



VAE, Inc.

Twenty years of keeping DoD **ahead of the curve**

CAPABILITIES BRIEFING • 2026



**We've been quietly solving
the toughest IT challenges
facing DoD since 2006.**

DoD needs experts **to evolve IT.**



THE THREATS NEVER
STOP

12,077+

Cyber incidents in DoD systems

91

Zero trust outcomes required by
2027



DOWNTIME COSTS THE
MISSION

\$843K+

Per hour of critical downtime

40%

Of outages trace to human error



IT COMPLEXITY
KEEPS GROWING

52%

Of IT environments are cloud-based

70%+

Say network maturity hurts delivery



50%

EXPERTS

30%

SENIORS

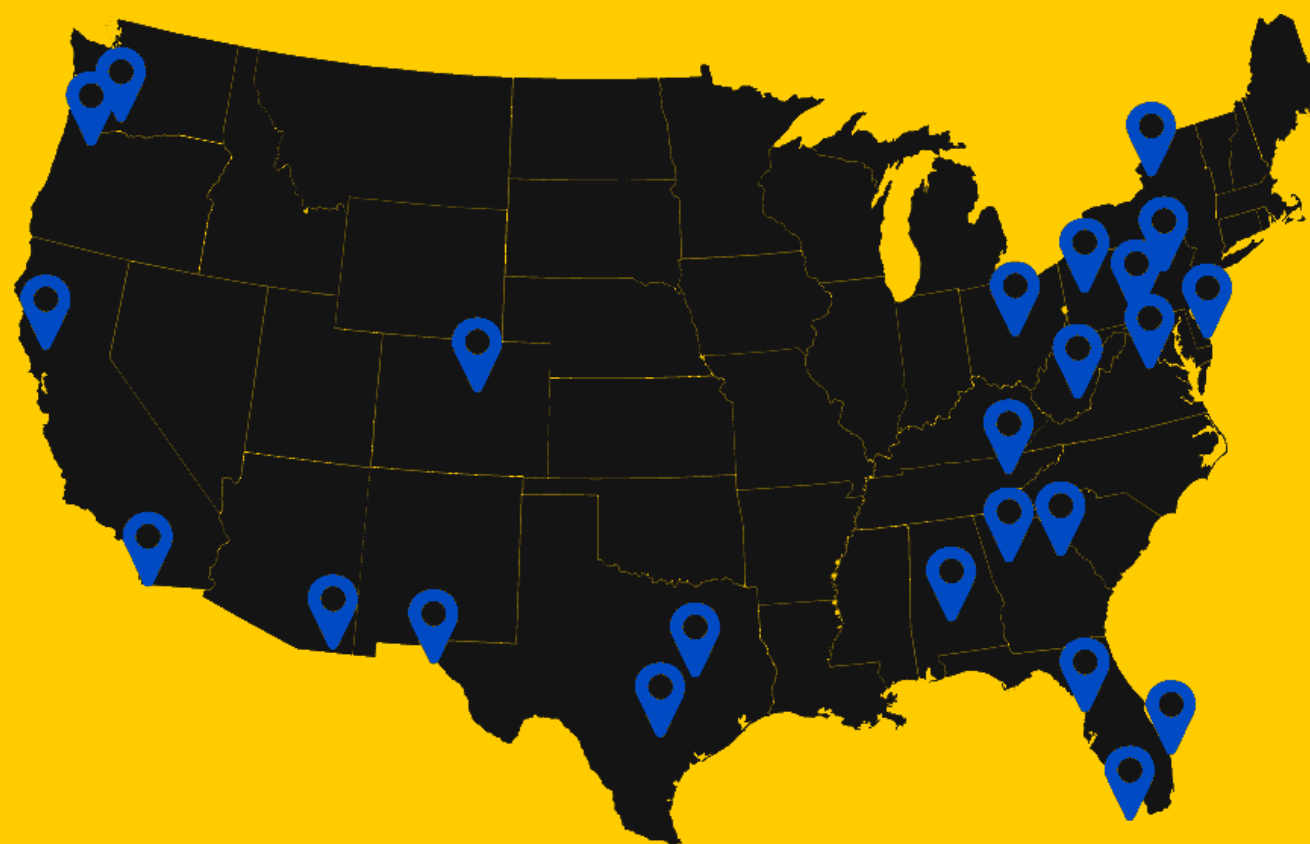
5%

MASTERS

— VAE SERVICES

Pros who get IT.

