

IT / OT / DEFENSE TECH

# Telesseer

Unified visibility & security  
for mission-critical networks.

## COMPANY

Cyberspatial Inc.  
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Arlington, VA 22202

## POINT OF CONTACT

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## Sales

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## NAIC

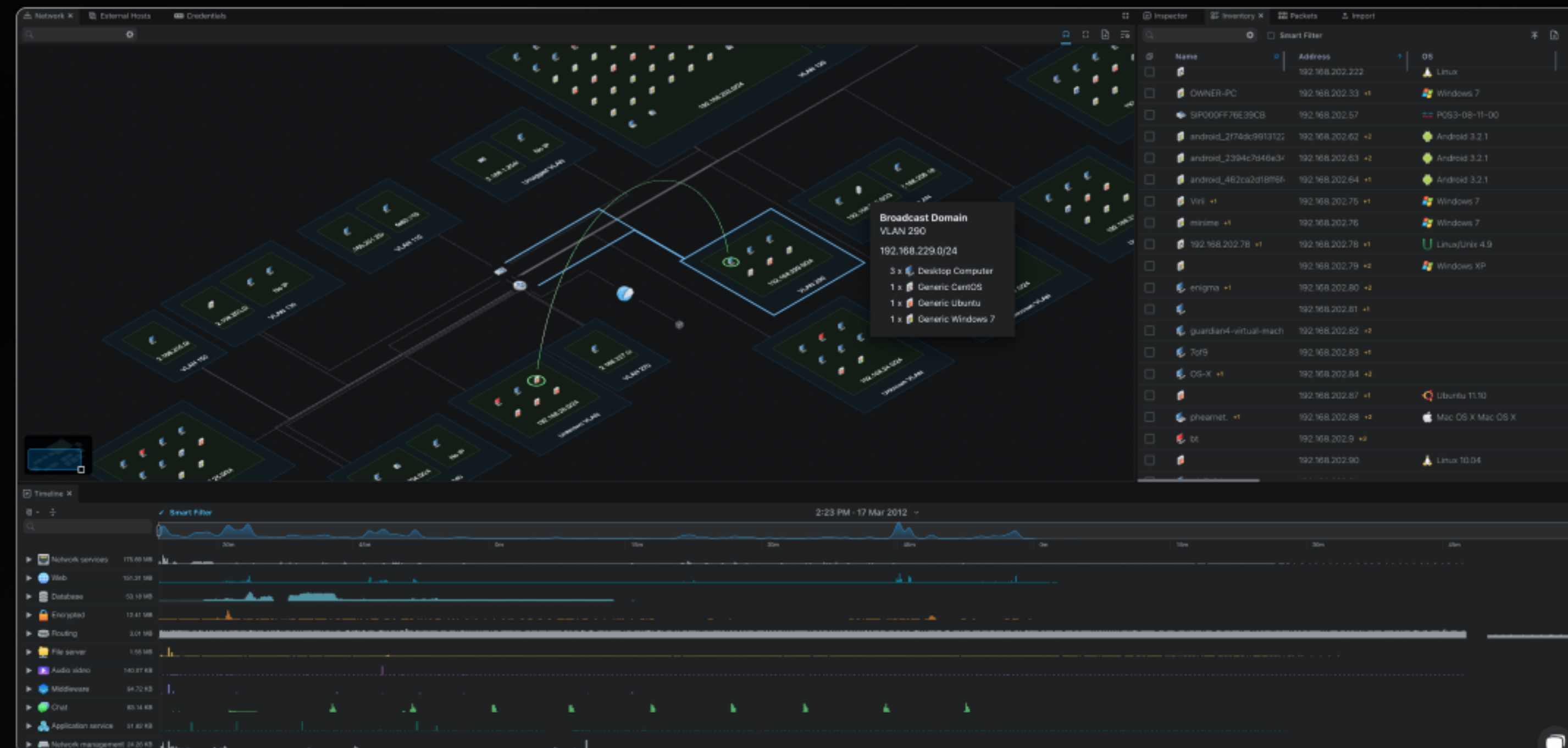
541511

## CAGE

9BN41

## DUNS

117700266



## Unified Visibility

Real-time Mapping & Monitoring  
Continuous Asset Discovery  
Risk & Vulnerability Management

## Quick to Deploy

Portable & flight-ready kits  
On-premise & offline solutions  
Passive, agentless observability

## Respond & Resolve

High-definition Traffic Intelligence  
Forensics & Incident Response  
Automated Analysis & Reporting

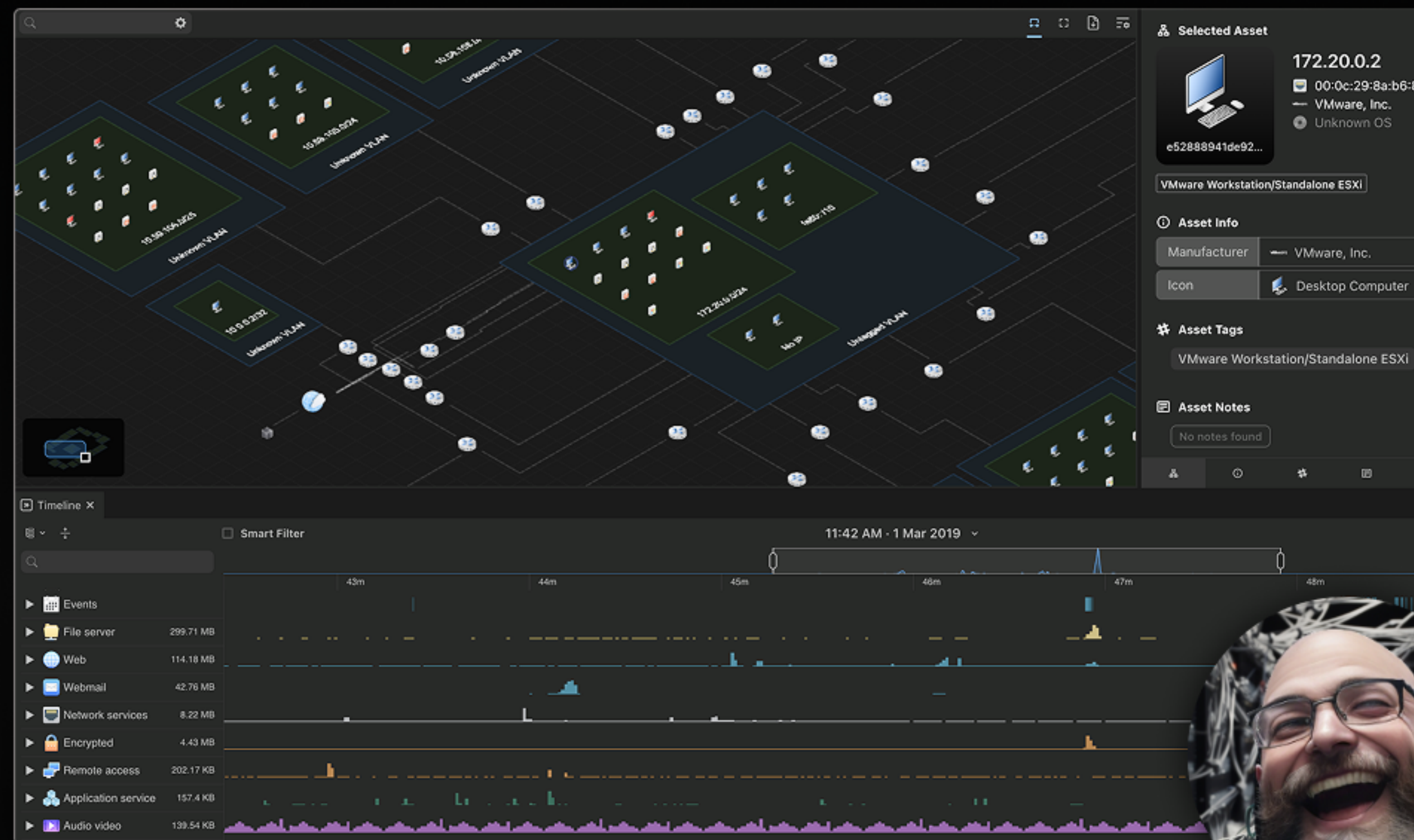
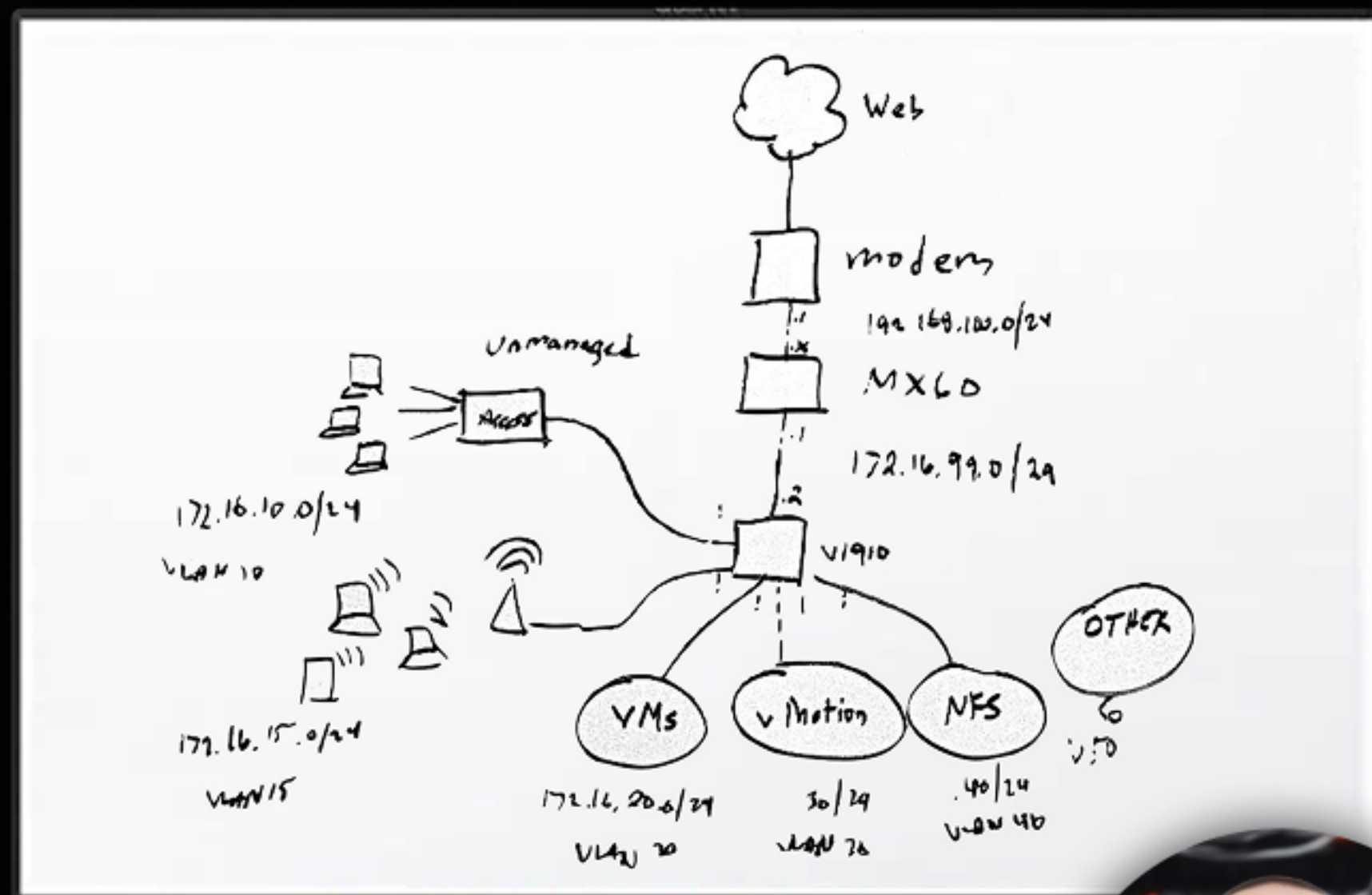
## Point of Contact

Lawrence Nunn  
Ln@cyberspatial.com  
(703) 888-8746

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# Is poor network visibility putting your mission at risk?

