



VAE, Inc.

Capabilities Briefing

2026



We've been
quietly solving
the **toughest IT**
challenges facing
DoD for 20 years.





50% EXPERTS

30% SENIORS

5% MASTERS

Highly-skilled. Seasoned.

Pros Who Get IT.

50+ Veterans

40% Minority

25% Women



= Direct Senior+ Value to Customers

Trusted Partners for Complex Programs



We Solve Complete Problems



Engineering
End-to-End Solutions



Developing **DoD**
Centric Products



Integrating Right-fit
Agnostic Tech

Expert-Designed for DoD needs.

Broad Expertise



**Enterprise
Mgmt & Visibility**

**Security
Architecture**

**Enterprise
Networking**

**Cyber
Operations**

**Collaboration &
Unified Comms**

**Policy-based
Automation**

**Environment
Orchestration**

**Enterprise
Governance**

**Systems
Integrations**

**Software
Development**

**Cloud &
Data Center**

**Emerging
Technologies**

Keeping DoD Ahead of the Curve for 20+ Years

Secure Foundations

Challenge: Fragmented infrastructure

Impact: Multi-classification rebuild

→ Built it right from zero

Reliability At-Scale

Challenge: Inconsistent sites

Impact: Standardized architectures

→ Chaos to control

Intelligent Automation

Challenge: Manual processes

Impact: Intelligence & automation

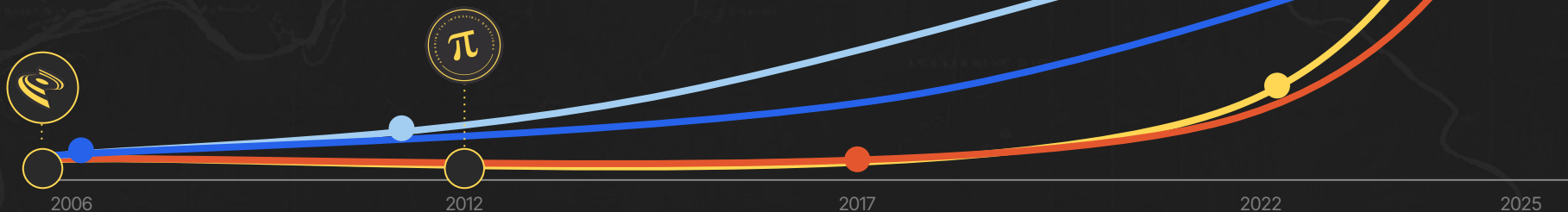
→ Make impossible routine

AI-Powered Networking

Challenge: Zero trust mandates

Impact: AI-augmented platform

→ Speed of thought operations



Engineering + Tech + Products to Evolve at Mission Speed

Innovation Era 1: **Secure Foundations**

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**

VAE's Approach

- ✓ **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 — **laying the infrastructure that's still powering critical missions today.**

Innovation Era 2: **Reliability At-Scale**

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

VAE's Approach

- ✓ **Enterprise architecture frameworks** → Establishing agency-level standards and customer segmentation over shared infrastructure for multi-tenant operations
- ✓ **Global standardization** → Deploying consistent high-bandwidth architectures across global installations
- ✓ **Consolidated security** → Unifying hundreds of unique implementations into redundant, policy-compliant stacks
- ✓ **Centralized visibility** → Implementing enterprise-wide monitoring enabling rapid issue identification and resolution

**Mission
Impact**



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

Innovation Era 3: **Intelligent Automation**

DoD Challenge

- ✗ **Slow, error-prone** network management was **unable to keep pace**
- ✗ Operators had **no reliable way to know what existed** or how everything connected
- ✗ **Massive modernization** required **zero downtime**. Traditional approaches = unacceptable disruption
- ✗ **Shrinking teams** managing exponentially more **complex, distributed environments**
- ✗ Networks **collapsing under complexity** that manual processes couldn't resolve

VAE's Approach

- ✓ **Intelligent discovery** → Developing remotely-deployable tools revealing accurate network state without physical surveys
- ✓ **Zero-downtime methodology** → Engineering parallel deployments enabling massive infrastructure replacement without mission impact
- ✓ **Automation-first operations** → Reducing manual tasks by orders of magnitude, enabling small teams to operate at enterprise scale
- ✓ **Network intelligence platform** → Advanced ITPIE feature development, enabling network truth for planning, security, and operations
- ✓ **Automated Network Configuration Management** → Enforcing separation, policies, access and controls — reliably, at global-scale

Mission Impact



When speed and accuracy became survival reqs, our **intelligent automation enabled lean DoD teams to accomplish what previously required armies of contractors**. The transformation proved so effective that operators request these capabilities before attempting complex migrations.