Highly-skilled, seasoned defense experts and engineers



50+
VETERANS

40%
MINORITY

25%
WOMEN

National reach, with headquarters in Springfield, VA

Trusted partners for complex programs.



ISO-certified
QUALITY PRACTICES

CMMI-appraised
ENGINEERING PROCESSES

NSA CSfC
TRUSTED INTEGRATOR

Cleared facility
SECRET OPEN STORAGE



VAE: VISION • ABILITY • EXECUTION

We solve complete problems.

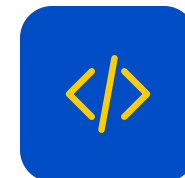
ENGINEERING

End-to-end solutions



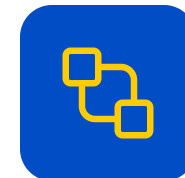
DEVELOPING

DoD-centric products



INTEGRATING

Right-fit, agnostic tech



Experts in DoD environments + needs.



Broad expertise



**Security
architecture**



**Enterprise
networking**



**Enterprise
management**



**Cyber
operations**



**Policy-based
automation**



**Environment
orchestration**



**Enterprise
governance**



**Collaboration &
unified comms**



**Systems
integrations**



**Software
development**



**Cloud &
data center**



**Emerging
technologies**



Expert integration for anything the mission needs.

FEATURED PARTNERS

FOCUS PARTNERS

TECHNOLOGY PARTNERS

NETWORK + INFRASTRUCTURE

- A10 NetworksAristaHPE Aruba NetworkingBackBoxCSPiEkahauEndaceInfobloxInfovistaKeysightLiveActionNapatechOpengear
- Ribbon CommunicationsRuckusScienceLogicSpirent

SECURITY

- AppgateCensysCIS SecureSuiteCrowdStrikeFidelisForcepointibossOPSWATSamsung KnoxSecurisTrellixTrend MicroVaronis

SOFTWARE, DATA + CLOUD

- AdobeBroadcomCommvaultDenodoHashiCorpMicrosoftNutanixOmniSSamsung Rancher Government SolutionsRed HatRedpandaStreamSets
- VeeamVMware

HARDWARE + POWER

- APCBoschCyberPowerDellDell EMCEatonsamsungHPHPEIntelSamsungSeagateVertiv

2006
Secure foundations
CHALLENGE · FRAGMENTED INFRASTRUCTURE
IMPACT · MULTI-CLASSIFICATION REBUILD
→ Built it right from zero

2012
Reliability at scale
CHALLENGE · INCONSISTENT SITES
IMPACT · STANDARDIZED ARCHITECTURES
→ Bring control to chaos

2017
Intelligent automation
CHALLENGE · MANUAL PROCESSES
IMPACT · INTELLIGENCE & AUTOMATION
→ Make impossible routine

2022
AI-powered infrastructure
CHALLENGE · ZERO TRUST MANDATES
IMPACT · AI-AUGMENTED PLATFORM
→ Evolve at mission-tempo

Timeline: 2006, 2012, 2017, 2022, 2026 →

Secure foundations

// VAE'S APPROACH

// DOD CHALLENGE

- ⚠ Critical facilities running without fully functional networks
- ⚠ Multi-agency campuses needing greenfield infrastructure across all classification levels
- ⚠ Historic installations requiring complete modernization during continuous operations
- ⚠ No standardized baseline. Every site = unique, incompatible architectures



Multi-classification architecture

Designing networks supporting NIPR, SIPR, and JWICS from the ground up



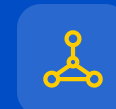
Mission-first buildouts

Engineering greenfield campuses for multi-tenant DoD and Intel collaboration



Zero-disruption modernization

Upgrading legacy facilities to high-bandwidth infrastructure without downtime



Interoperable designs

Deploying architectures that deliver maximum reliability and enhanced security

MISSION IMPACT

When DoD needed to rebuild from catastrophe or construct new strategic facilities, we established secure, scalable, multi-classification foundations that enable operations from day one, and still power critical missions today.

