

Our Speakers



Admiral (Ret.) Michael S. Rogers
Chairman, Board of Advisor
CLAROTY



Grant Geyer
Chief Product and Strategy Officer
CLAROTY

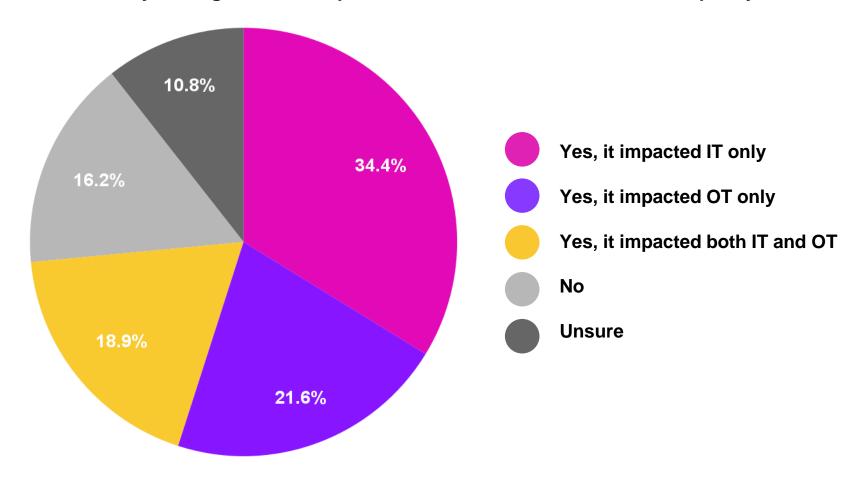


Andrew Nix
Operational Cybersecurity Solutions
& Services Manager - America
Schneider

By the Numbers: The State of Water & Wastewater Cybersecurity

Sector Snapshot of Claroty's Global State of Industrial Cybersecurity Survey Report

Has your organization experienced a ransomware attack in the past year?



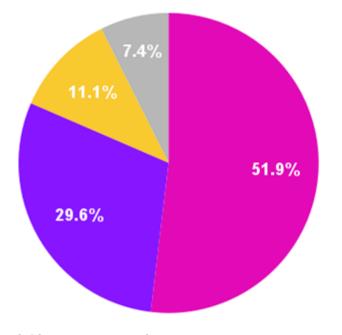




By the Numbers: The State of Water & Wastewater Cybersecurity

Sector Snapshot of Claroty's Global State of Industrial Cybersecurity Survey Report

What was the scope of impact on operations?



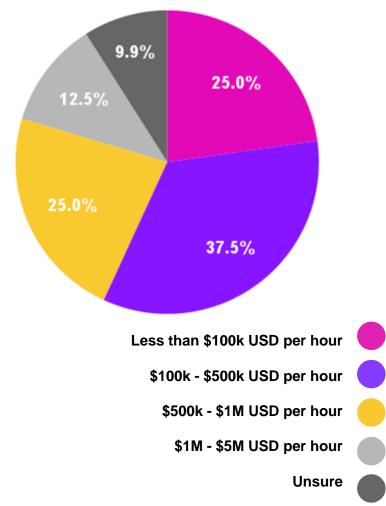








What does downtime cost your organization?

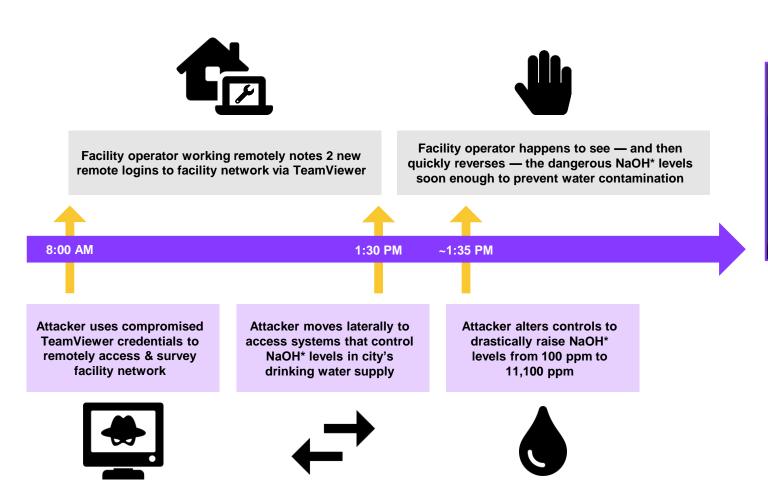






Anatomy of the Attack: Oldsmar Water Treatment Facility

Feb. 21' compromise underscores critical implications of sector's OT risk blind spots