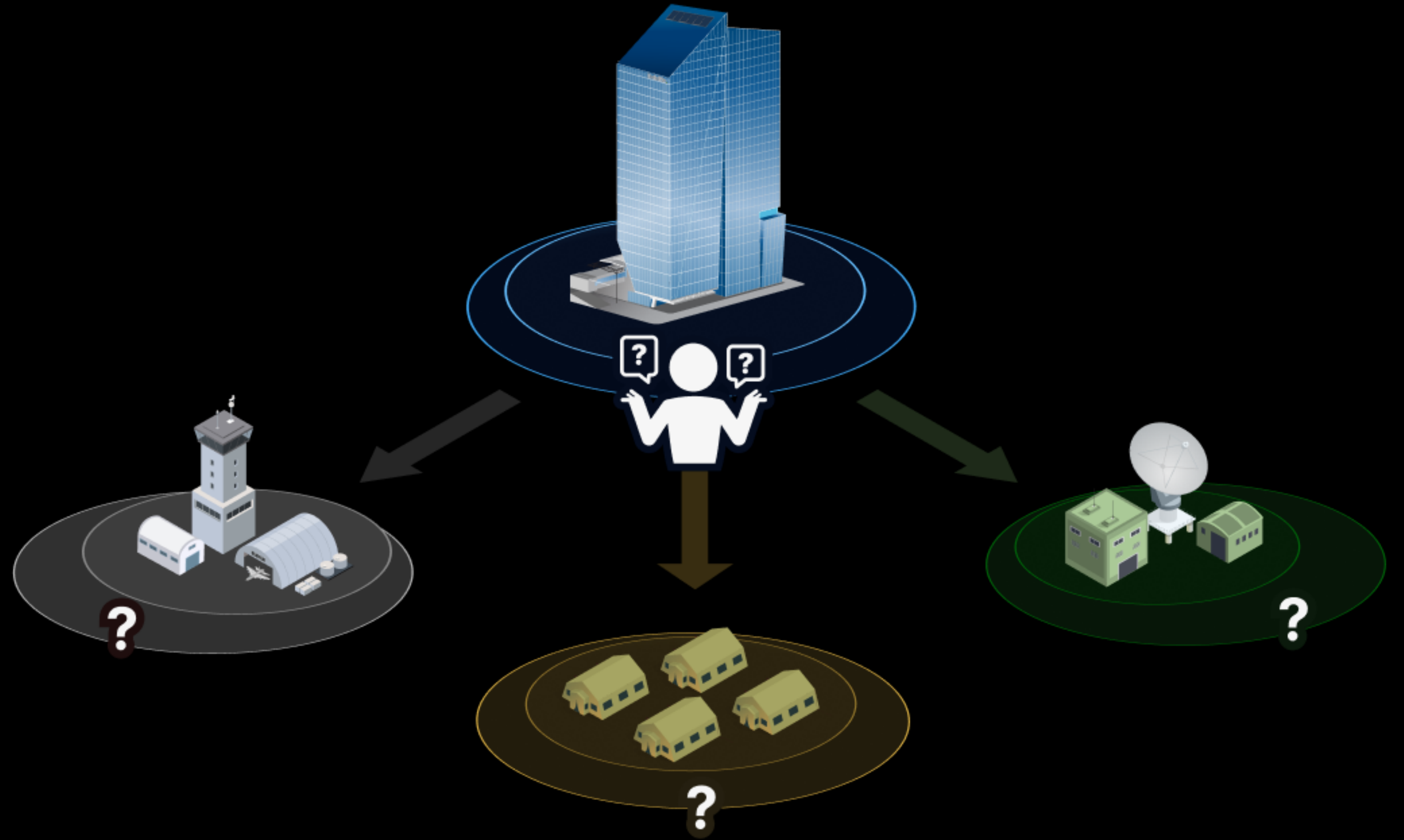




## PROBLEM

# Mission-critical networks are hard to see and protect.

- Disjoint operational views
- Complex legacy systems
- Isolated remote sites



Are we using any insecure protocols?



Where are my critical assets?



How fast can we respond to outages?



Any connectivity?

How do we get observability for remote sites?



What is our network security posture?



What rogue devices are on my network?



What suspicious or unauthorized traffic are there?



**How do I protect what I can't see?**

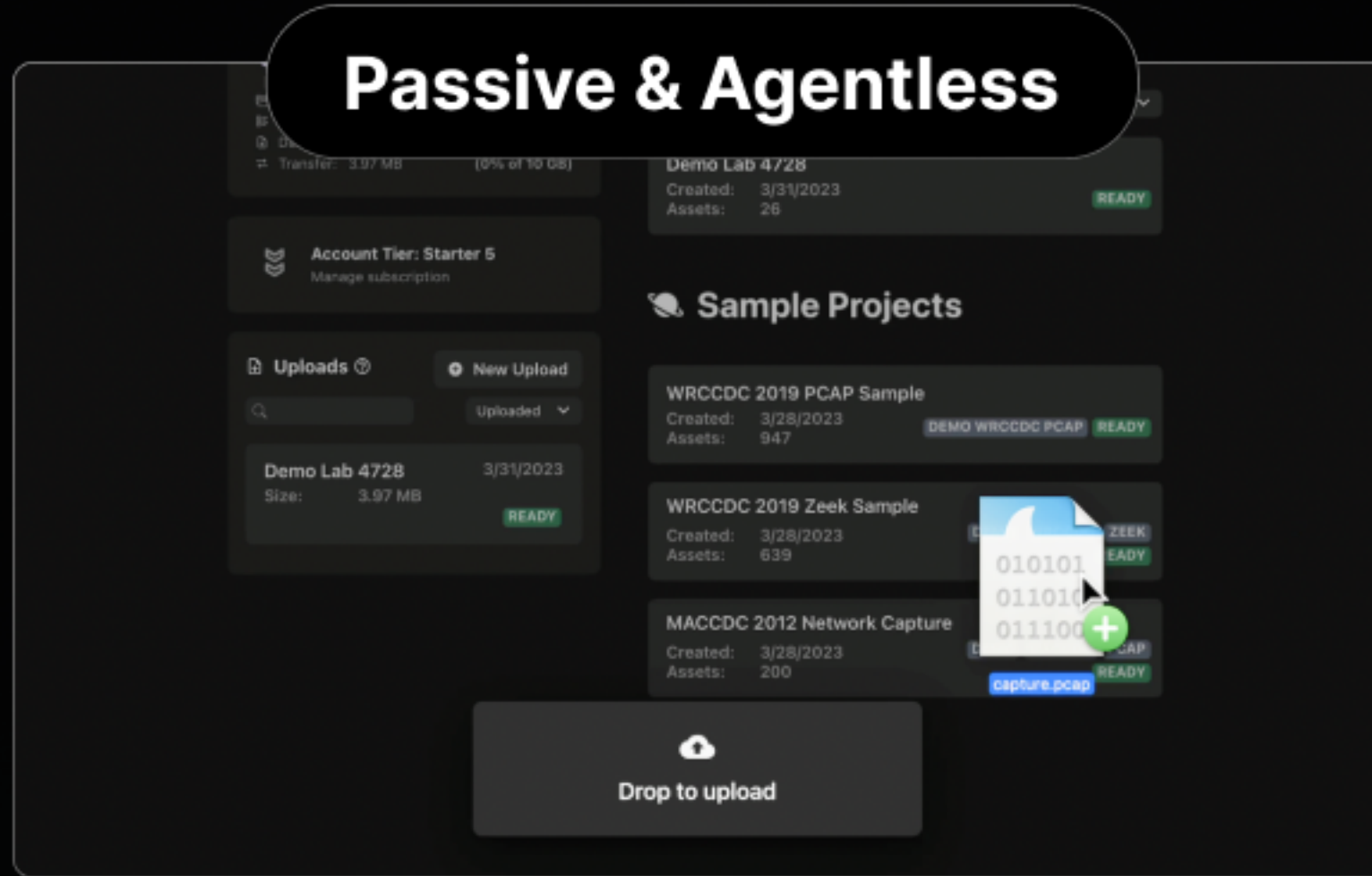


How do I validate root cause of performance?