Reliability at scale

// VAE'S APPROACH

// DOD CHALLENGE

- ⚠ Installations operating with inconsistent, site-specific architectures
- ⚠ Disparate security policies across agencies creating vulnerability gaps
- ⚠ Limited bandwidth and unstable performance degrading mission effectiveness at global scale
- ⚠ No enterprise visibility. Troubleshooting required site visits + manual investigation



Enterprise architecture frameworks

Agency-level standards and customer segmentation over shared infrastructure for multi-tenant operations



Global standardization

Consistent high-bandwidth architectures across global installations



Consolidated security

Unifying hundreds of unique implementations into redundant, policy-compliant stacks



Centralized visibility

Enterprise-wide monitoring for rapid issue identification and resolution

MISSION IMPACT

We turned impossible-to-manage complexity into enterprise-wide control: consistent security, reliable performance, and the foundation that made cloud migration and modern operations achievable across DoD.

Intelligent automation



// DOD CHALLENGE

- ⚠️ Slow, error-prone network management unable to keep pace
- ⚠️ Operators had no reliable way to know what existed or how it connected
- ⚠️ Massive modernization required zero downtime
- ⚠️ Shrinking teams managing exponentially more complex environments
- ⚠️ Networks collapsing under complexity manual processes couldn't resolve

// VAE'S APPROACH



Intelligent discovery

Remotely deployable tools revealing accurate network state without physical surveys



Zero-downtime methodology

Parallel deployments enabling massive replacement without mission impact



Automation-first operations

Cutting manual tasks by orders of magnitude so small teams run at enterprise scale



Network intelligence platform

Advanced ITPIE development: network truth for planning, security, and operations



Automated configuration management

Enforcing separation, policies, access and controls at global scale

MISSION IMPACT

When speed and accuracy became survival requirements, our automation let lean DoD teams do what once took armies of contractors. Operators now ask for these capabilities before attempting complex migrations.



AI-powered networking

// VAE'S APPROACH

// DOD CHALLENGE

- ⚠️ Zero trust mandates require total network transformation by 2027
- ⚠️ Can't support dynamic security requirements and emerging threats
- ⚠️ Legacy architectures limit modern security frameworks
- ⚠️ Intent-based networking demands outpace manual capabilities
- ⚠️ Aging infrastructure needs wholesale modernization without disruption
- ⚠️ Adversaries exploit gaps between policy intent + actual configs



ITPIE Platform maturity

IT intelligence + automation built for DoD environments, including classified enclaves



AI-augmented operations

Model a change before it's pushed



Zero trust enablement

ZTA transformations supporting all 91 required capability outcomes



Natural language interface

Operators query networks conversationally



Rapid modernization toolsets

Faster, more accurate surveys through software-enabled discovery



DevSecOps integration

Faster capability delivery with security compliance intact

MISSION IMPACT

We're future-proofing DoD networks today, with AI-augmented automation that lets operators model a change before it's pushed.

Three tools. **One platform.**

Built by VAE engineers for DoD: tools to find, govern and question your network, on a hardened platform that runs inside your enclave.



KNOW YOUR IT

Finds and maps every device on your network and keeps that picture current.

Discovery

Dashboard



TRUST YOUR IT

Keeps every device on its golden config, and proves it.

Source of truth

Security

Lifecycle



ASK IT ANYTHING

Closed-environment AI on your data, bundled with Polaris products.

Intelligence (AI)



RUN IT AS ONE

Every deployable ITPIE product, pre-integrated on one hardened appliance.

