



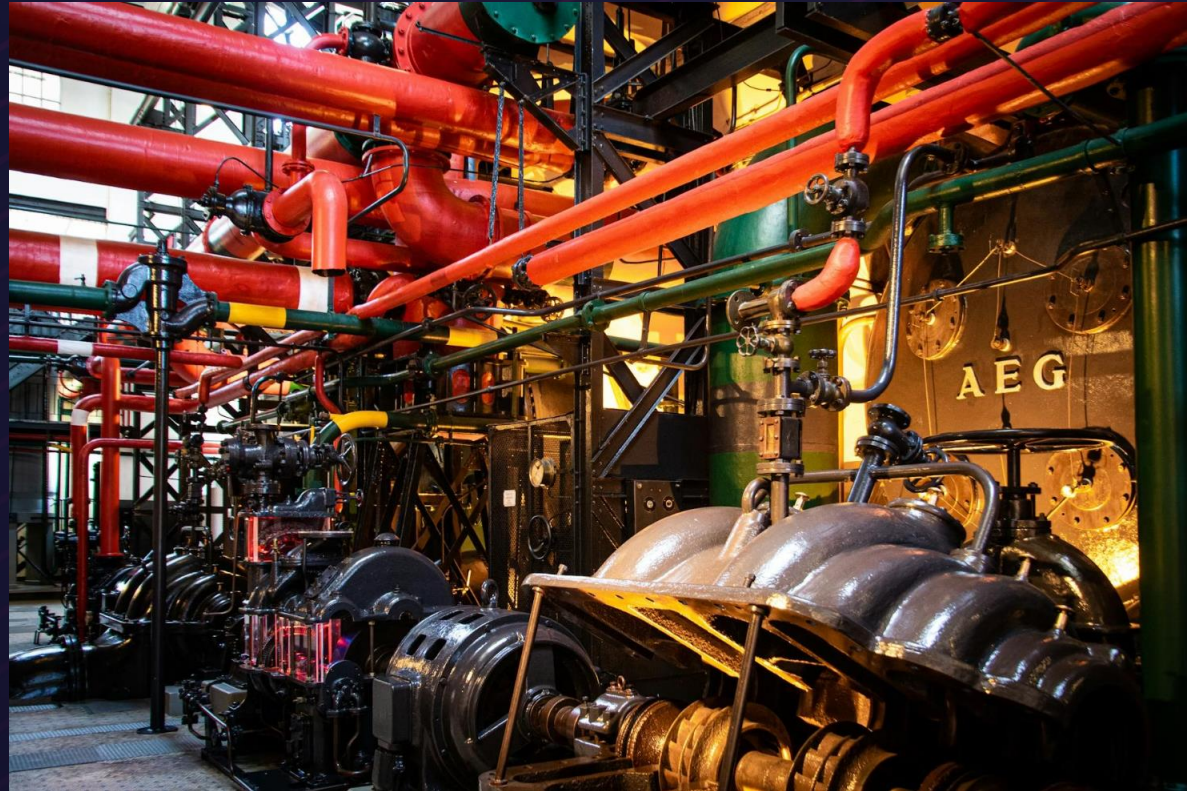
Making Progress in OT Security

Building Defensible Architecture with the SANS Five Critical Controls

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The Gap Between Framework and Factory Floor