## SOLUTION

# We provide unified visibility in a shared operational view.

### Passive & Agentless



### See Everything

Networks, assets, and events all in one place

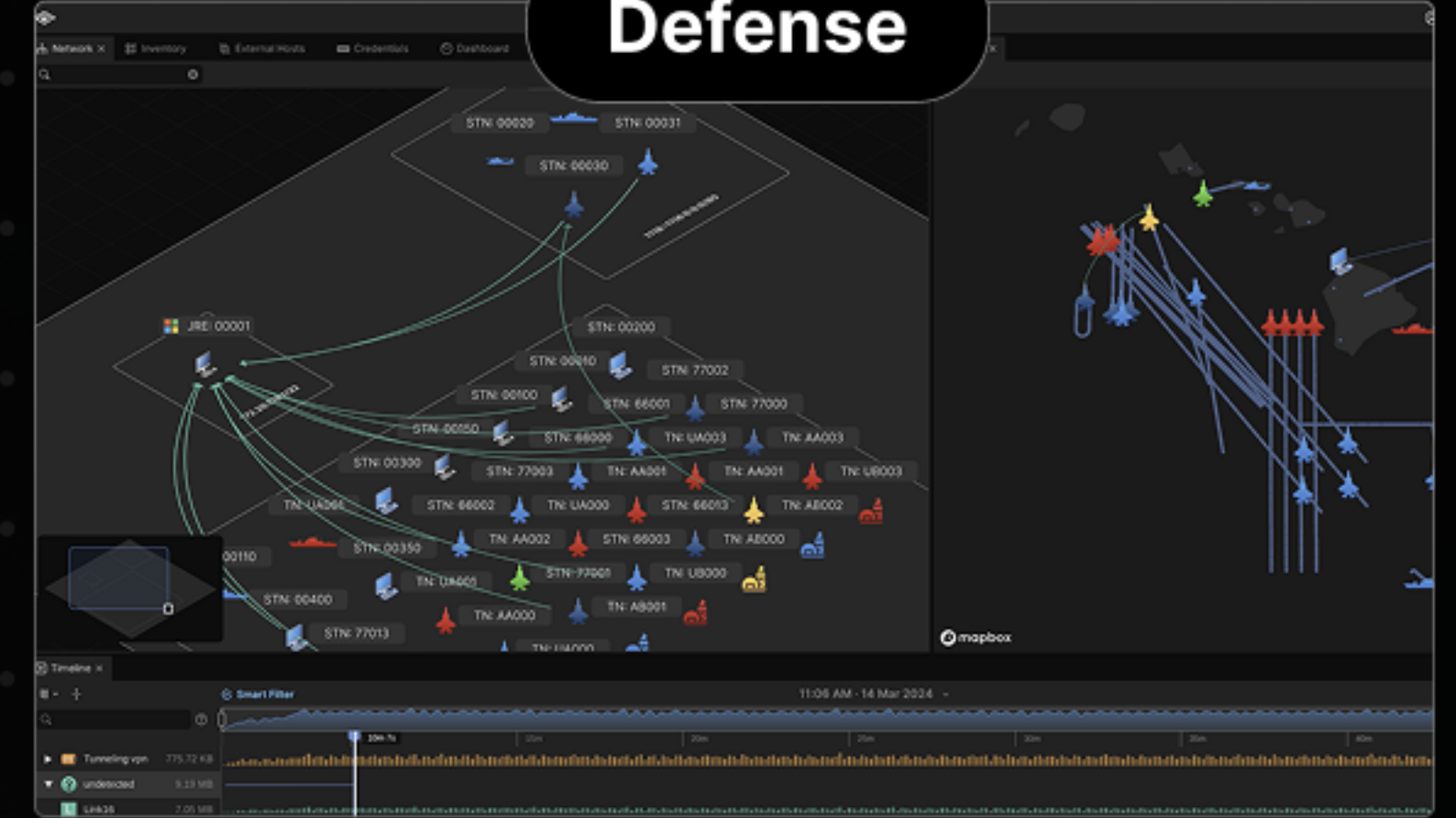
### IT / OT



### Know Your Network

Vulnerabilities, threats, and security risk posture

### Defense

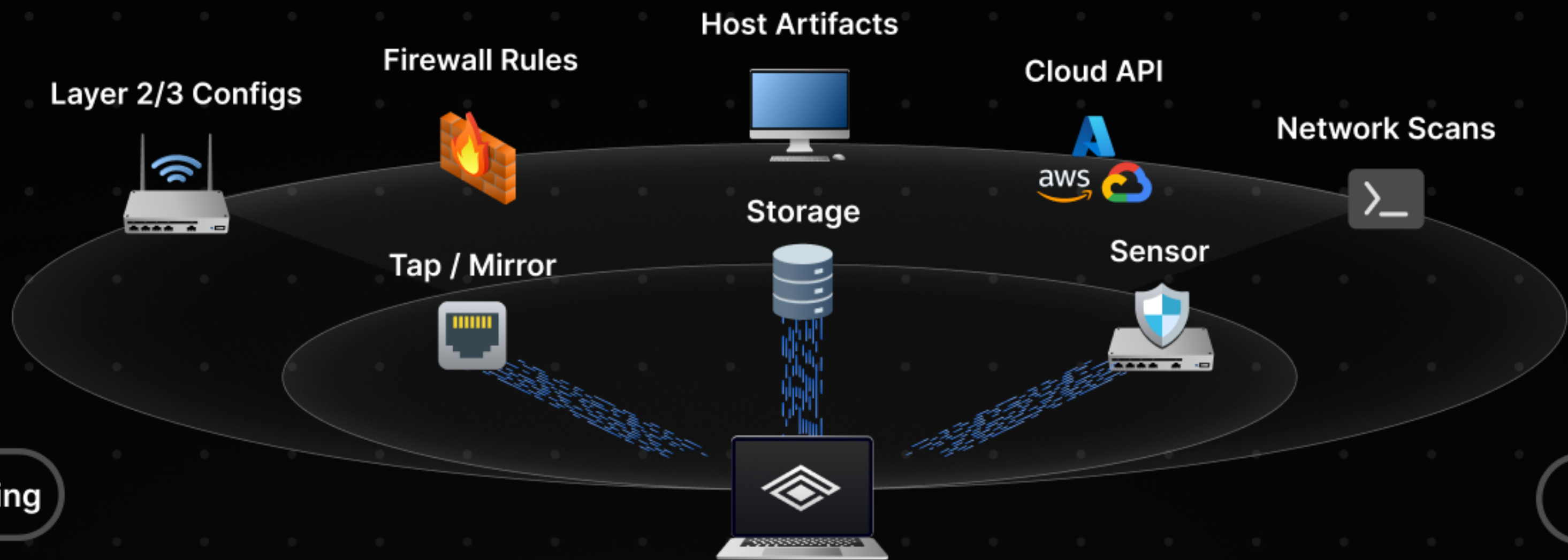


### Command with Confidence

Safeguard operations with total situational understanding



# Navigate your network with a centralized source of truth



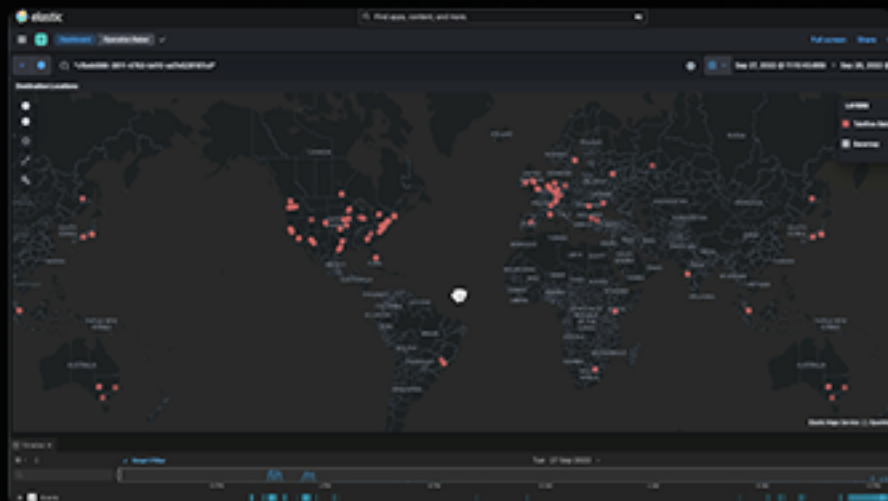
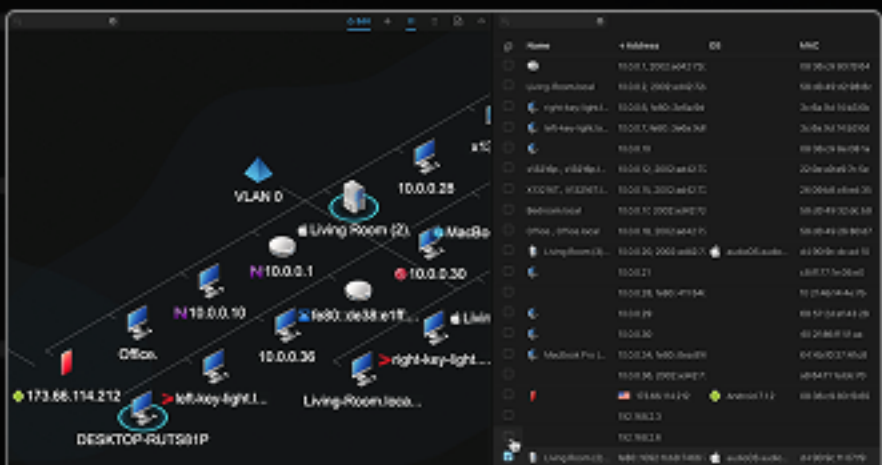
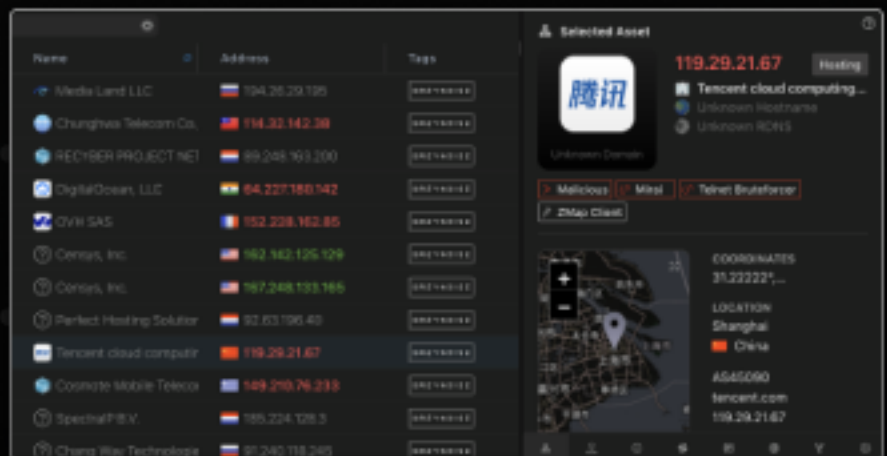
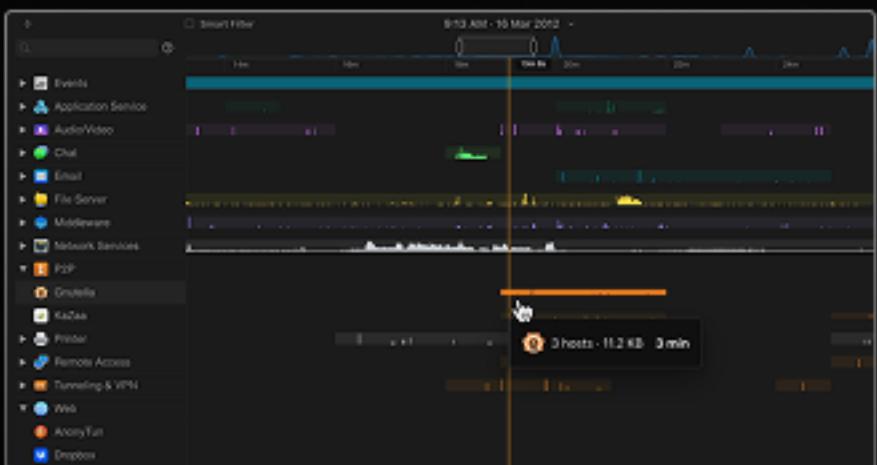
Real-time Mapping & Monitoring

Vulnerability & Risk Management

Traffic Analysis & Capture

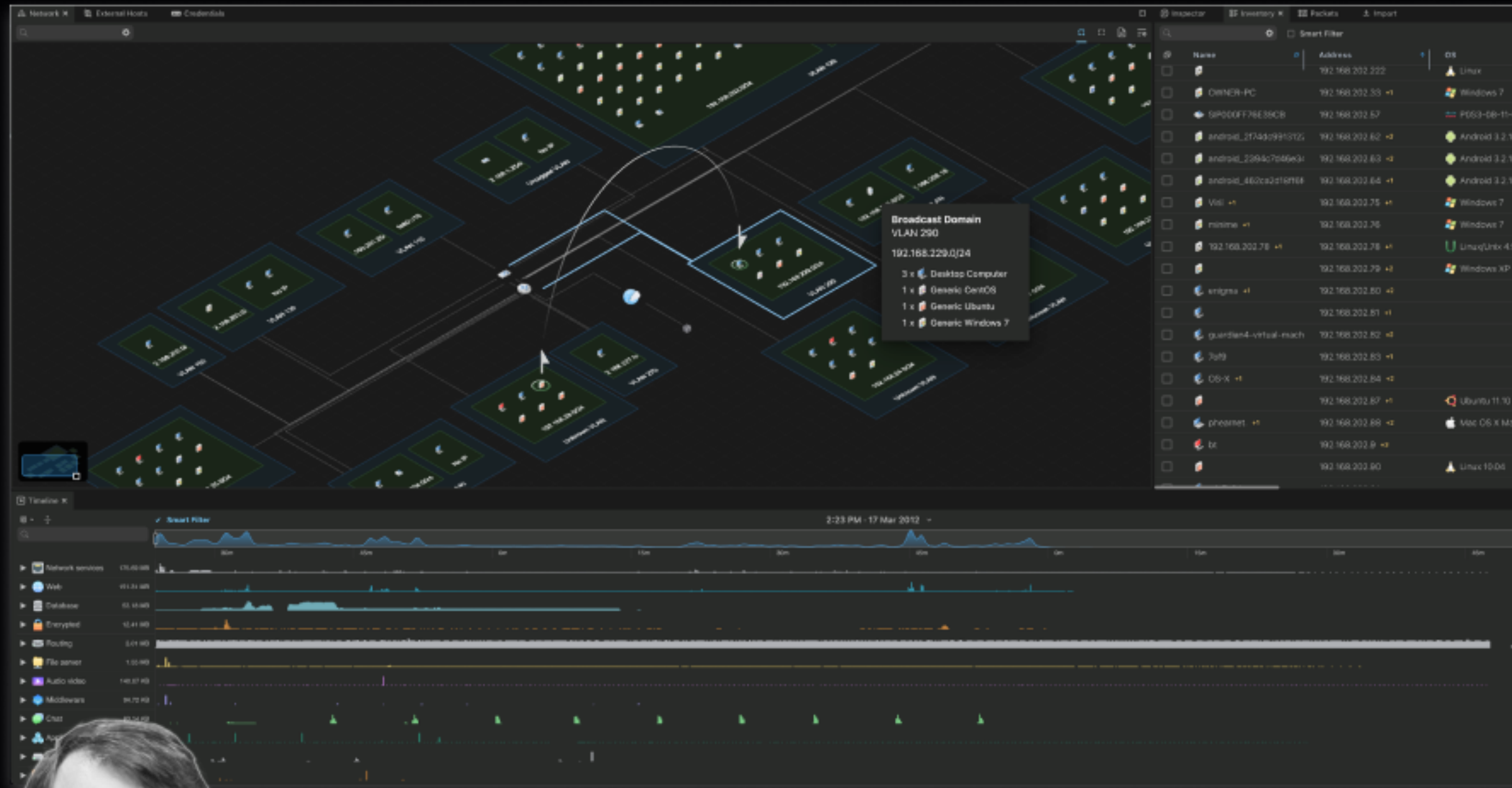
Continuous Asset Discovery

Forensics & Incident Response





# Visual network intelligence gives you crystal clear insights.



FORMER CHIEF OF TAILORED ACCESS OPERATIONS

One of our *worst nightmares* is that *out-of-band network tap* that really is capturing all the data, understanding anomalous behavior going on...



Rob Joyce, NSA  
Director of Cybersecurity

- ✓ Traffic Spoofing
- ✓ VPNs & Proxies
- ✓ Covert Channels
- ✓ Shadow IT and OT
- ✓ Network Anomalies
- ✓ NAT Detection
- ✓ Rogue Assets
- ✓ Suspicious Connections
- ✓ Attack Surface Insight
- ✓ Beaconing Behavior