Dashboard

Discovery

Source of truth

Lifecycle

Events

Ticketing integration

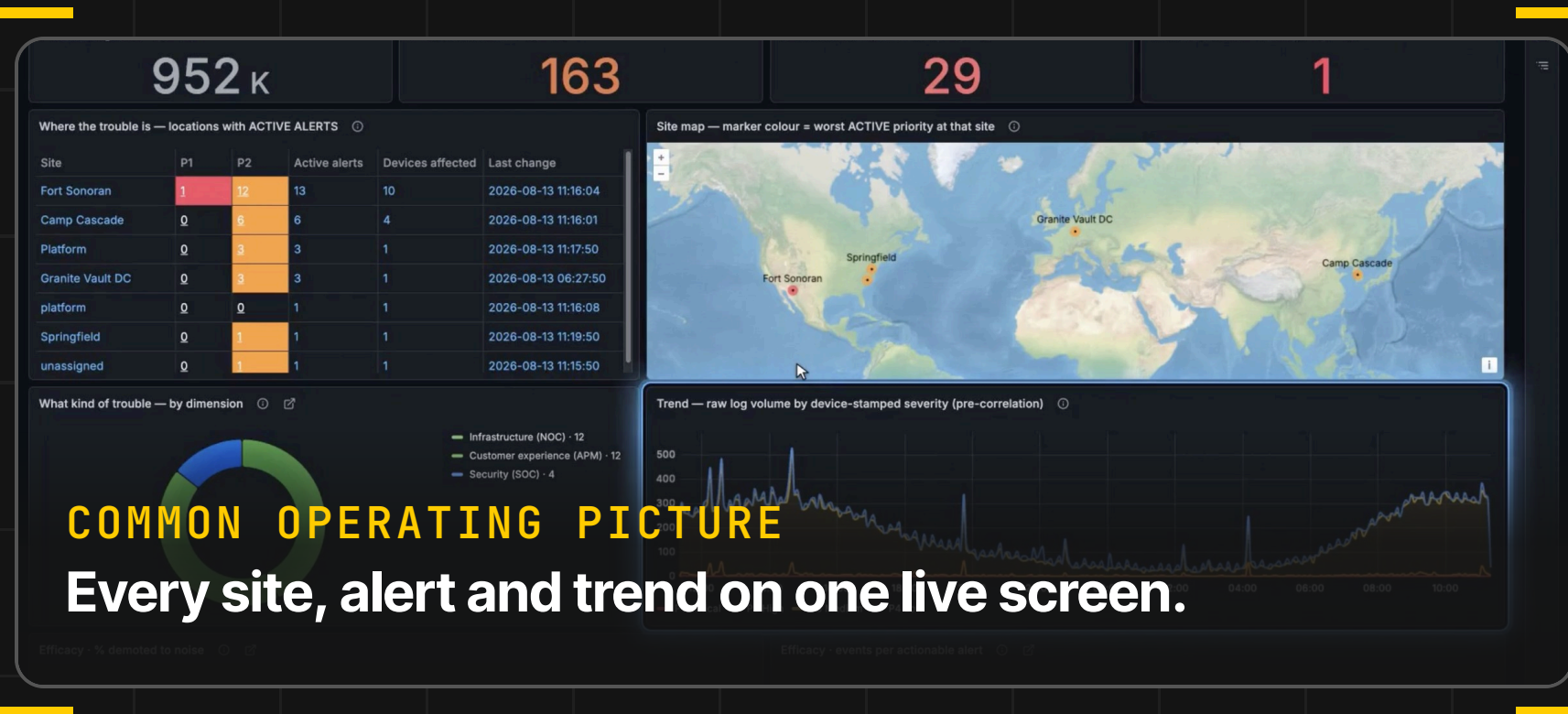
Security

Intelligence (AI)

Also in the suite: Foresight (modeling and failure simulation) · Cascade (events) · Mural (common operating picture) · Hydrator (onboarding and offboarding)

START WITH ONE PRODUCT, OR RUN THE WHOLE PLATFORM · BRIEFS: [ITPIE.COM/RESOURCES](https://itpie.com/resources)

One platform to evolve your IT.