20+ Year Lifecycles

Equipment outlasts frameworks

Zero Downtime Tolerance

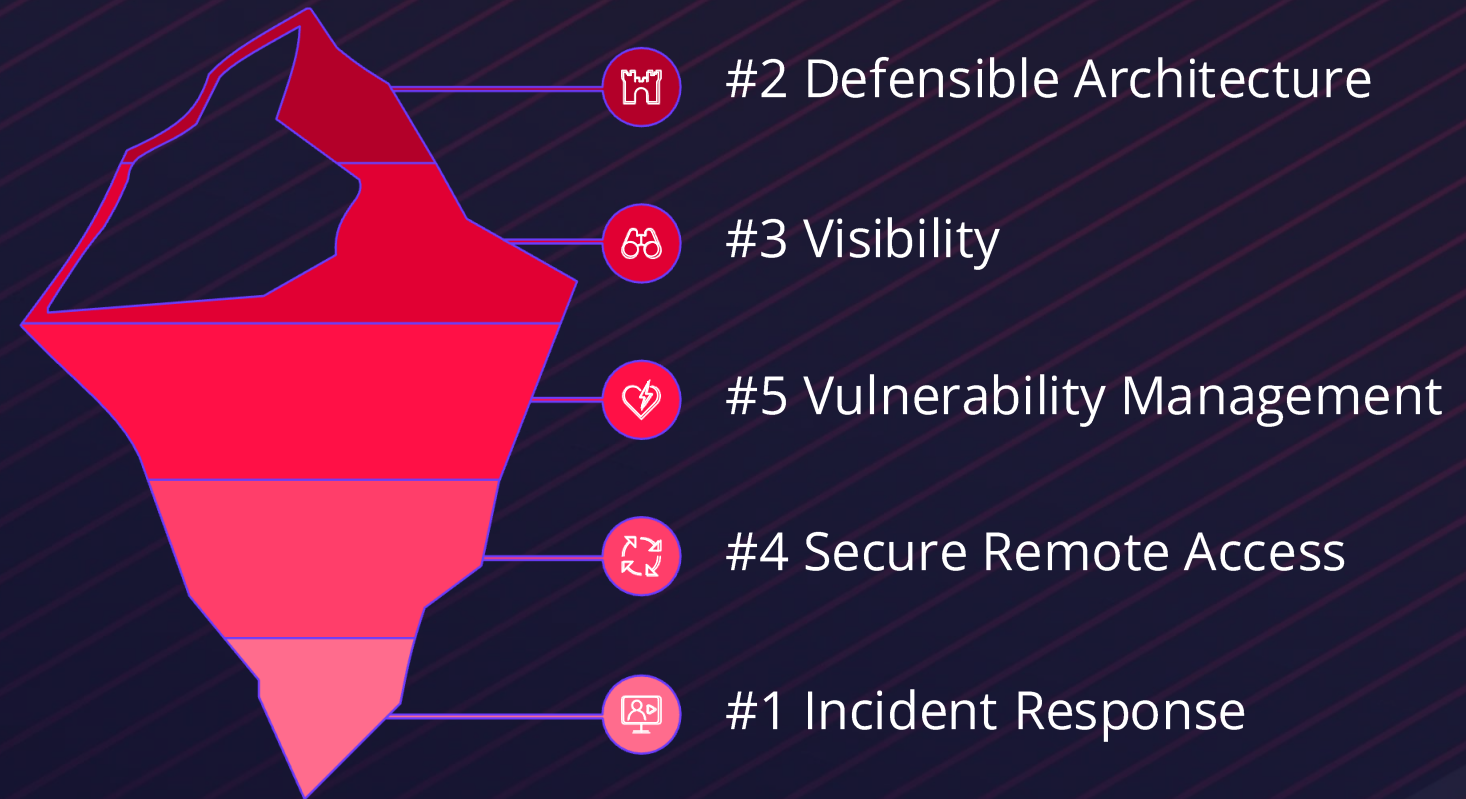
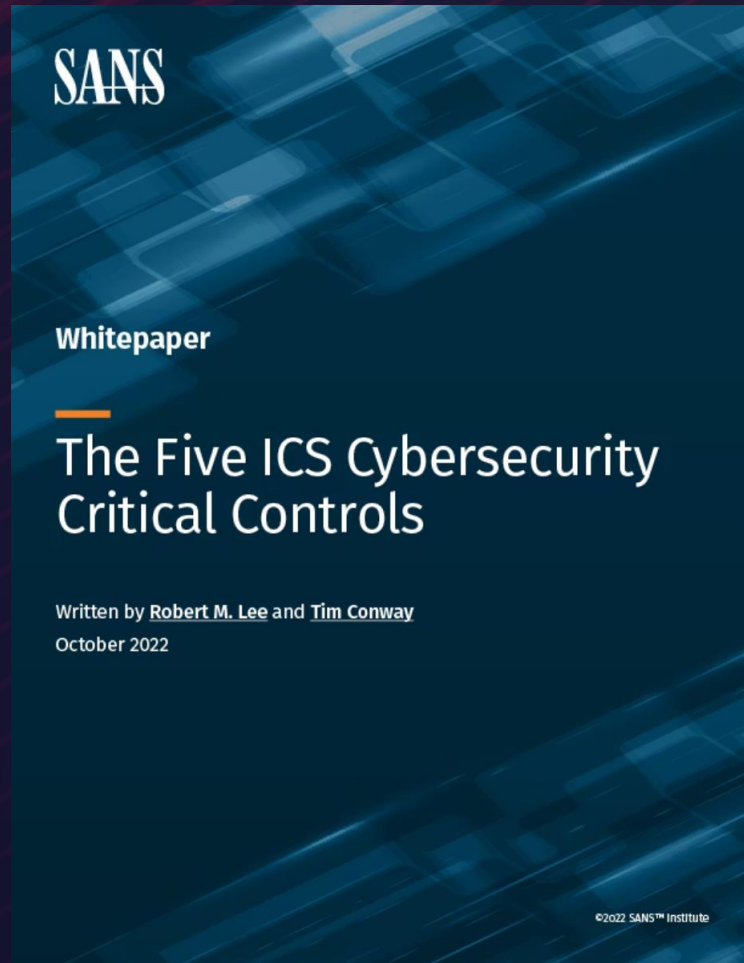
Operations cannot pause

