Security for the Utility Grid \$3.5 Billion 300% 41% Of ICS computers attacked at least once in 1H2019₂ Common Roadblocks and Solutions A Inability to see all of my devices on the ICS network Utilize Cisco Cyber Vision to identify assets, vulnerabilities, communication patterns, and detect process anomalies A Cyber/OT-security and regulatory compliance Deploy an end-to-end/port-to-port OT and cybersecurity approach through the entire grid Perimeter security and application control not implemented Behaviors and threats not visible Employ Cisco Secure Firewall ISA3000 to build a perimeter defense to detect and protect against intrusions and malicious or unintended commands ⚠ On-premises and remote user access and activities are unmanaged ✓ Automate and enforce access control with Cisco ISE to provide identity services by user, device, and location △ Delayed fault location, isolation, and service restoration △ Time lapse between breach detection and threat mitigation Monitor real-time network flow, detect traffic anomalies, and predict malware propagation with Cisco Secure Network Analytics (Stealthwatch) A Build grid resilience and efficiency ✓ Deploy IEC 61850 over WAN network, segmentation of SCADA teleprotection, voice and video surveillance Cisco Grid Security Solutions will: your grid network Enable visibility into industrial control systems (ICS) to develop baselines for devices, applications, and traffic profiles

- Secure touchpoints where people and their devices securely interact with the industrial control systems (ICS)
- Prepare for the inevitable shift of operational technology (OT) components moving to the cloud
- Align with industry security compliance standards such as NERC|CIP, and EU NIS

For more information

Contact your Cisco representative or learn more online at:

Get Your IT/OT Security Profile:

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