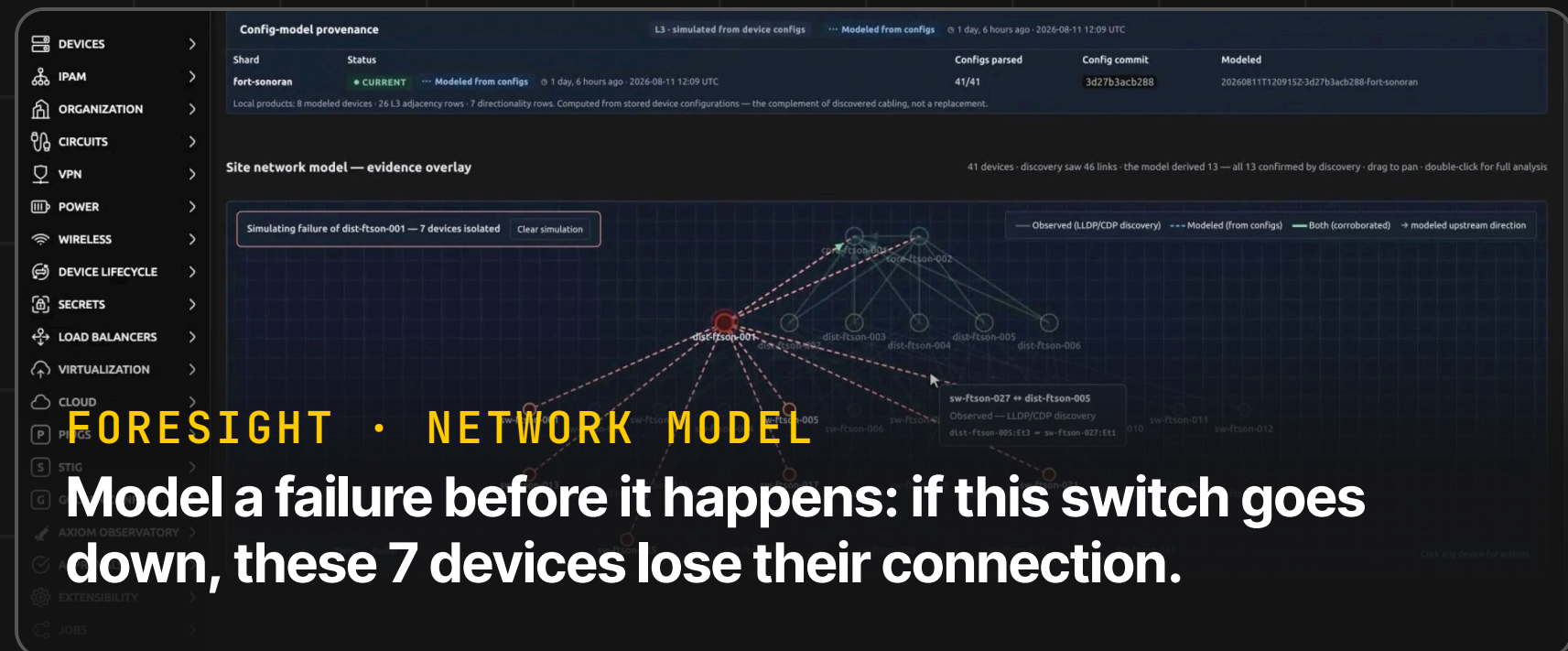
COMMON OPERATING PICTURE

Every site, alert and trend on one live screen.