# Is your network analysis engine parsing everything?

- Classify protocol
- Analyze packets
- Inspect payload

10 Gbps  $\neq$  10 Gbps

## Common Performance Sacrifices



I skip what I don't understand




I skip part of the payload



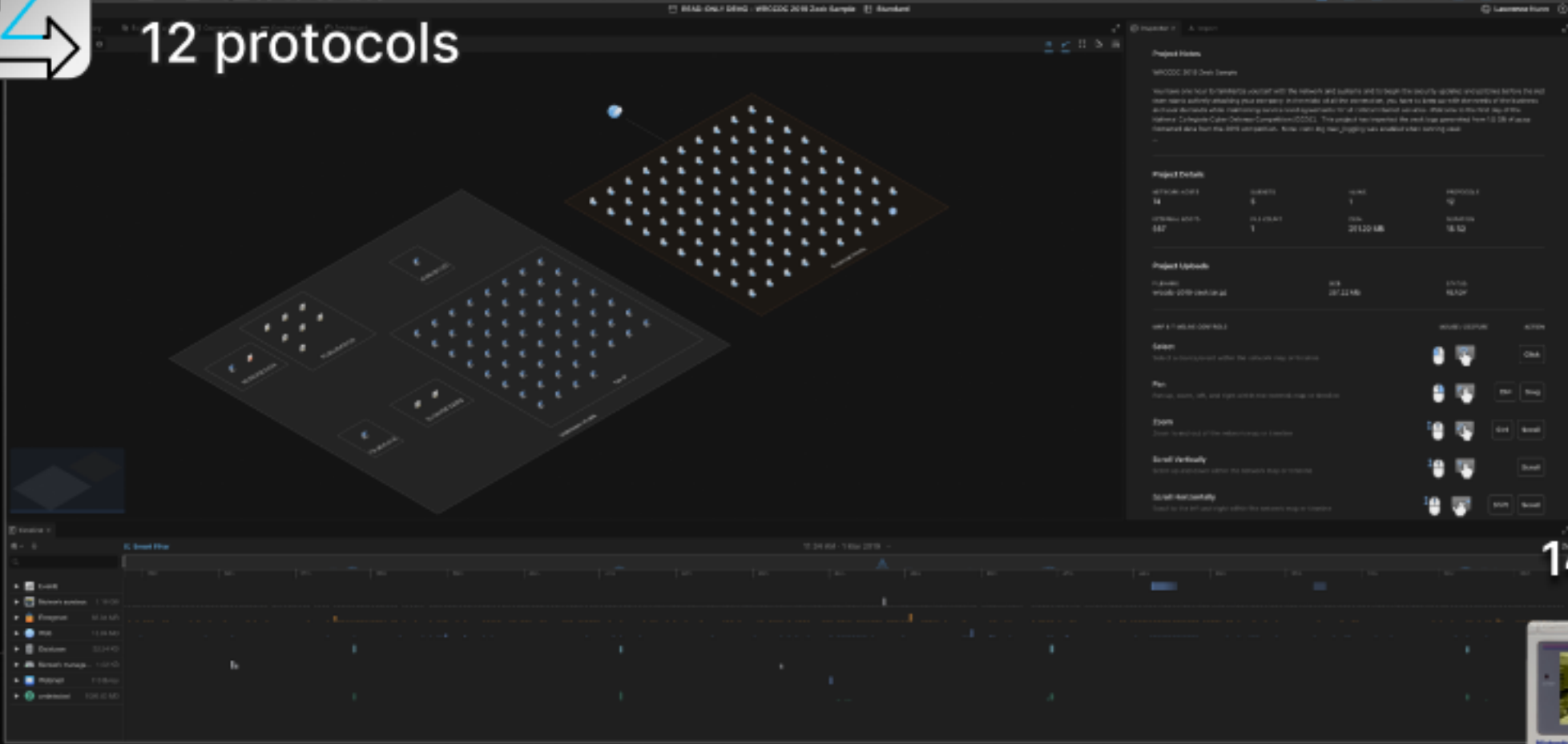
I skip the whole payload




# What powers your hunt?




74 assets  
12 protocols

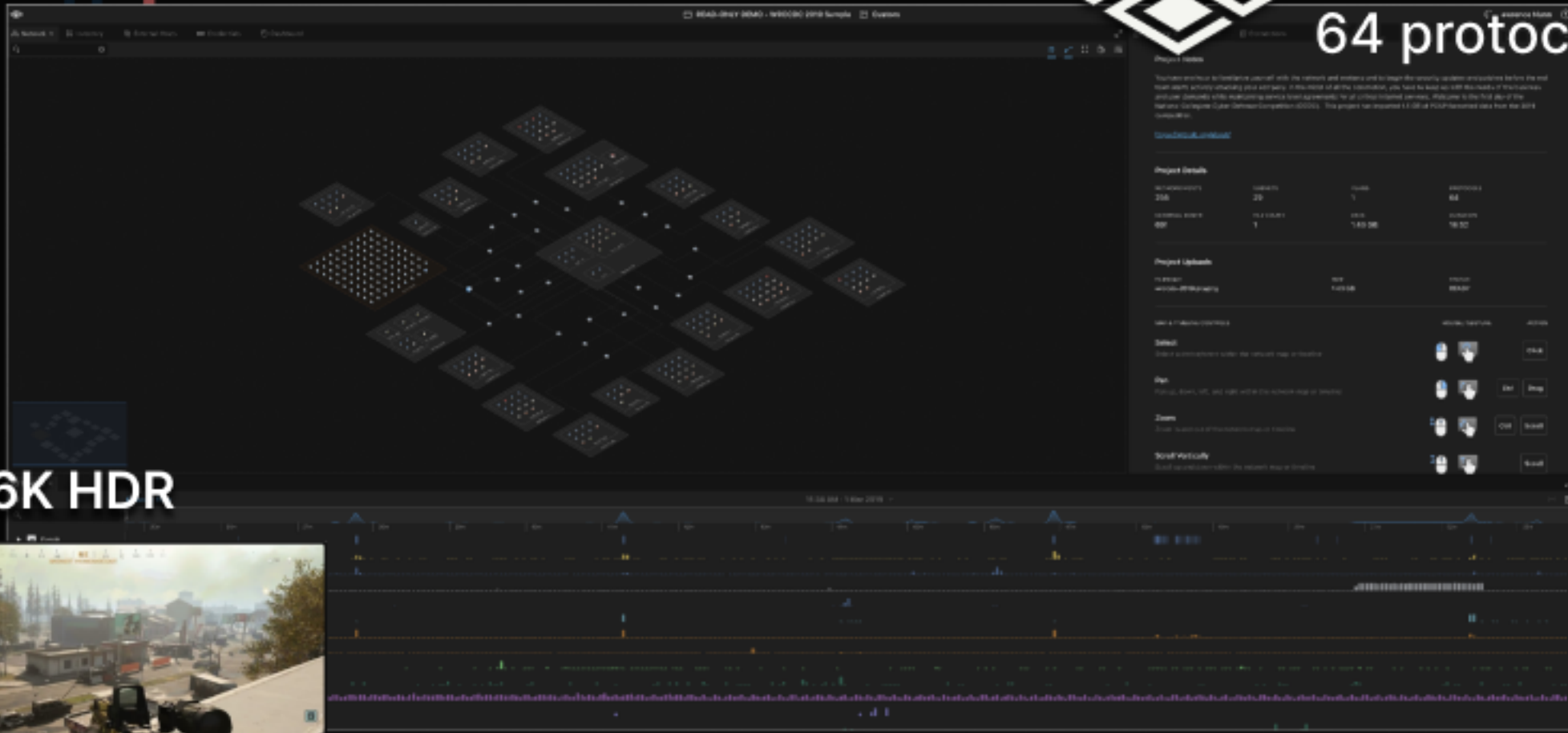


144p






256 assets  
64 protocols

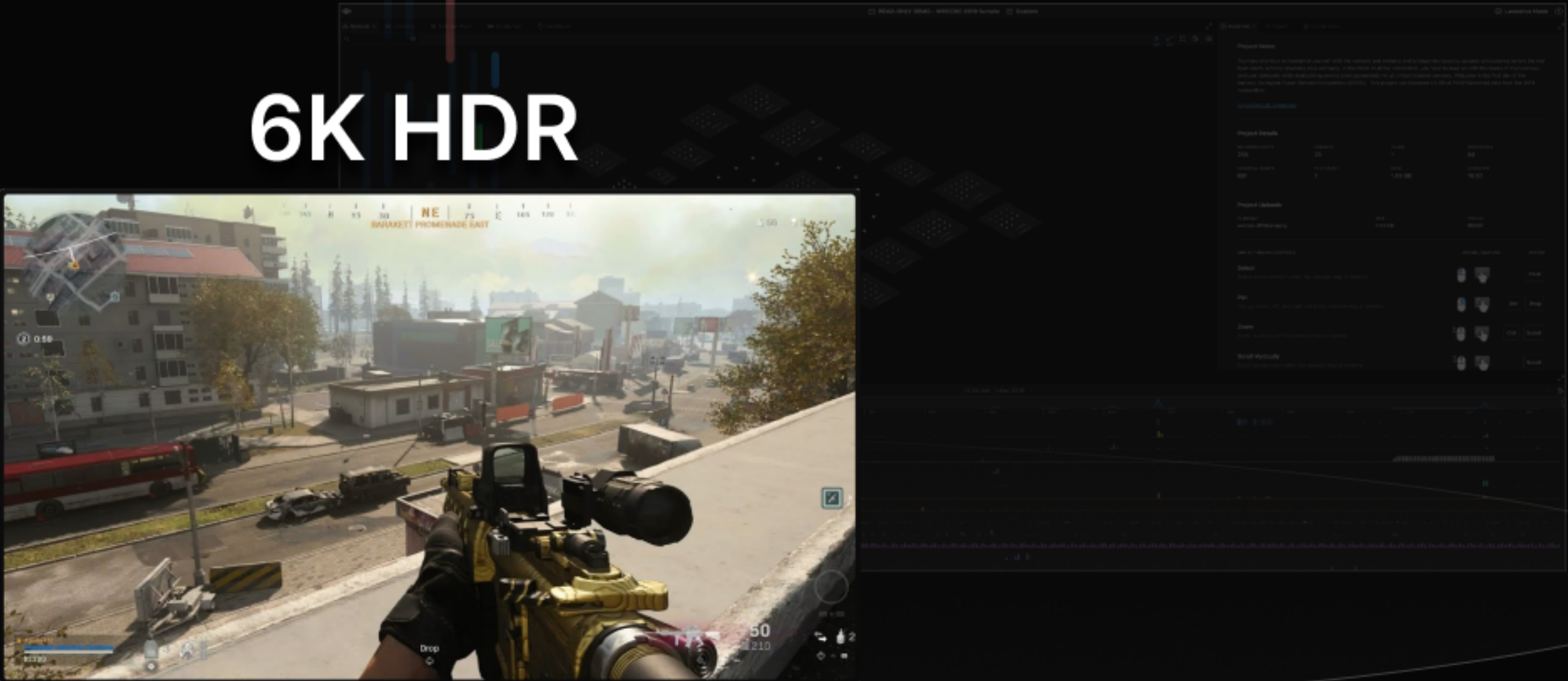


6K HDR



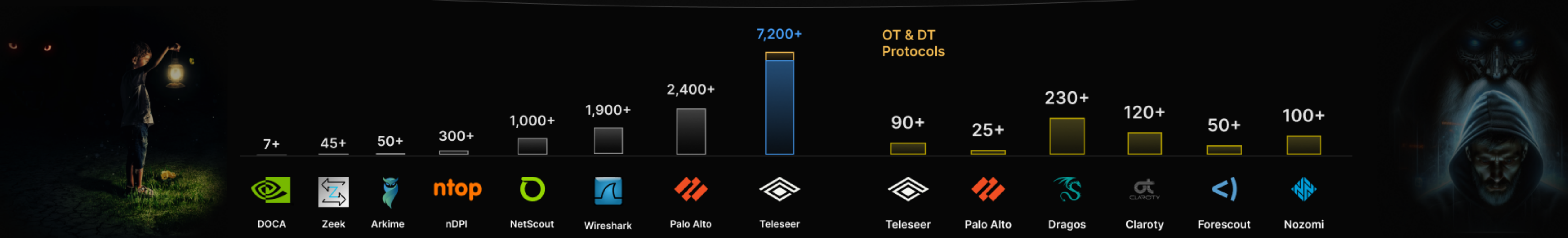
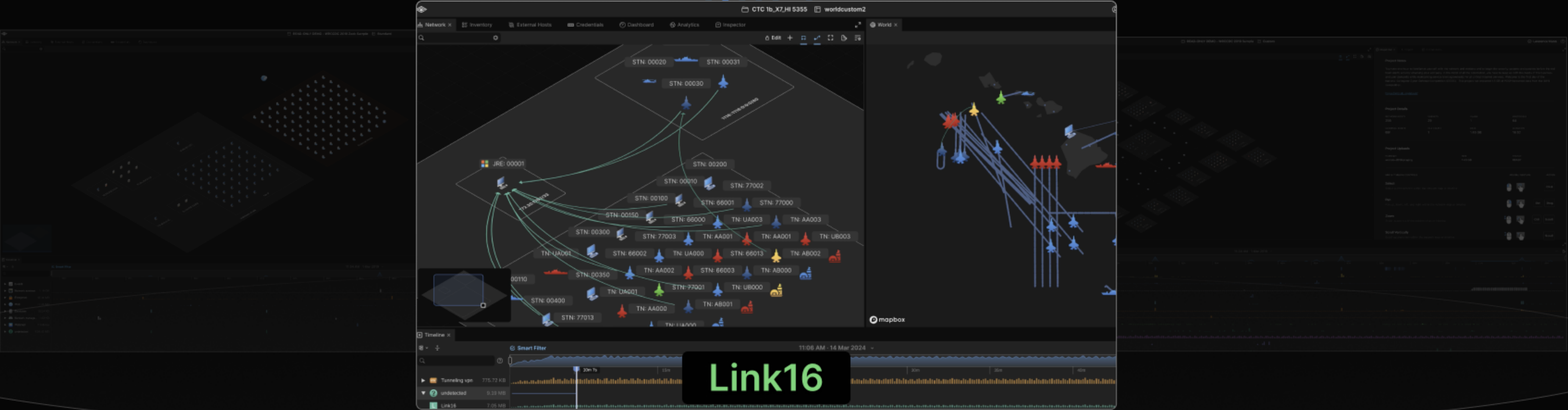


# High-definition visibility matters.





# Enabling tactical network defense.





## Videos



<https://vimeo.com/1035855641>

password: teleseer



# Questions

## Contact Us:

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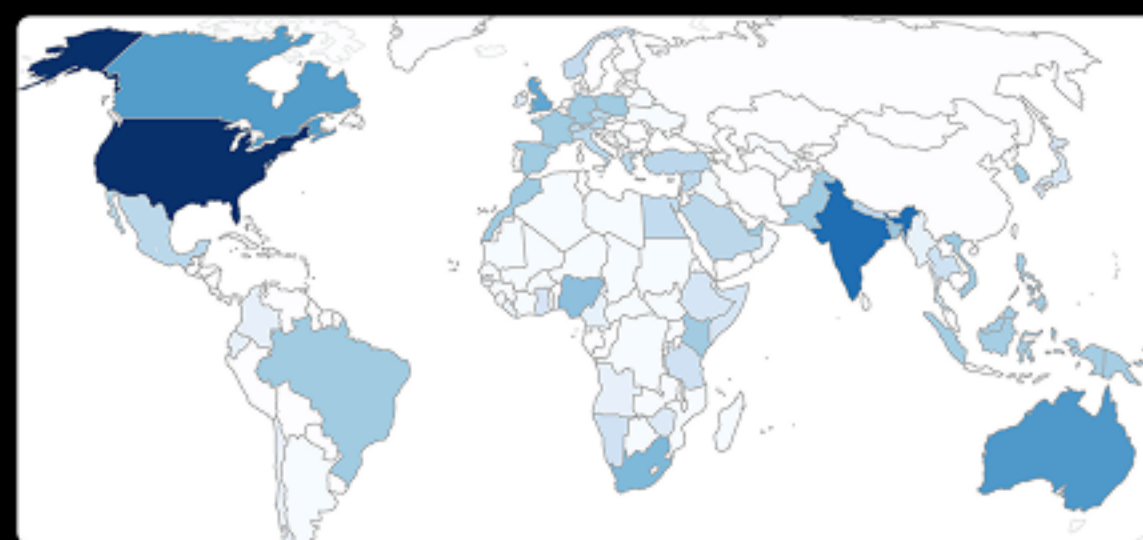
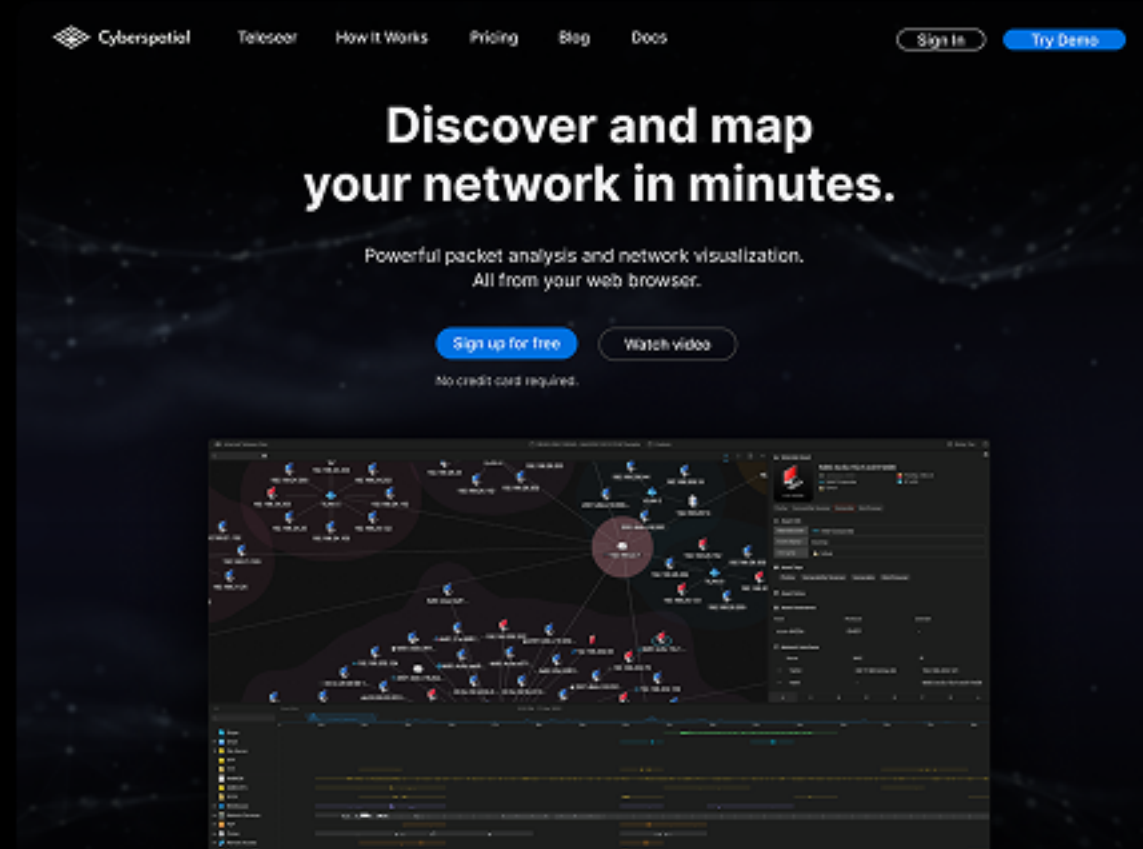
### DUNS