No "Rip and Replace"

Legacy constraints are real

③ The question is not what is ideal, but what actually moves the needle.

A Defensible Architecture Is Where Value Is Realized



Scenarios drive requirements. Architecture delivers outcomes.



Every other control either feeds the architecture or depends on it.

Outputs Without Action Are Just Reports

Generating Outputs

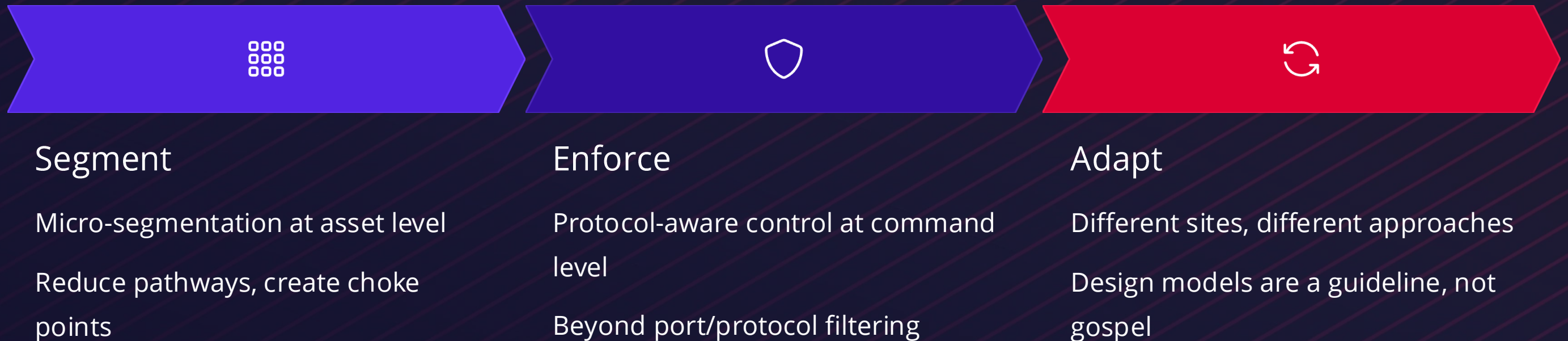
- 2,400 assets discovered
- Anomalous traffic detected
- 347 CVEs identified
- Dashboards updated

Driving Outcomes

- Process-critical assets segmented
- Unauthorized commands blocked
- Vulnerabilities shielded
- Risk reduced, operations protected

 Most OT attacks use native functionality, not vulnerability exploitation. - SANS

Defensible Architecture as a Living System



"It is the human element that allows a defensible architecture to become a ***defended*** architecture." - **SANS**

Visibility That Drives Architectural Action

Identify Commands
Detect specific commands and patterns.

Feed Enforcement
Supply policies to enforcement engine.

Protocol-aware DPI
Inspect OT protocols and payloads.

Block Unauthorized
Inline drop of malicious commands.

#1

Security Control

Ranked by mature ICS organizations - SANS 2024

1/8

Full Visibility

Organizations achieving ICS Kill Chain visibility - SANS 2025

⚠ Traditional firewalls see ports. OT-native inspection sees commands.

Vulnerability Management That Changes Architecture

6% Immediate action

63% Mitigated by architecture

31% Inherent ICS risk

Dragos 2025

🔍 **Key question:** "If this vulnerability were patched, could an adversary achieve the same outcome with direct network access?" - **SANS**

46%

apply compensating controls

51%

default to more monitoring

77%

of ICS vulnerabilities require direct access to the ICS segment

Frost & Sullivan 2024, Dragos 2025

Inside the Architecture, Not Beside It

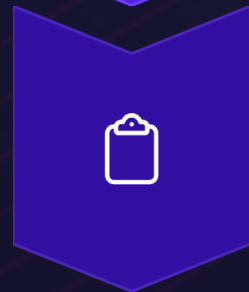
The Complete Journey From Detection to Prevention