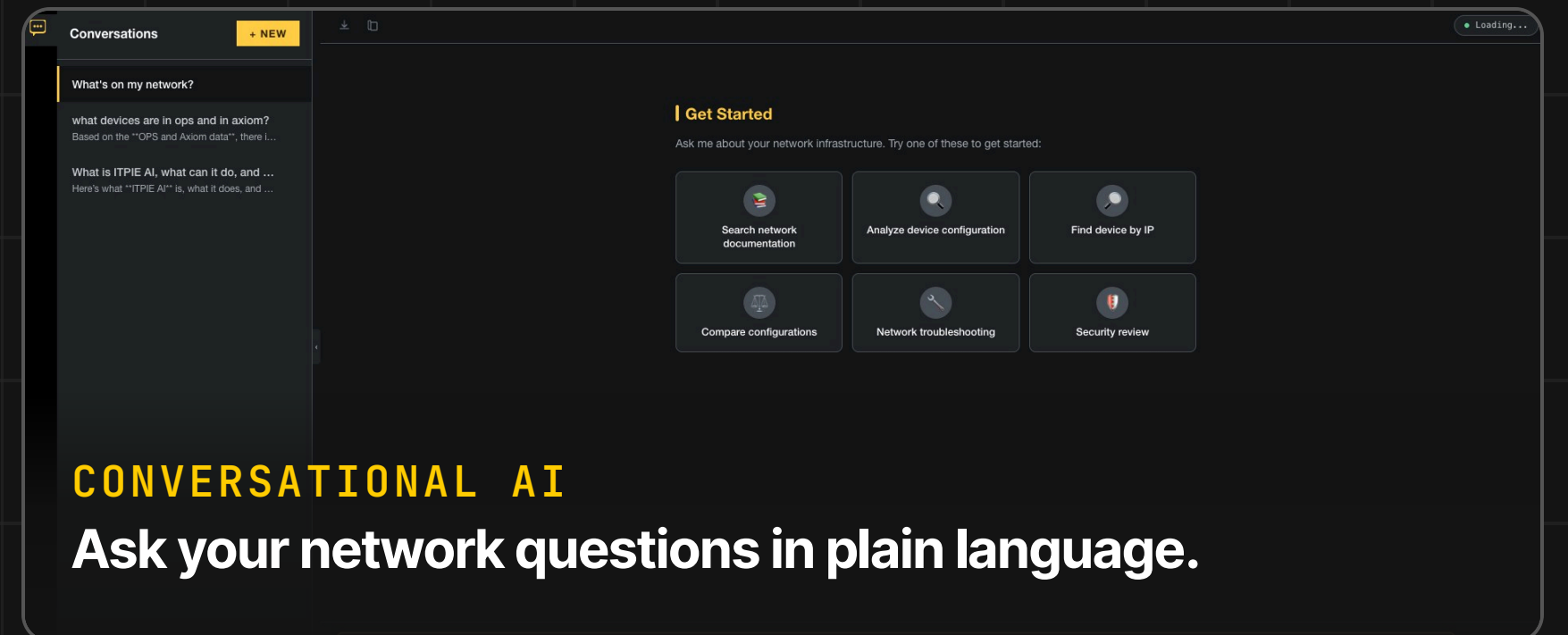
EVERY TOOL, ONE SIGN-IN

Operate, defend and ask AI from one sign-in.



FORESIGHT · NETWORK MODEL

Model a failure before it happens: if this switch goes down, these 7 devices lose their connection.



CONVERSATIONAL AI

Ask your network questions in plain language.

ITPIE > Enterprise Tools

DOD REQUIREMENT

Air-gapped operations

Collection past VPNs + DMZs

Army-scale validation

AI for classified networks

STIG-hardened appliance, SBOM included

DoD-proven

ITPIE PLATFORM

✓ Full offline capability

✓ Atlas Agent remote collector

✓ 13+ years on Army networks

✓ Runs inside the enclave

✓ FIPS + STIG, CycloneDX SBOM

✓ Active installations

COMMERCIAL TOOLS

✗ Internet required

✗ Stops at boundaries

✗ Enterprise-only

✗ Cloud-hosted models

✗ You harden and document it

✗ Lack military validation

Proven in the field

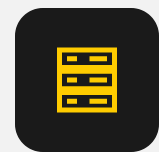
VAE + ITPIE has creatively engineered network transport, security, and unified communications solutions for federal programs in "impossible" situations, with unprecedented success.



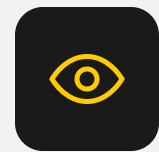
Enterprise cyber architecture

Real-time threat isolation: **hours to minutes.**

THE SITUATION



250+ sites with unique cyber policies = manual, inefficient ops



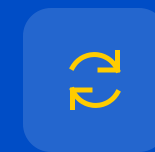
No visibility into policy exceptions + front doors = blind to threats



Defensive cyber ops = hours to pinpoint compromised IPs



THE FIX



Automated Layer 2/3 config collection + normalization



Consolidated to 15 redundant collection points, with real-time visibility



Integrated SIEM for instant centralized threat correlation + <10-min response

OUTCOME

FUBAR security response. → Mission-ready DCO.

Centralized cyber ops, enterprise visibility.

94%

NIPR VISIBILITY IN 4 MONTHS

5,960

IPS DISCOVERED

250+

SITES CONSOLIDATED

<10 min

THREAT RESPONSE, FROM HOURS

Zero

MISSION-CRITICAL FAILURES



Network modernization

85,000 switches. Zero downtime. \$12M saved.

THE SITUATION



The **largest modernization** in military history



100+ sites with unique configs, naming + network design



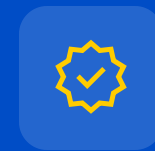
Limited site access, zero downtime allowed



THE FIX



Remote site discovery for on-time delivery, one survey per location



Standardized architecture with 99% accuracy across configs, materials + assets



Parallel product + services method = hot-cut migrations without downtime

OUTCOME

Impossible made routine. No more SNAFU incidents.

Army NETMOD, by the numbers.