Government & Regulatory: Sector Attacks Elicit Robust Response

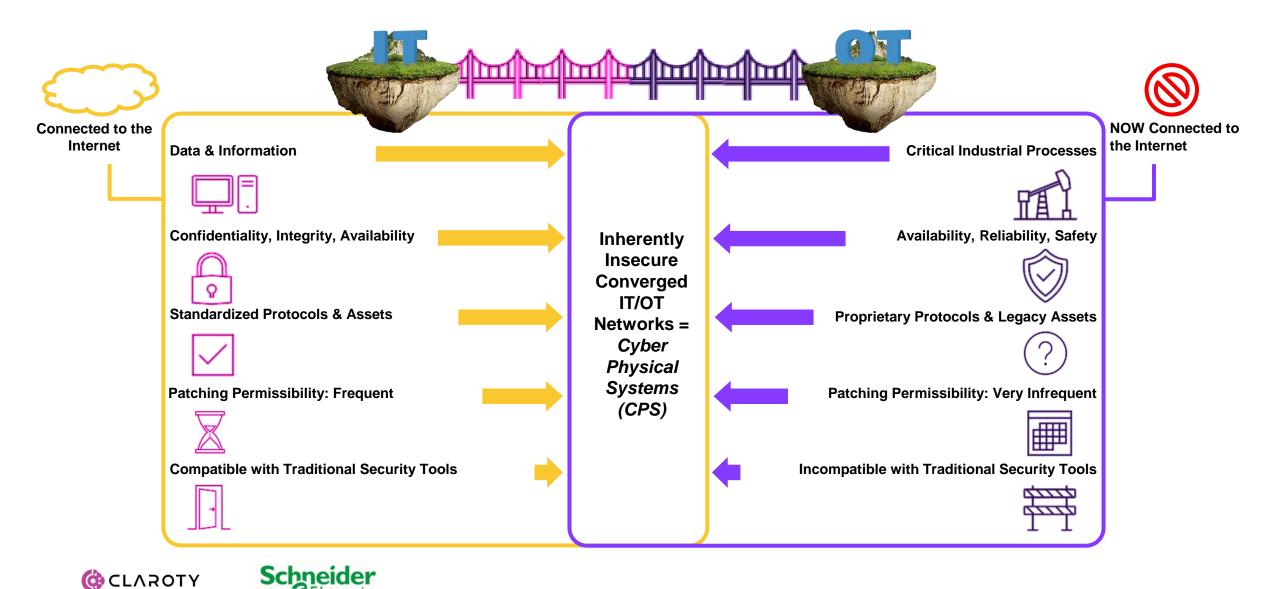
U.S. EPA, NIST, CISA, and others take action following Oldsmar







The Present: Cyber-Physical Systems Facing Escalating Risks



Recommendations

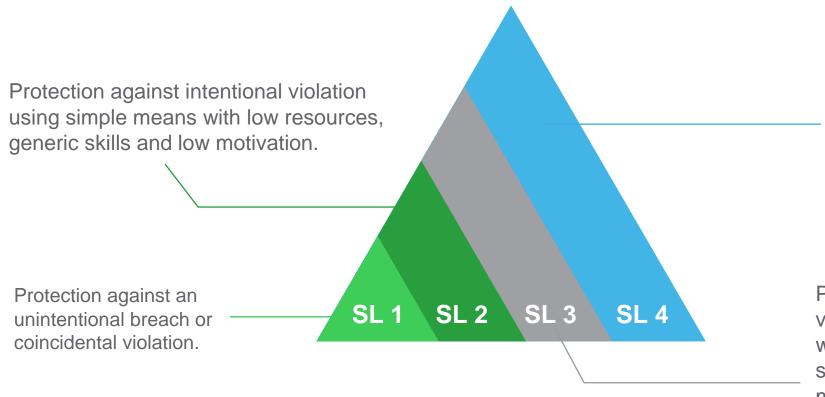




Using Your Standards: IEC 62443 Security Levels

A framework for addressing OT cybersecurity

IEC62443-2-4



Protection against intentional violation using sophisticated means with extended resources, systemspecific skills, and high motivation. Nation-State / National Actors.

Protection against intentional violation using sophisticated means with moderate resources, systemspecific skills, and moderate motivation. Professional Hackers.

