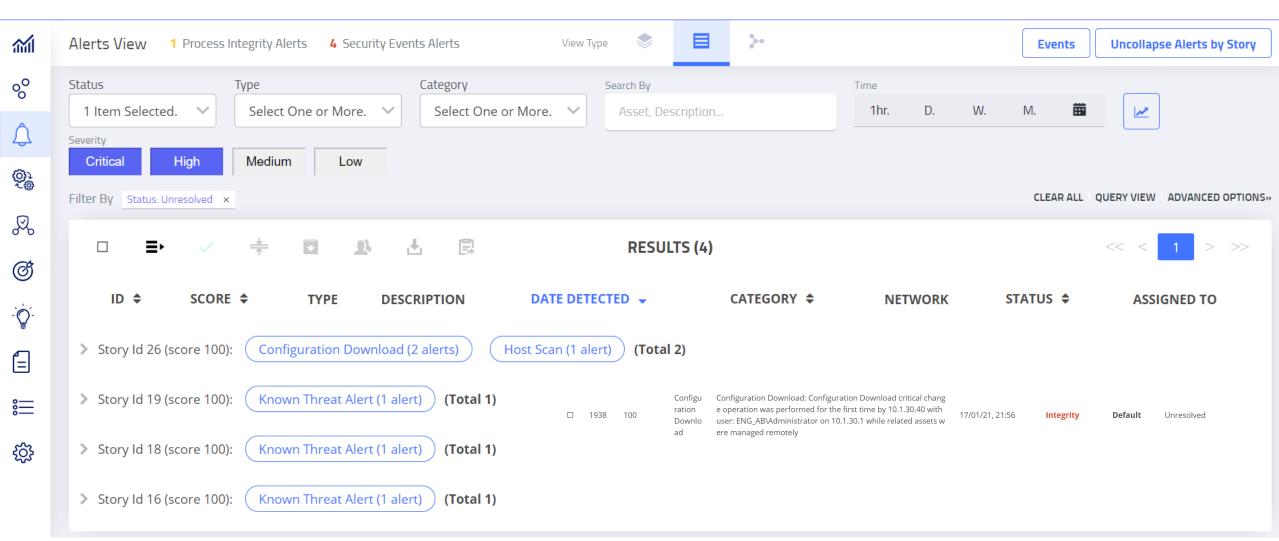
Industrial Anomaly Detection Assets view / Network Graph





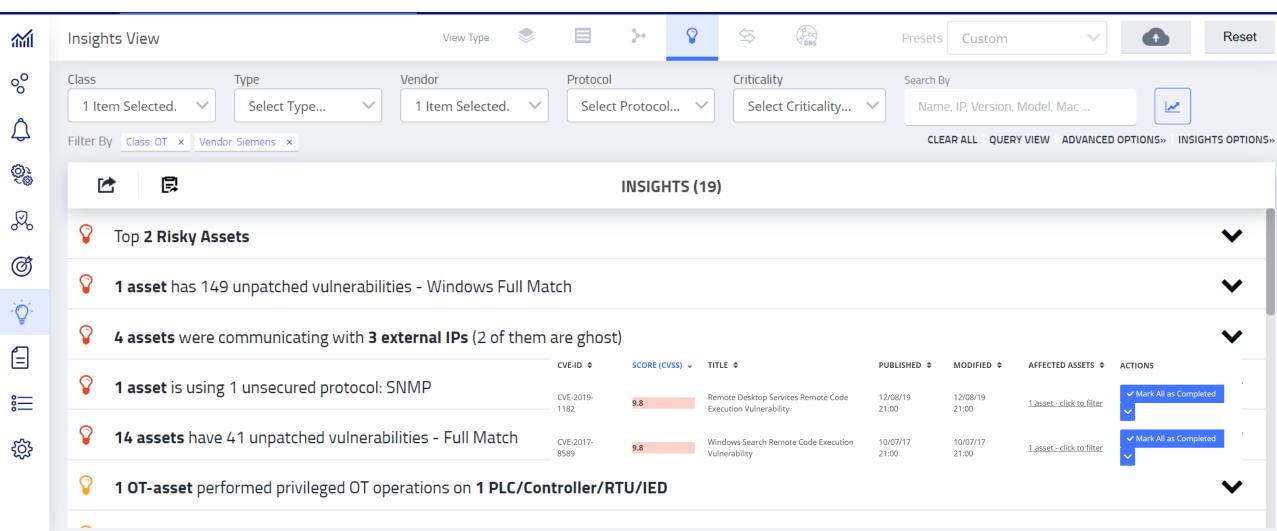
Industrial Anomaly Detection Alerts view





Industrial Anomaly Detection Insights view





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