\$12M+

SAVED VS. TRADITIONAL

85,000+

NETWORK SWITCHES

Zero

MISSION DISRUPTIONS ACROSS NETMOD

99%

CONFIGURATION ACCURACY

115+

INSTALLATIONS GLOBALLY

16+

SITES MIGRATED PER YEAR

**// NETMOD engineers will not
migrate a base without ITPIE."**

ARMY ENGINEERING
LEADERSHIP

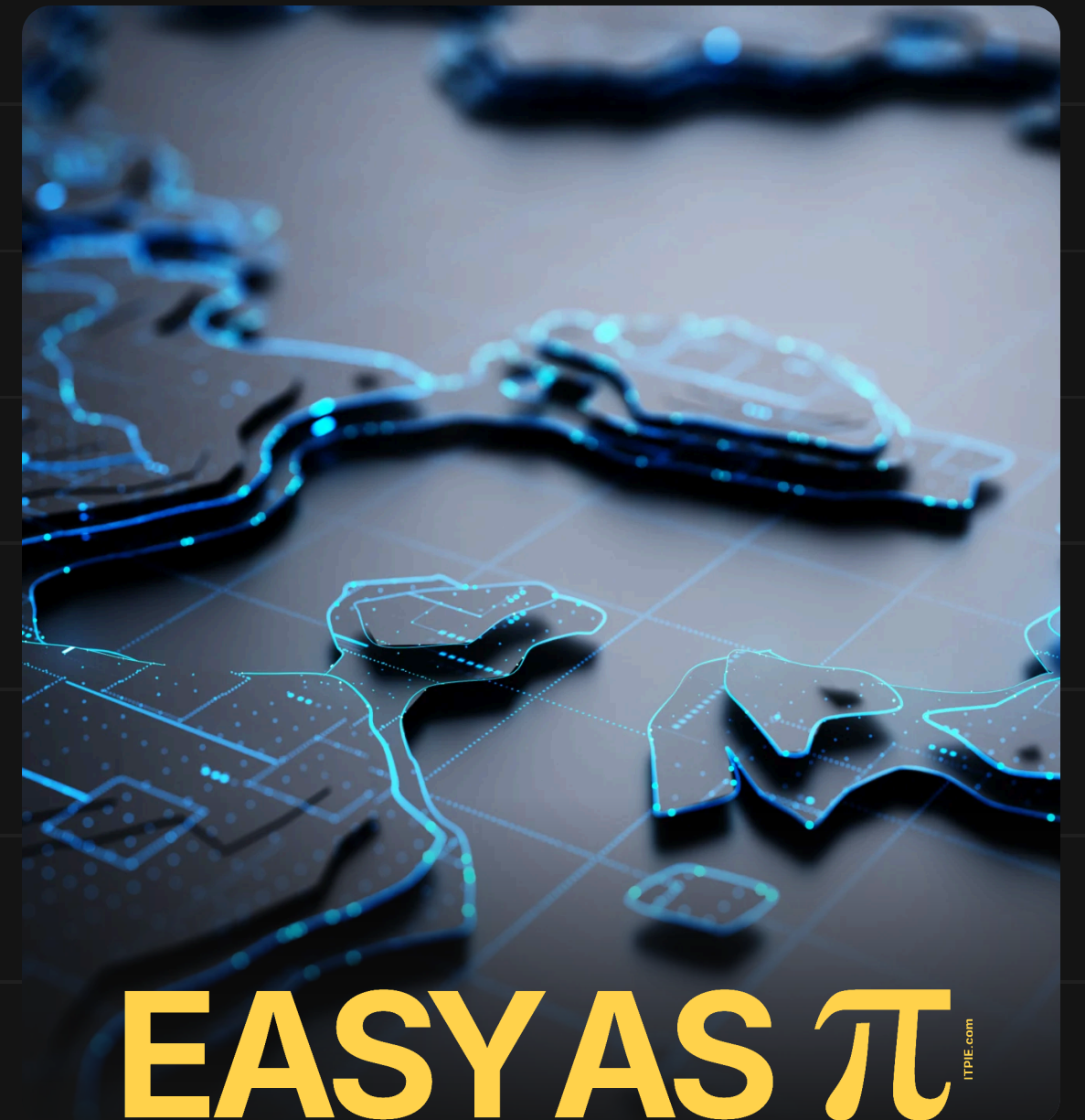
Army's NETMOD success = enabled by ITPIE.

// THE MISSION

Modernize the Army's entire network infrastructure without operational disruption.

