SIA EDUCATION at ISC

Two Worlds Colliding: How to Prevent Cyber-Physical Attacks

THE BRIDGE

In partnership with
SIA EDUCATION at ISC

Built by
RX In the business of building businesses

Meet the Panelists

Deb Radcliff

Author and Cybercrime Journalist

Marc Sachs

SVP and Chief Engineer, Center for Internet Security

Renee Guttman

Former Fortune 50 CISO and Founder CisoHive

Jasvir Gill

Founder and CEO, AlertEnterprise

In partnership with
SIA EDUCATION at iSC

Built by
RX
In the business of building businesses

Agenda

- Why should I care about the convergence of cyber-physical attacks?

- What can be done? How to prevent & respond to cyber physical attacks

- Actionable takeaways to understand to equip your security postures

In partnership with
SIA EDUCATION at ISC

Built by
RX In the business of building businesses

Why Should I Care?

- RISKS in an increasingly connected infrastructure

- Examples of cyber-physical attacks

- Regulations, standards, and bans

Cyber-Physical Attack
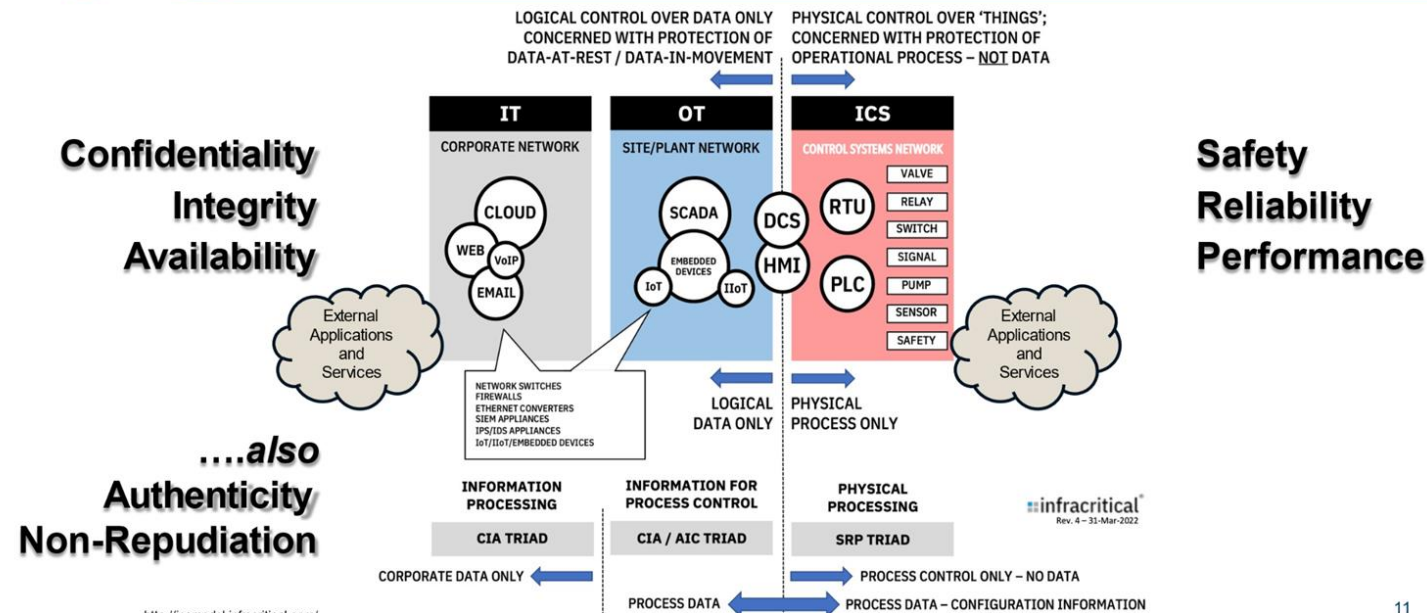# Responders: Guns and Badges + Cyber

What Can Be Done?

- Silos still hinder prevention and response

- Differences and similarities in missions
  - CIA Triad: Confidentiality, Integrity, and Availability
  - SRP Triad: Safety, Reliability, and Performance

- Cyber-informed engineering and how to apply this to critical infrastructure systems and physical security devices

In partnership with
SIA EDUCATION at ISC

Built by
RX In the business of building businesses

Two Sides of the Coin

Summary

- Be aware of threats/risk in interconnected OT world and implement best practices
- Threats will continue to evolve
- Physical and cyber security teams must step outside their silos
- Utilize your CISO/tech leadership team as a trusted resource to identify threats, gaps in coverage, and response

In partnership with
SIA EDUCATION at iSC

Built by
RX In the business of building businesses

Key Takeaways Within Your Organization

- Understand your environment including: what is critical
- Establish an inventory of systems and services including third parties dependencies/connections
- Know system manufacturers and their support practices (including: how they address vulnerabilities)
- Establish awareness program, train personnel
- Conduct regular testing of environment
- Simulate attacks

In partnership with
SIA EDUCATION at iSC

Built by
RX
In the business of building businesses

Key Takeaways Within Your Industry

- Participate in information sharing communities
- Learn about attacks targeting your industry
- Understand how peers are addressing security
- Share best practices to speed adoption

In partnership with
SIA EDUCATION at iSC

Built by
RX In the business of building businesses

Thank you!

Have thoughts about SIA Education@ISC?

Scan the QR Code on the left to provide your feedback on SIA Education@ISC Sessions at ISC West

In partnership with
SIA EDUCATION at ISC

Built by
RX In the business of building businesses