117700266



Our enterprise customers and partners include:

**3000+ users in  
over 100 countries**



**Dupont Chemical**

Cyber Incident  
Response Team



**Space Force**

United States Space  
Force (USSF)



**SOCOM**

United States Special  
Operations Command



**Toffler Associates**

Cybersecurity  
Consulting Group



**Air Force**

Air Force Academy  
16th Air Force



**DIU**

Defense  
Innovation Unit



**NIWC Pacific**

Naval Intermediate  
Warfare Center



**Cyber Command**

United States Cyber  
Command (USCC)



**BNA**

Metropolitan Nashville  
Airport Authority



# Product Discussion



LIMITLESS OBSERVABILITY

# Enterprise Appliances

Performance & dependability



Dell PowerEdge R7625 Server



Dell PowerEdge R7615 Server



Dell PowerScale data storage solutions



Teleseer Prime  
ON-PREMISE HEAVYWEIGHT SENSOR

Teleseer Spark  
ON-PREMISE MID-WEIGHT SENSOR

Dell PowerStore flash storage arrays



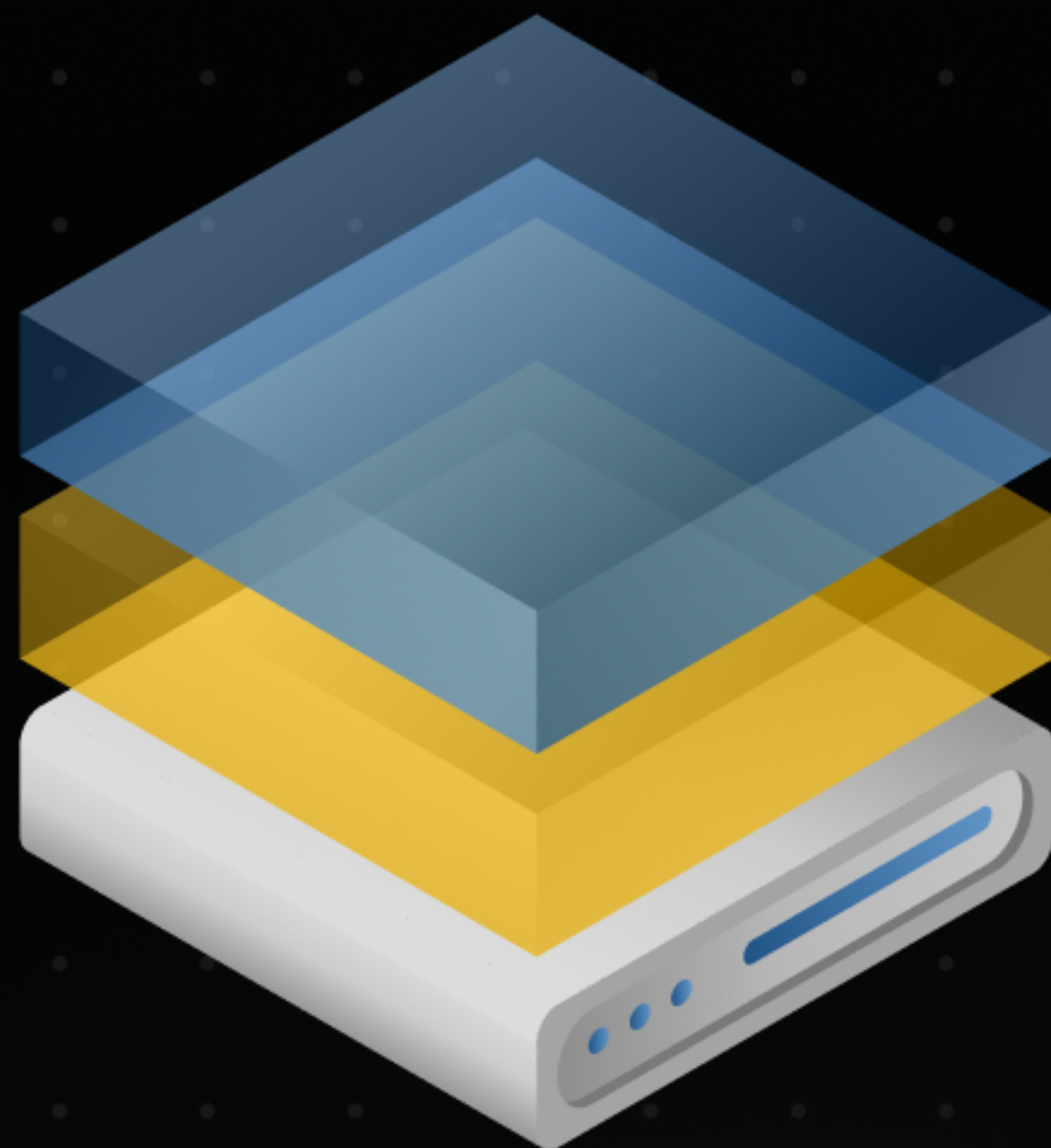
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ABSOLUTE FLEXIBILITY

# Teleseer PulseVM

On Premise or Cloud



**VMWare Virtual Appliance:**  
8 to 256 core options available.



**AWS Marketplace (Coming Soon):**  
AWS Nitro EC2 instances with x86 cpus  
(Intel or AMD)



**AWS Marketpalce**  
(Coming Soon)



**VMware**  
VMDK



**Install via**  
IronKey



**Multi-seat**  
Capability



**Use Your**  
Hardware



BRING ANYWHERE

# Scout

10 Gbps packet  
capture and analysis



**Flashpack™ NVMe**  
Store up to 786 TB



**17" Dell Precision 7780**  
Intel i9 24-core CPU



**Capture Card**  
4 × 10 GbE SFP+





LIMITLESS OBSERVABILITY

# Hawk

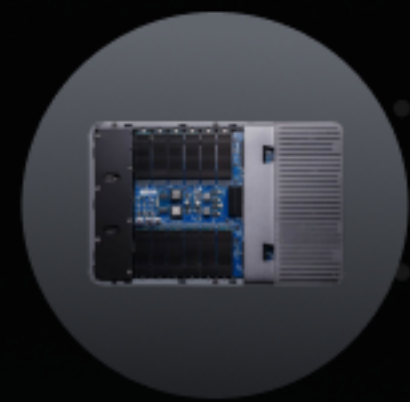
Flight-ready  
Offline & on-the-go



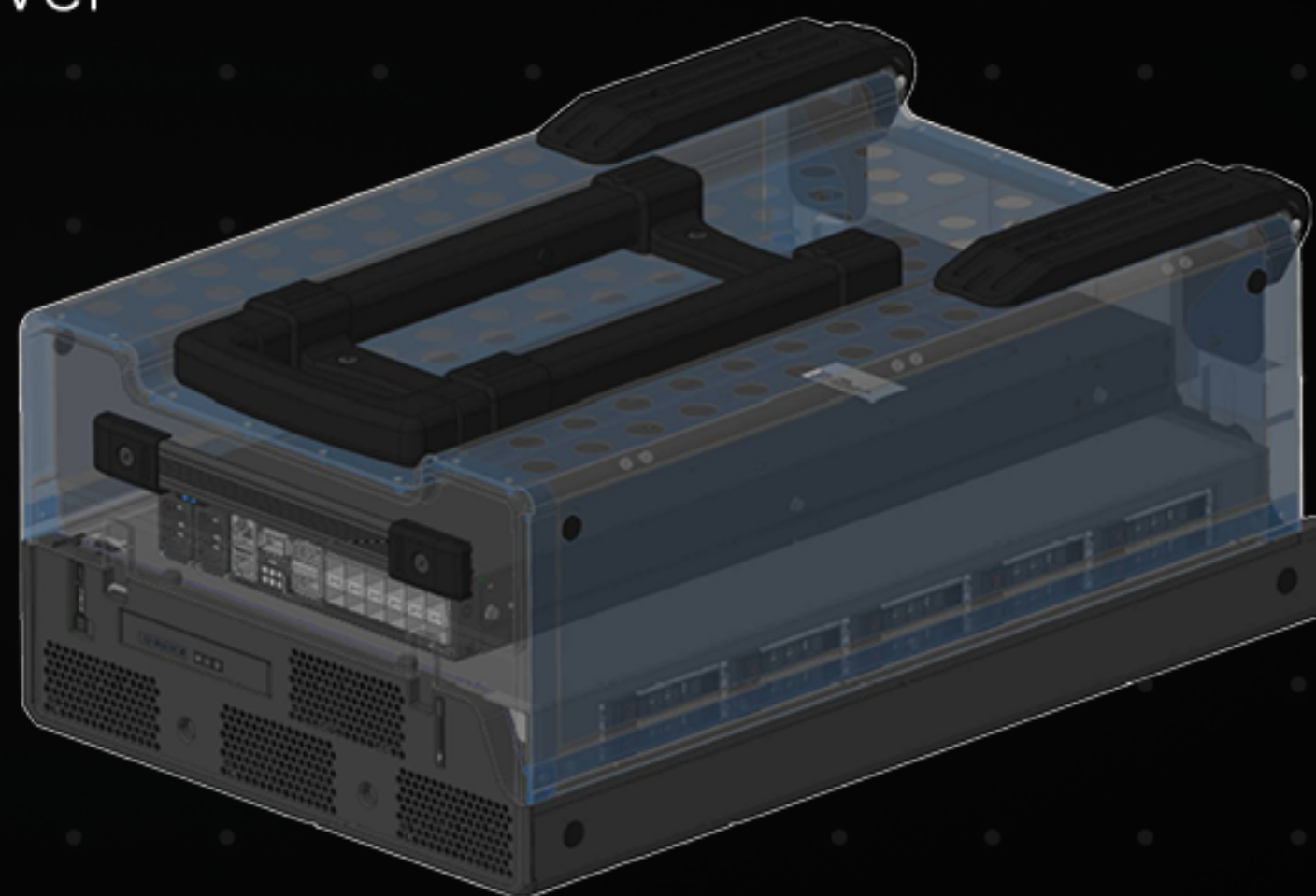
**PowerEdge  
R7615/7625**

Rack mountable server

Up to  
84-core CPU  
768 GB RAM  
512 TB (RAID)



**Flashpack™ Stowaway**  
Store up to 786 TB



**LogicStorm™**

Up to 6,144-core CPU



**Nvidia L40S GPU**

18,176 CUDA Cores



**Dell XR-8000**  
Hyperscale Compute

**Precision 7960**

Data Analytics Tower





# DoD Support Highlight



# USSF searched for best-in-class solutions across industry.

## Process

- Screened over 100 commercial and non-commercial solution offerings for topics of interest
  - Complex Cyber Network Mapping
  - Automated ID of Devices and Data Flows
  - Model and Simulation of Network
  - Identification of Mission Critical Services
  - Predictive and Automated Vuln Assessments
  - Sensor Placement
  - Bridging Gap Between Network Mapping and Optimization of Sensor Placement
  - Network Mission Assurance
  - Cyber Domain Awareness (Internal and External)
  - Threat Detection

## 6-month Accelerator

- Invited 8 companies to the Catalyst Accelerator
- 6-months mentoring companies on how to work with the government
- Selected 1 of 8 for a pilot with USSF to provide MRT-C to the Satellite Control Network (SCN)

**Single solution that provides unified visibility across IT, OT, Defense, and remote sites**



Catalyst Campus  
**Invited 8 of 100 companies to pitch and demo their solutions.**

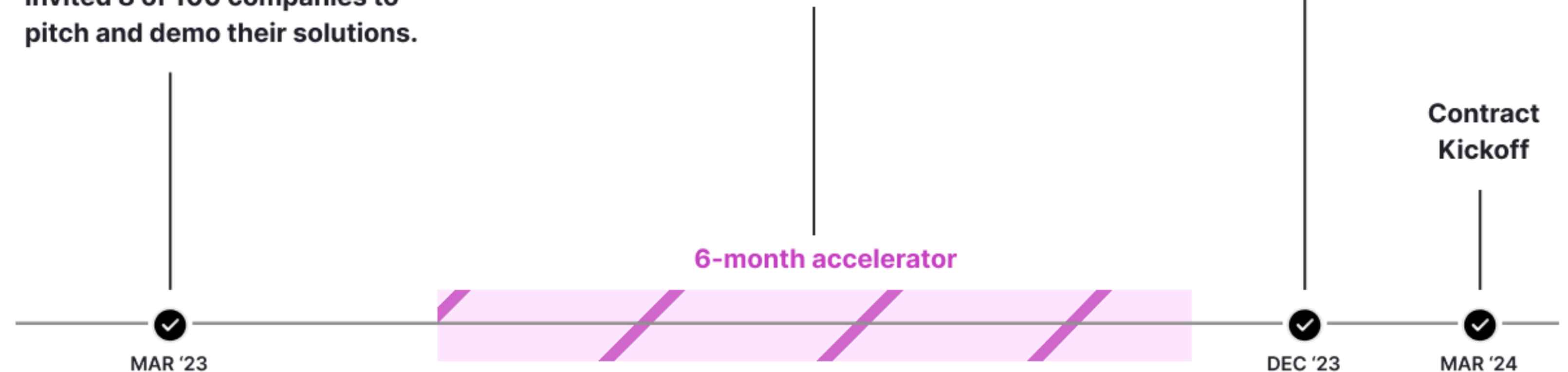
“

Defensive Cyberspace Operations (DCO) provide defensive cyber capabilities that protect USS mission system networks, to include their associated computer systems, software applications and sensitive operational information against unauthorized intrusion, corruption, and/or exploitation.