// ITPIE RESULTS

- **Full remote inventory** without physical survey
- **On time, on budget** delivery
- **Zero mission disruptions**
- **Fraction of the cost** of alternatives

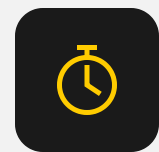


Unified communications

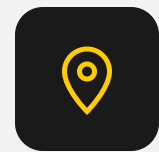
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80,000 users. One migration. Zero dropped calls.

THE SITUATION



Infrastructure **25 years behind** → expensive + impossible to scale



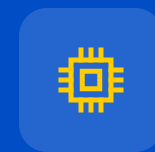
Zero mobility → desk phones, area codes, long distance, busy signals



Comms blackout = mission failure in zero-tolerance environments



THE FIX



Software-based unified comms at local, regional + global scale, keeping hard handsets



Phased migration from legacy analog to **fully integrated unified comms** → **zero disruption**



Custom solutions for unique environments → medical facilities, ranges, training fields

OUTCOME

No comms = no mission. We kept every pipe flowing.

Voice, video, collaboration, fully integrated.

64k+

IP PHONES DEPLOYED

300k+

USER CAPACITY

30k+

ANALOG PHONES TO VOIP

Zero

DISRUPTION IN CUTOVER

100k+

VOICEMAIL MAILBOXES

100%

LINES KEPT UP THROUGH THE REBUILD



We do IT better.

VAE brings the difference of **expert engineering, made-for-DoD tools, and end-to-end solutions.**

ITPIE is a **DoD-proven IT intelligence, management & automation platform** built for mission-critical operations.

sales@itpie.com



Current contracts

NASA SEWP VI
80TECH26D0507

NASA SEWP V
NNG15SC94B

DoD ESI Cisco
NNG15SC94B • SEWP V

DoD ESI Palo Alto
NNG15SC94B • SEWP V

ITES-4H
W519TC25DA029

ITES-3S
W52P1J-18-D-A053

GSA MAS Schedule
GS-35F-501CA

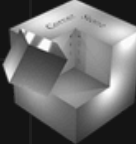


— OTHER TRANSACTION AUTHORITY



Current OTA Consortia.

SOSSEC | THE SYSTEM
OF SYSTEMS
CONSORTIUM

 **CORNERSTONE**
Cornerstone of the American Military
competitive edge

 **C5**
Consortium for Command, Control
and Communications in Cyberspace

IWRP
INFORMATION WARFARE RESEARCH PROJECT
CONSORTIUM

ARMY
CHESS 
COMPUTER HARDWARE,
ENTERPRISE SOFTWARE AND SOLUTIONS

 **DEVCOM**
DEV
CENTER

Learn more about **VAE + ITPIE**

 **ITPIE Products
Overview Brief**

 **ITPIE Atlas Product
Brief**

 **ITPIE Fulcrum Product
Brief**

 **Capabilities Briefing:
VAE + ITPIE Solutions
and Program Stories**

 **ITPIE Polaris Platform
Overview Brief**

 **ITPIE Axiom Product
Brief**

 **Videos: ITPIE in 2-min,
3-min ITPIE demo**

 **Case Study:
Army NETMOD
Modernization**



SCAN FOR BRIEFS + DEMOS

TAKE THE NEXT STEP →

See ITPIE's power in a live demo.

sales@itpie.com

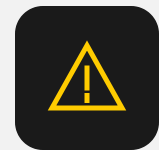
Appendix

Global enterprise optimization

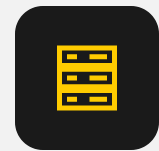
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19 million routes → 99% stability

THE SITUATION



Fortune 500 FinTech network: brittle, unresponsive, constant outages



19M routes propagating on backbone: devices past capacity



Seconds of downtime = millions lost + regulatory fines



THE FIX



Automated discovery and surgical mitigation without risk to day-to-day ops



Global Integrated Network (GIN): optimized topology, simpler routing, lower MTTR



Multi-vendor SASE/SD-WAN for 50k remote workers

OUTCOME

Inherited a Charlie Foxtrot. Delivered a finely tuned machine.

A global network, tuned and stable.

65k+

CRITICAL SYSTEMS MOVED

50k+

EMPLOYEES ON SASE

70+

GLOBAL MIGRATIONS

99%

FEWER BACKBONE ROUTES

90%

FEWER NETWORK OUTAGES

45+

MONTHS IMPROVING, AND COUNTING