TXOne's Discover, Assess, Protect methodology maps directly to the critical controls:



Discover

Asset identification and network mapping supports Controls #2 and #3



Assess

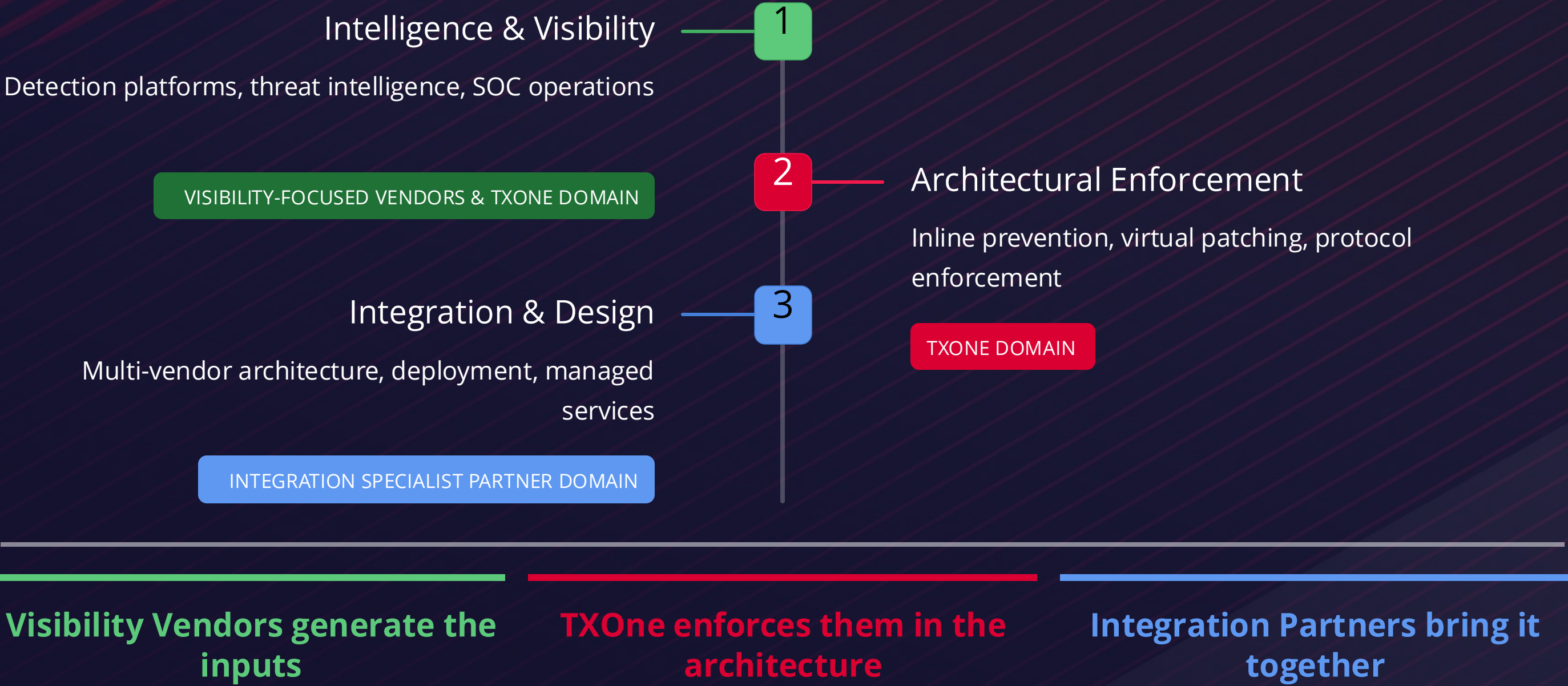
Vulnerability assessment with operational context supports Control #5



Protect

Inline prevention blocks threats in sub-second response time, supporting Controls #2 and #3

OT Security is a Team Sport



What You're About to See

TXOne Complete: Network. Endpoint. Inspection — Unified.

Network Security

TXOne Edge

Inline prevention, 180+ OT protocols, hardware bypass continuity

Endpoint Protection

TXOne Stellar

Legacy and modern systems, Windows XP through 11,

Security Inspection

TXOne Element

Agentless, air-gapped, constrained environments, supply chain validation

✔ One partner. One platform. Zero unplanned downtime. This is what it looks like to run it.

The Demo Begins Now



Network security enforcement

Live traffic, live blocking



Endpoint protection on legacy systems

No patches, no reboots



Security inspection at the perimeter

Air-gap to enterprise

Discover. Assess. Protect.

Schedule a proof of value for your environment today



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