Resilient cyberspace architecture is a key to USSF system security. USSF cyber operators must provide mission assurance of the critical networks and systems they protect, in an increasingly contested, congested, and degraded environment.



Selected winner  
**Offered a pilot**





# Cyberspatial has shown strong effectiveness and user demand.

## Achievements

- Pilot Deployment: SCN and Western Range Delivered 65/68/69th CYS Demo Capability
- Certificate to Field: Software approved for ATO baseline integration across mission systems. ATO testing and documentation submitted

## Technical Milestones

- Custom Development of SCN custom parsers
- Nominated MRT-C systems with automated scoring
- Validated mapping capability and SCN network baseline through Teleseer platform.

## Key Units Involved

- Delta 6, 22 SOPS, 65/68/69/15 CYS
- SpOC HQ, USSF/S63/S35C
- Cyber MAT, SSC / SZWO, NSDC

“

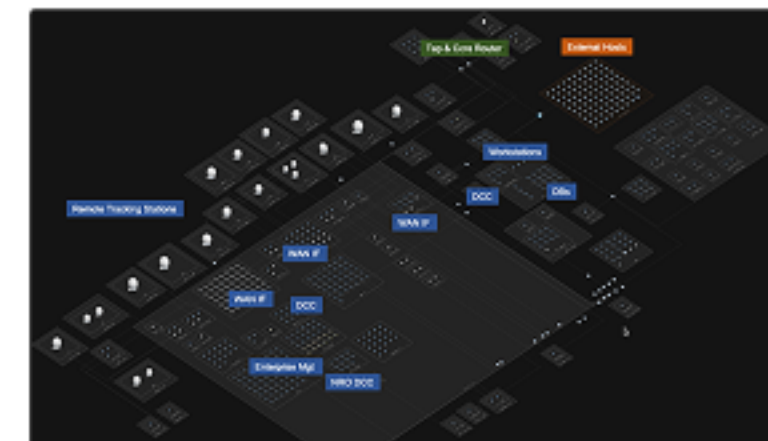
This is by far the best network mapping tool I've used. All we want to know is when can we use it



**SPC3 Jacob Bosner**  
Mission Support Element  
USSF - 68th CYS



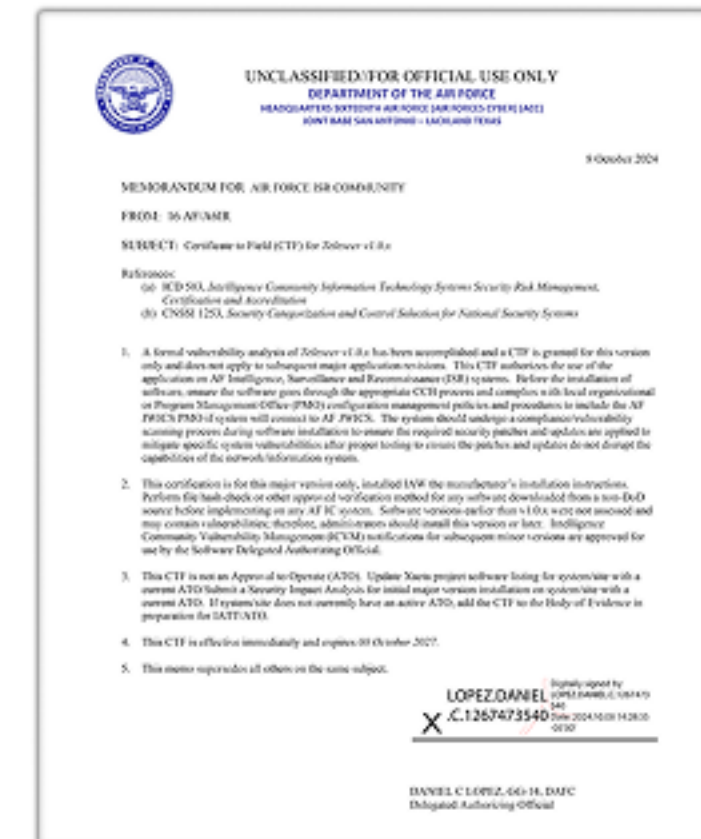
**COTS Software** aligns  
with SecDEF vision



Schriever SFB  
**Pilot kickoff and validated effective SCN mapping.**



Vandenberg SFB  
**Deployed pilot capability and mapped Western Range.**



**Certificate to Field Software is approved for use on any mission system**



**Acceptance Testing ATO testing and paperwork completed, awaiting ATO**





**Today we are monitoring  
space mission systems and  
other critical infrastructure.**



## Ryan Foster

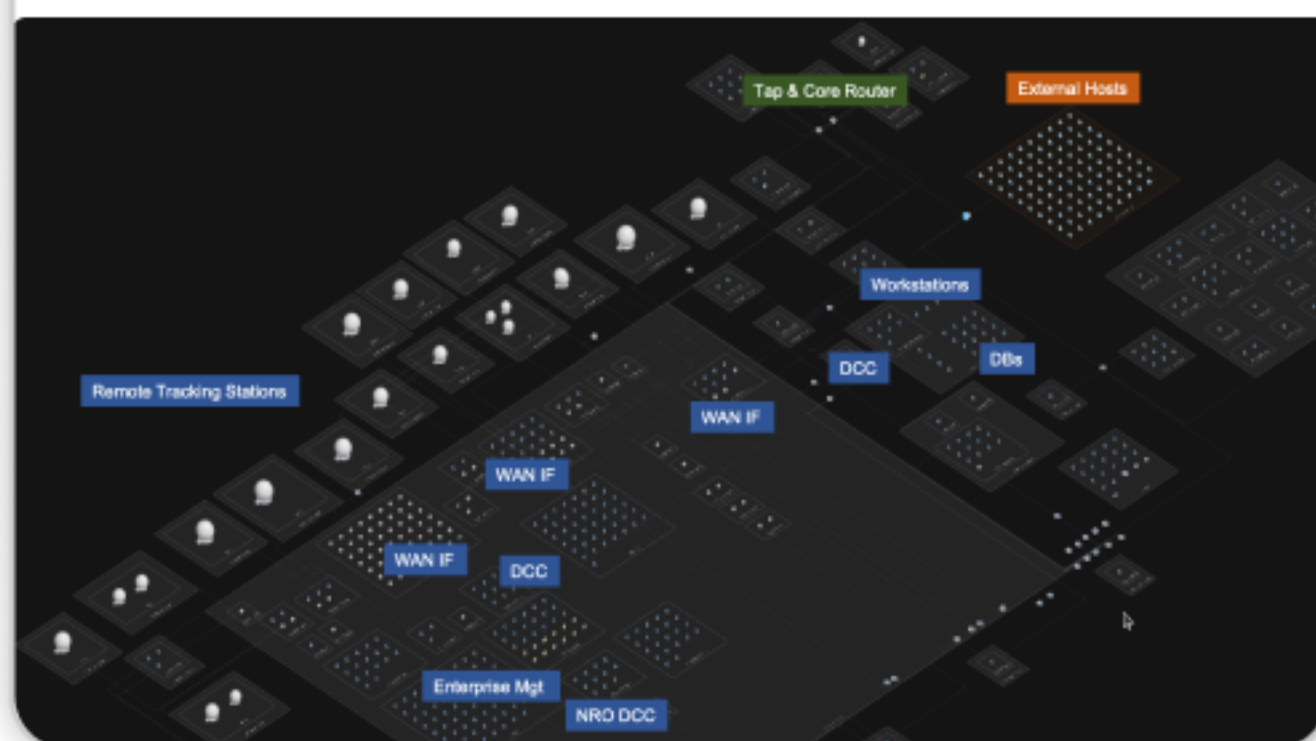
65th CYS Tech Director  
USSF - Cyber Squadron

I put 6 guardians through Teleseer. None of them had ever touched the product. Within 6 hours they were able to utilize the capability, scrape data, chase connections across the map, and identify how they were communicating.



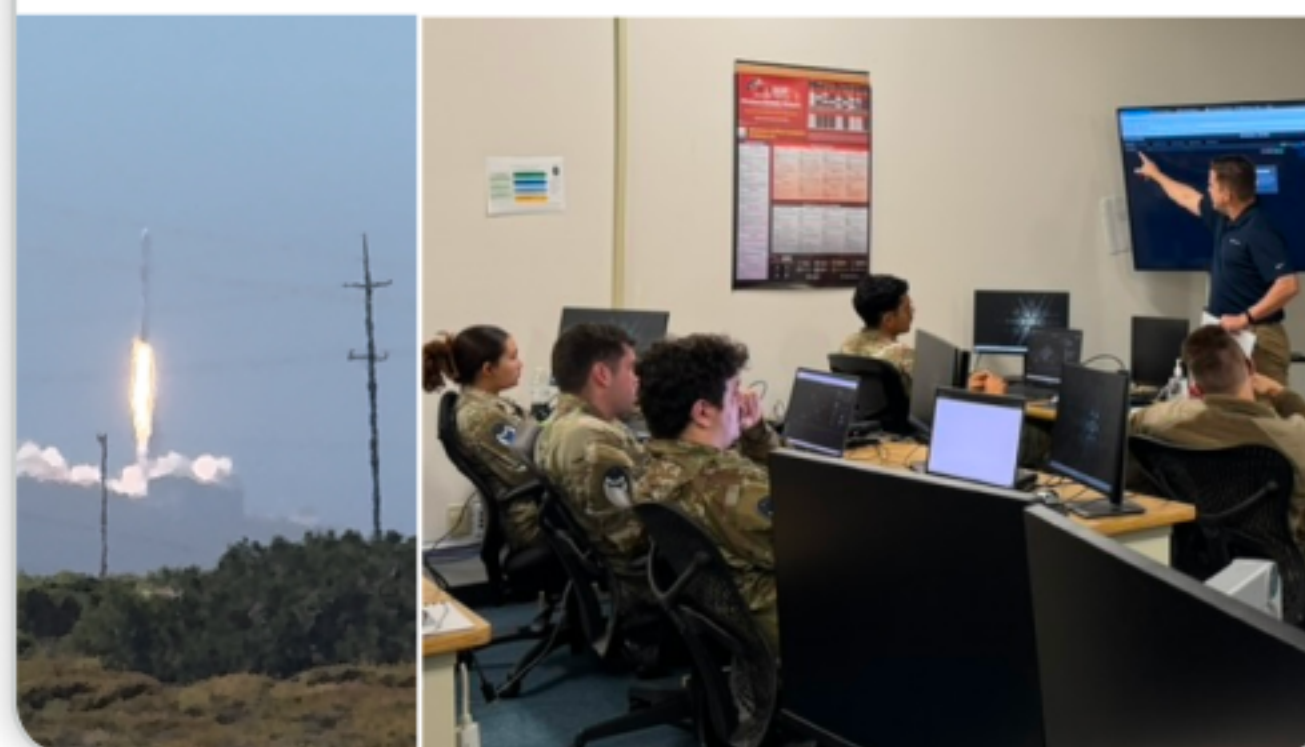
## Satellite Control Network

- Mapped IT & OT all in one map
- Discovered 200+ devices not found in the asset inventory
- Provided tap and sensor placement recommendations



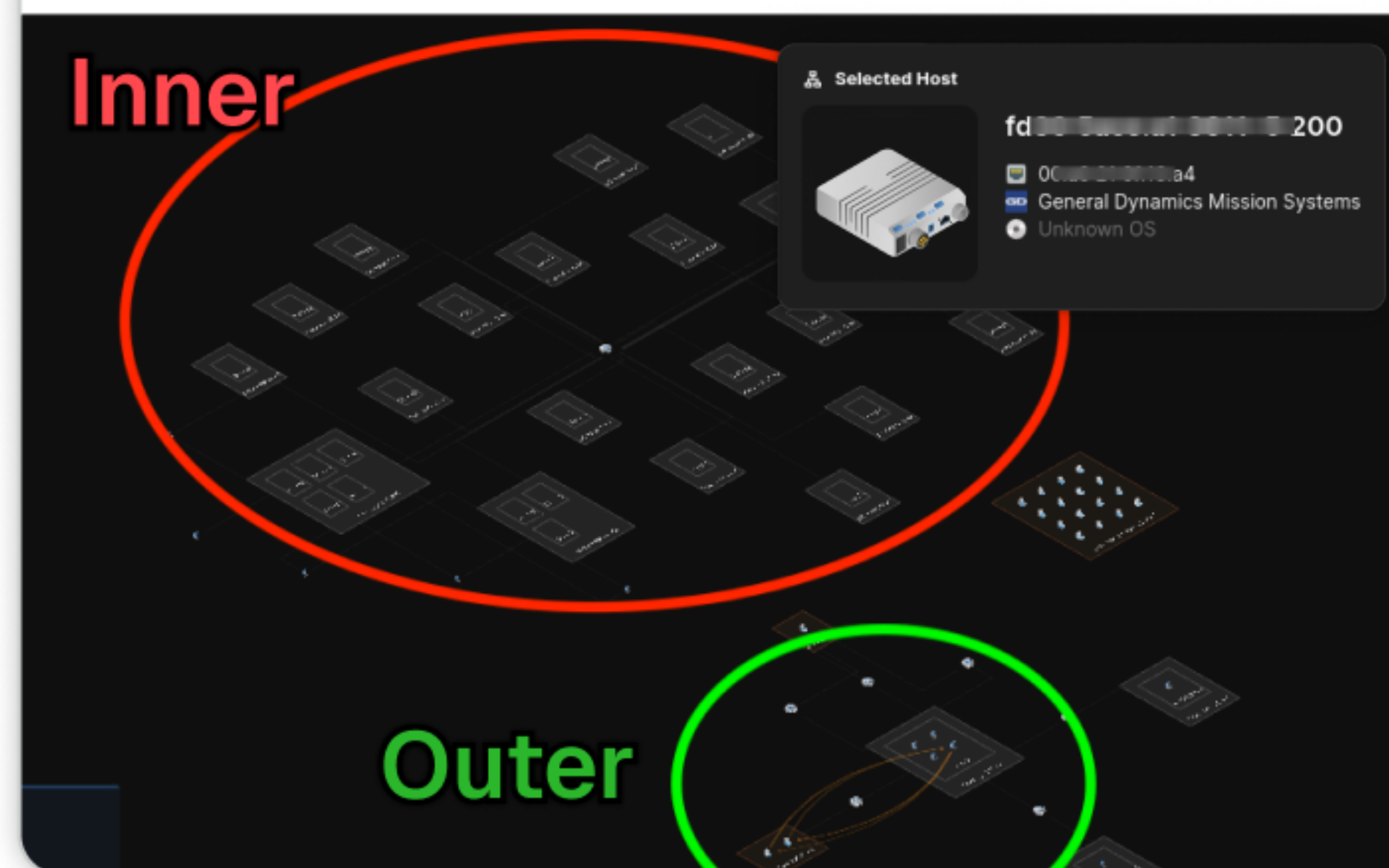
## Space Force Launch Site

- Identified Chinese IP address scanning network 30 minutes before mission launch.
- Junior operators used Teleseer to quickly validate the incident



## Validating HAIPE Device Functionality

- Discovered and verified suspicious behavior affecting critical communication devices.