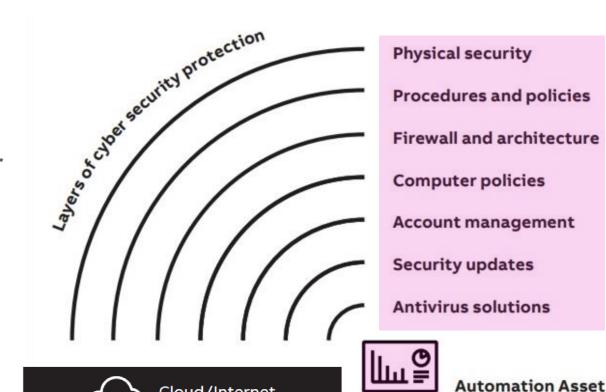
Water Organizations **MUST** aim for Security Level 4.





How Do I Defend Myself and My Organization?

- Conduct Regular Cybersecurity Assessments
- Segment your OT network from your IT network using a "Demilitarized Zone" (DMZ)
- Backup your Data (Automatically) and secure your backups!
- Organize your assets into "zones"
- Store any supercritical configurations, source codes, etc.
- Just like a fire drill, practice your cyber response plan.
- Training, training! (Job Specific)
- Use **at least one** tool from each "Cybersecurity Pillar," and *keep them up to date.*









Pathway to Cyber Confidence



Utilize your standards:

IEC 62443, AWWA cyber risk tool provides high-level guidance and goals



Train and enforce a cybersecure culture:

Go beyond the mandated minimum - role-based cybersecurity workshops



Follow the seven cybersecurity fundamentals for WWW:

- Perform asset inventories
- Assess risks
- Minimize control system exposure
- Enforce user access controls (UAC)
- Safeguard from unauthorized physical access
- Install independent cyber-physical safety systems
- Embrace vulnerability management



It's okay to ask for help:

Seek insights and support from vendors and managed security services







Success Story

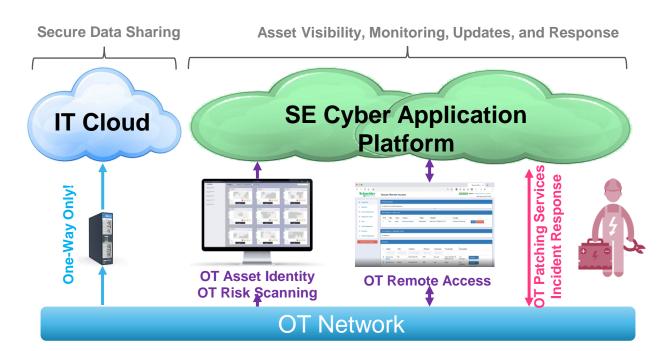
Whether big or small, it's okay to need cyber help!

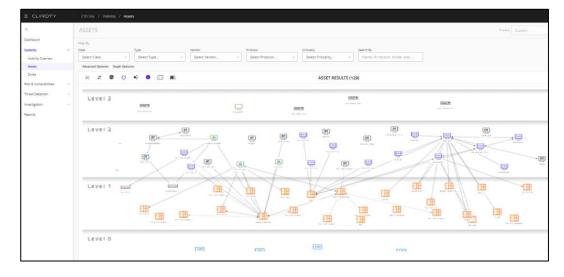
Small Water / Waste Water Entity

- The CHALLENGE: How to secure Company's mixed vendor OT environment?
 - Yokogawa PLCs and GE controllers
 - Both Yokogawa and GE have their own Cyber consulting teams, however, only touch their own equipment
 - Cisco is the corporate standard for networking equipment
 - Interested in Anomaly detection, but don't know much about it

Solutions Provided:

- Assessment identified high priority needs
- Engineering Svcs, Software, and ongoing Maintenance
- Global deployment of Continuous Threat Detection platform, Advanced Analysis Services









The Claroty-Schneider Electric Difference for WWW









Be OT Cyber Safe

The Claroty Platform

Automated discovery & complete visibility into all WWW assets

Secure remote access to WWW infrastructure

Full protection & cybersecurity monitoring for WWW infrastructure

Smart Water Digital Platform

OT Cybersecurity
Services

End-to-end management of all WWW assets

Remote & optimized WWW operations

Digital transformation of industrial automation & energy management

Optimize WWW assets & visibility across the lifecycle

Minimize cybersecurity risks

Develop Resource Singularity





If you need help with your organization's Cybersecurity strategy, Let us know!

A&P