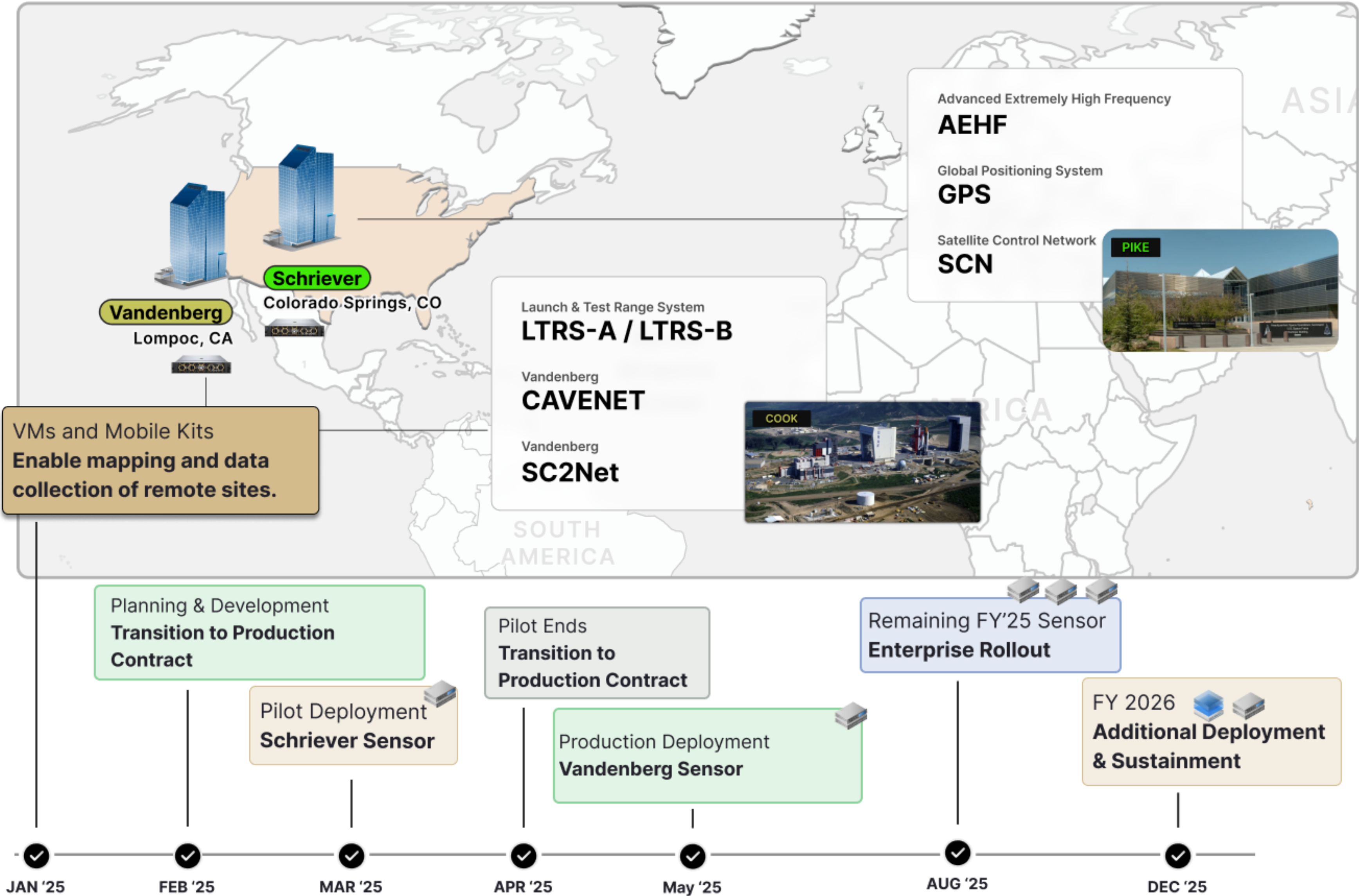




Deploying for one mission system  
(distributed, most difficult).

Operational Impact

- Discovered ~200 additional devices on the SCN not on the Asset Inventory
- Viewed OT & IT assets together on one map
- Quickly identified future sensor placements
- Found malicious IP knocking on Vandenberg gateway prior to launch
- Identified anomalous IP via OSPF Protocol
- Trained 106 Guardians and Contractors on Teleseer Training Course





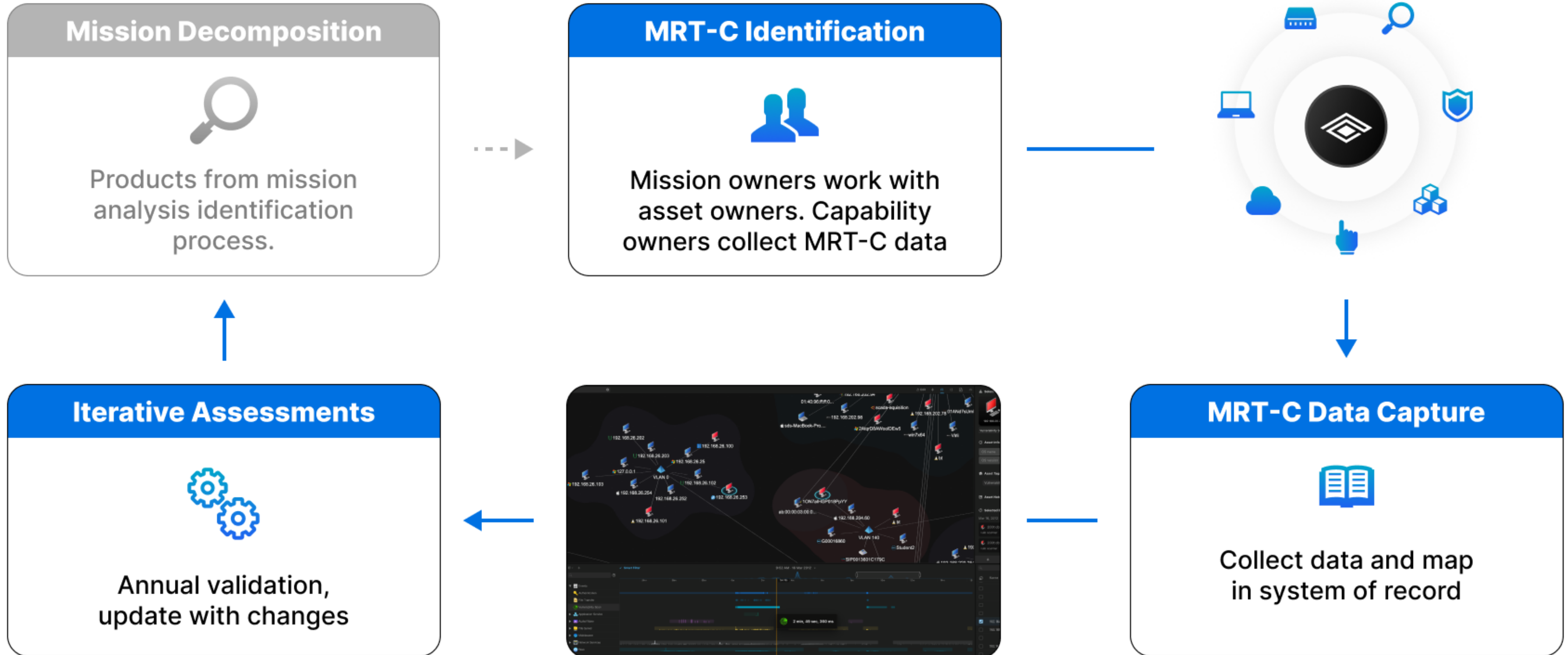
# **MRT-C**

# **Discussion**



## Mission Relevant Terrain in Cyberspace (MRT-C)

MRT-C discovery, validation, and analysis is an iterative process.





# Teleseer sees your network with more detail and fidelity than any other solution.

Networks carry thousands of protocols, apps, and devices. Yet other solutions can only see or understand a fraction of them.

Your sensor resolution limits the data that your people and their tools can even use.


How can you protect what you can't see?

144p



4K HDR






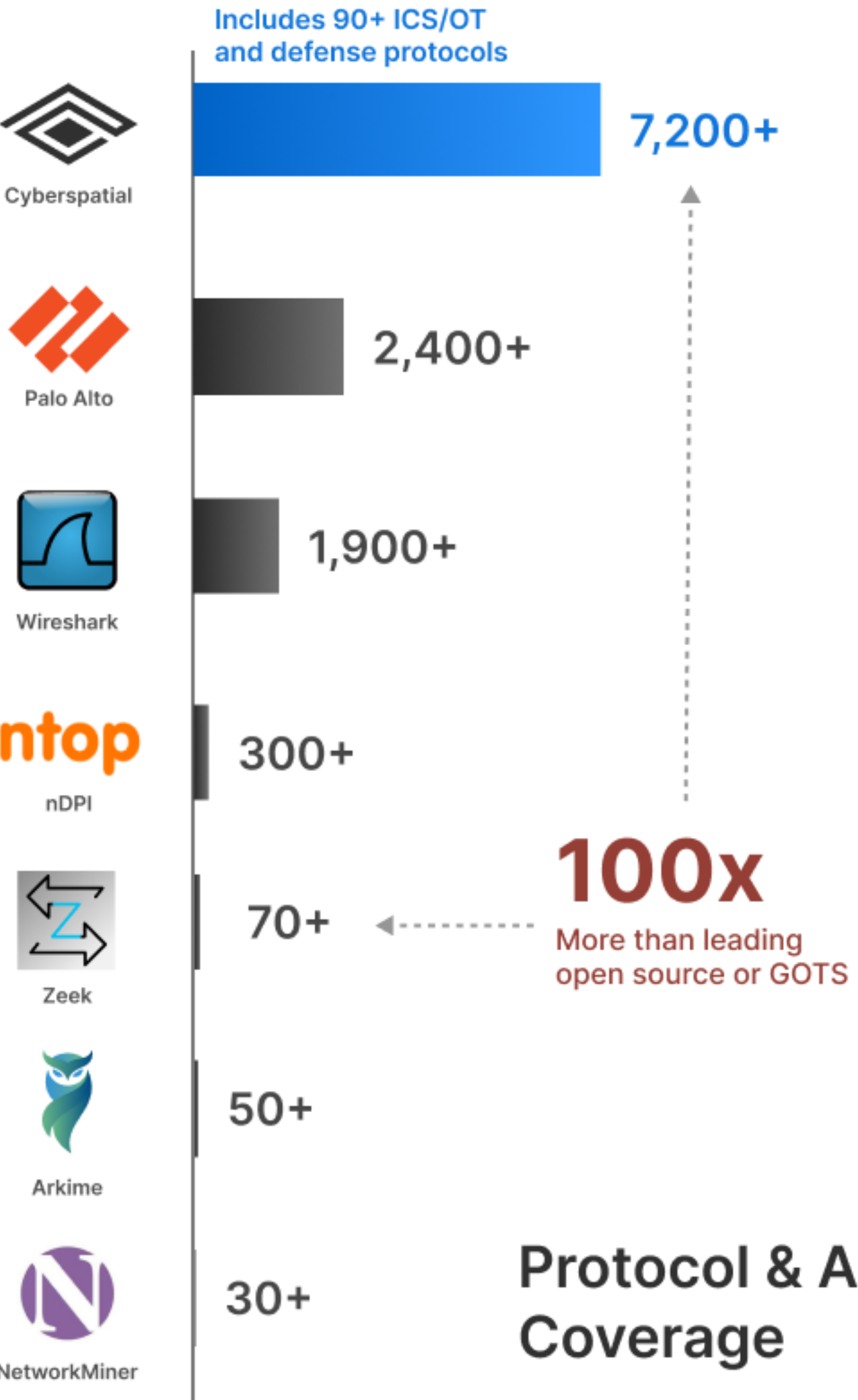
High-definition visibility means the difference between mission success and **mission disaster**.



Our technology reveals the complete picture.



Legacy tech leaves you completely blind.





**CONOPS**



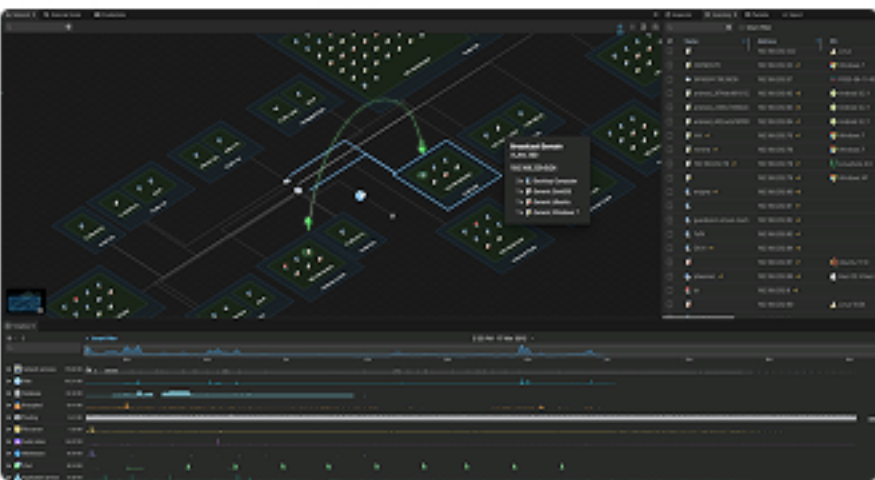
# Unified visibility for your mission-critical networks.

Teleseer is the fastest, most powerful way to map, discover, and monitor any network.

It helps you navigate your network terrain with ease, turning natively available data sources into a central source of truth.



Passive and out-of-band, with zero-disruption to the network.



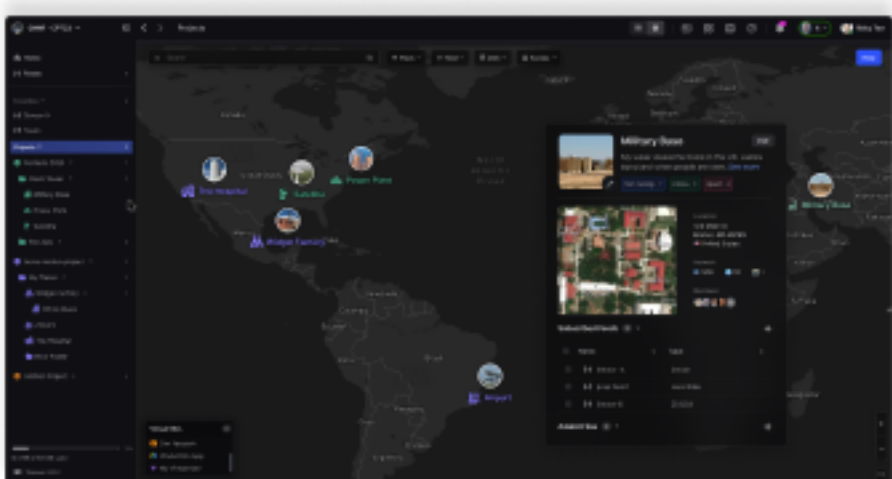
MRT-C Intelligence



Real-time Mapping and Monitoring



Continuous Asset Discovery




Mission Network Analysis



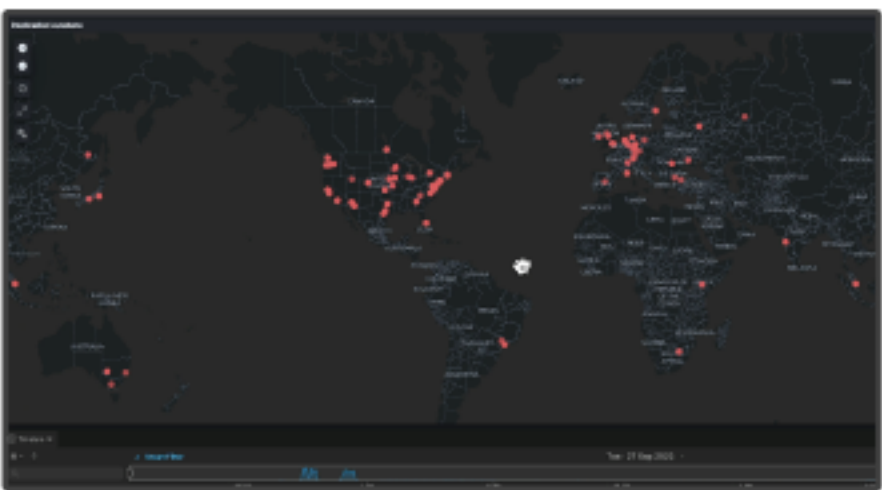
Advanced Network Forensics



**Selected by US Cyber Command as a network mapping solution for its teams.**



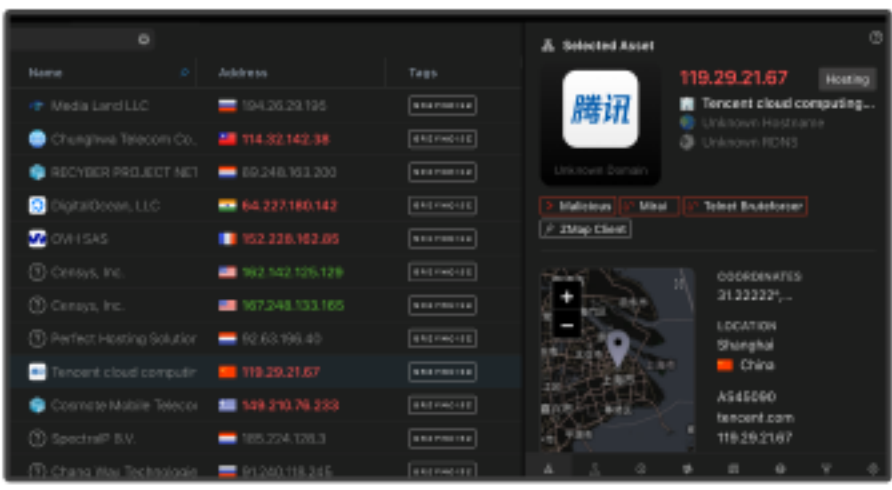
**Selected as 1 of 8 companies to provide MRT-C visibility to US Space Force.**



Vulnerability & Risk Management



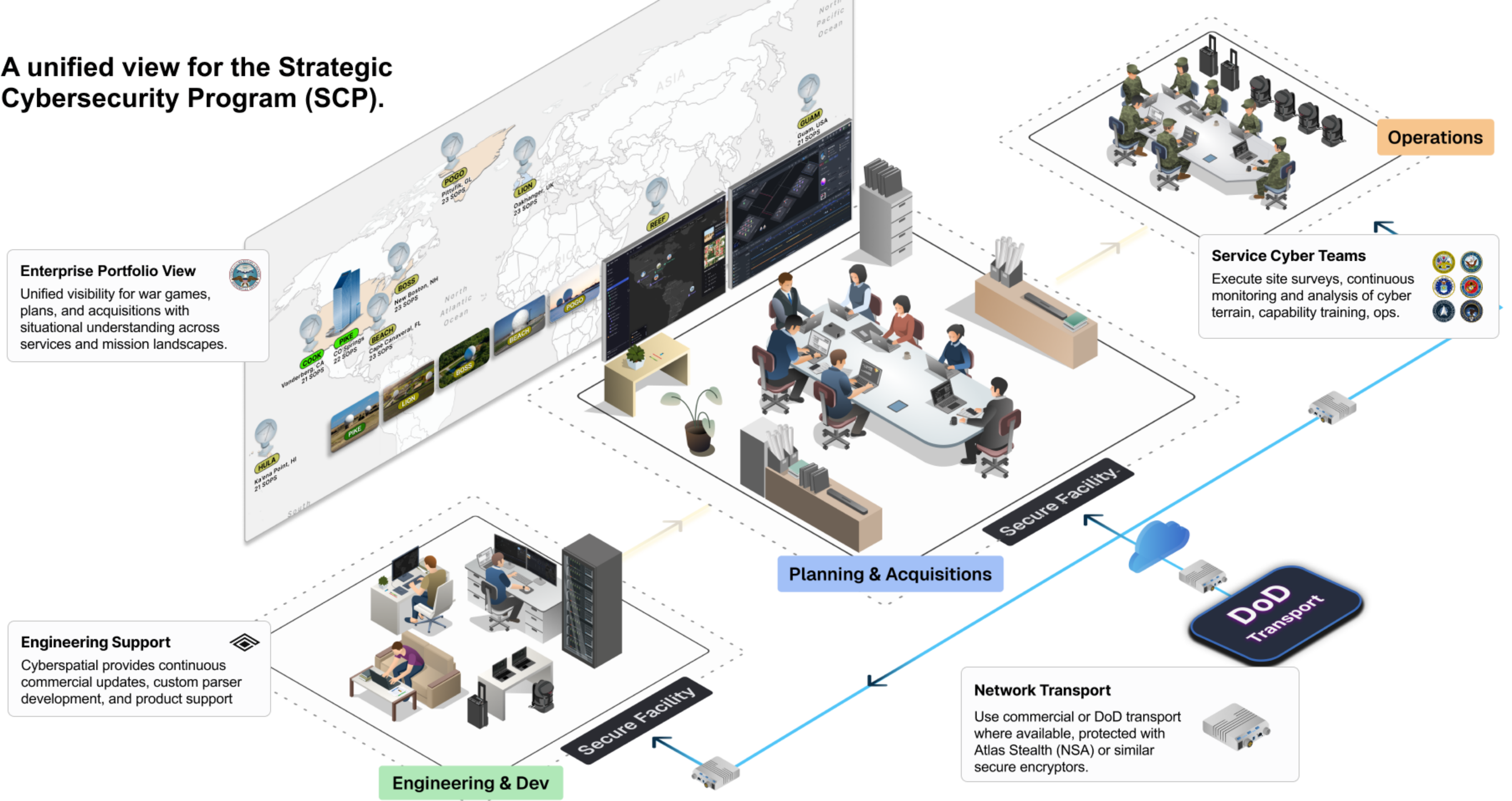
Cyber Hunt Kits



Threat Detection & Incident Response

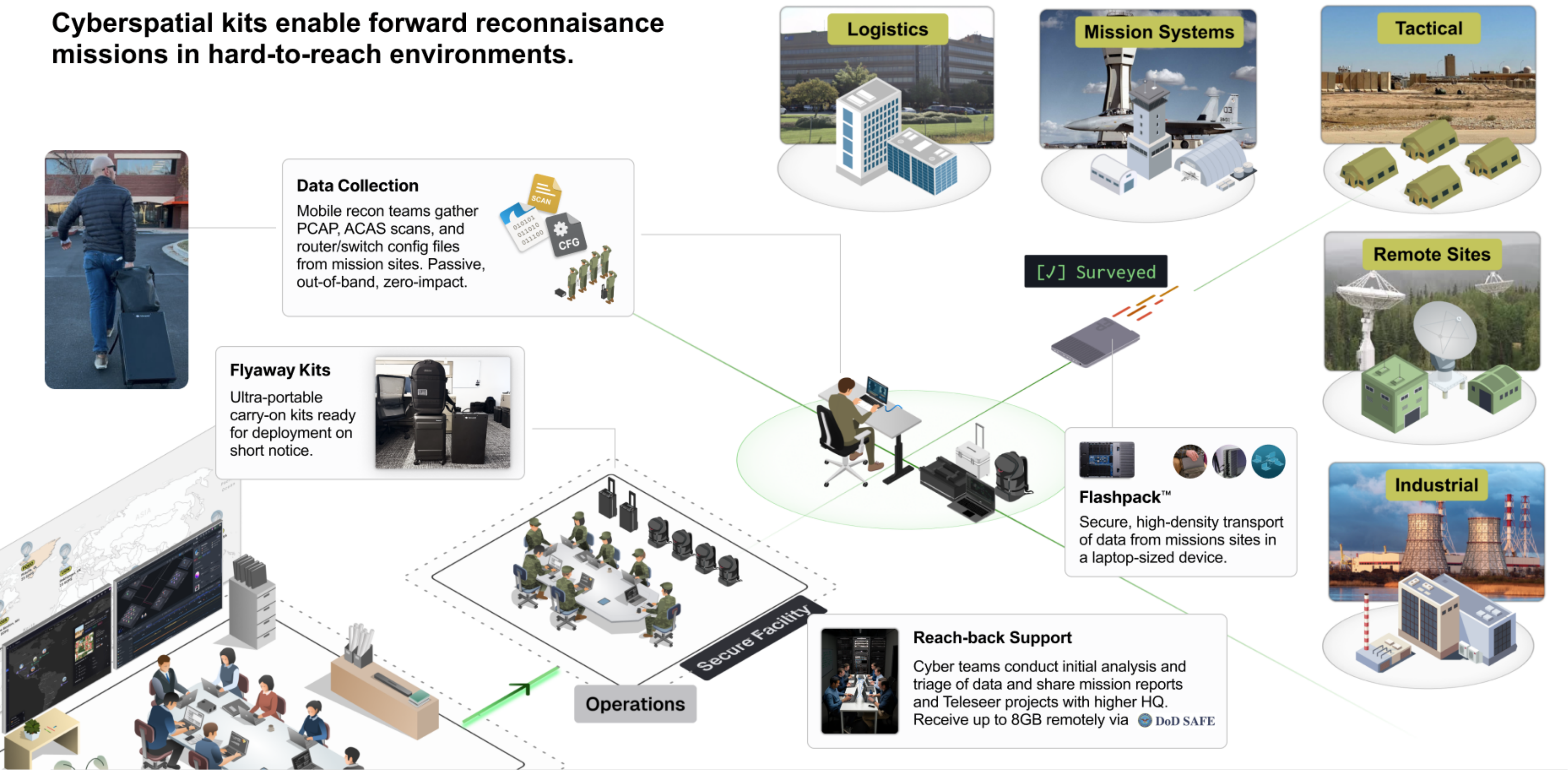


# A unified view for the Strategic Cybersecurity Program (SCP).





Cyberspatial kits enable forward reconnaissance missions in hard-to-reach environments.





## Shared understanding across classification levels with a Teleseer // AWS cloud fabric

SAP environments and transport options are also available.