Innovation Era 4: **AI-Powered Networking**

DoD Challenge

- ✕ Zero trust mandates require **total network transformation** across all networks by 2027
- ✕ Cannot support **dynamic security requirements** and emerging threats
- ✕ **Constrained legacy architectures** limit modern security framework adoption
- ✕ **Intent-based networking demands** far outpace manual capabilities
- ✕ **Aging infrastructure** requiring **wholesale modernization** without disruption
- ✕ Sophisticated **adversaries exploiting** gaps between **policy intent + actual configs**

VAE's Approach

- ✓ **ITPIE Platform maturity** → Operating DoD-approved network intelligence and automation, at-scale across all classifications
- ✓ **AI-augmented operations** → Transforming operator intent into validated, reliable configurations through machine learning
- ✓ **Zero trust enablement** → Architecting ZTA framework transformations supporting all 91 required capability outcomes
- ✓ **Natural language interface** → Enabling operators to query networks conversationally, receiving expert-level analysis and recommendations
- ✓ **Rapid modernization toolsets** → Reducing survey time and increasing accuracy through software-enabled discovery
- ✓ **DevSecOps integration** → Accelerating capability delivery while maintaining security compliance through continuous integration

Mission Impact



We're future-proofing DoD networks today—delivering AI-augmented automation that transforms operator intent into network action at mission speed. Any operator can now make expert-level decisions when lives depend on immediate, accurate response. This is the platform we're using to power mission-critical DoD networks right now.



Integrated tools for **complete network intelligence** + **reliable enterprise automation**

MISSION-CRITICAL NETWORK INTELLIGENCE

OPS Collection & Discovery

Gives you the truth

Axiom Automation

Translates intent to config

AI Augmentation

Makes it conversational

Made for DoD. Designed for Operators.

Why ITPIE vs. Everyone Else

DoD Requirement	ITPIE OPS + Axiom + AI	Commercial Tools
⊖ Air-gapped operations	✓ Full offline capability	✗ Internet required
⊖ Cross-domain mapping	✓ HAIPes integration	✗ Stops at boundaries
⊖ Global-scale validation	✓ All-terrain collection	✗ Enterprise-only
⊖ Natural language AI	✓ Conversational interface	✗ Complex commands
⊖ Mission-speed performance	✓ Sub-second response	✗ Slow during crises
⊖ DoD tested and approved	✓ Active installations	✗ Lack military validation

Bottom line: Only ITPIE delivers on every DoD requirement

Integrating **Whatever** the Mission Needs



We Bring the
Best Tech
for DoD

Mandates + Missions



Current Contracts

NASA SEWP V

Contract: NNG15SC94B

DOD ESI Cisco

Contract: NNG155C94B

DOD ESI Palo Alto

Contract: NNG155C94B

USSOCOM CRADA

CRADA: USSOCOM-SOF AT&L-ST -20-01-ST127

ITES-4H

Contract: W519TC25DA029

ITES-3S

Contract: W52P1J-18-D-A053

GSA MAS Schedule

Contract: GS-35F-501CA

DLA TLSP - Approved Supplier via ADS

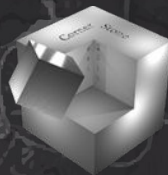
Contract: SPE8EJ-21-D-0020



Current OTA Consortia

SOSSEC

THE SYSTEM
OF SYSTEMS
CONSORTIUM



CORNERSTONE

Cornerstone of the American Military
competitive edge



Consortium for Command, Control
and Communications in Cyberspace

IWRP

INFORMATION WARFARE RESEARCH PROJECT
CONSORTIUM



DoD Needs **Experts to Modernize Safely**

12,077+ cyber incidents in DoD systems

91% = no date of discovery

91 ZTA capabilities outcomes required by 2027

150% surge in China cyber ops

52% IT enviros cloud-based

\$843,360+ = per hour cost of critical network downtime

12-15 hours annual downtime

70%+ of enterprises report network maturity negatively affects delivery

40% outages = human error



We do IT better

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



ITPIE is the only **proven**, DoD-scale
network intelligence & automation
platform built for mission-critical ops



Project Highlights

Creatively engineering network transport, security, and unified communications solutions for federal customers



► Success Story

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 architecture** to 15 redundant collection points, **with real-time visibility**
- ✓ Integrated SIEM for **instant centralized TI correlation + <10-min threat response**

**Enterprise Cyber
Architecture
Transformation**

FUBAR security response → **mission-ready DCO**

Mission Impact

**"Engineers will not migrate
a base without ITPIE"**

- Army Engineering Leadership

94% visibility on NIPR (in 4 months)

**Centralized
Cyber Ops** for efficiency
+ enterprise visibility

5,960 IPs discovered

250+ total sites consolidated

<10 min threat response
time (from hours)

ZERO mission-critical failures



► Success Story

Network Modernization



85,000 Switches. Zero Downtime. **\$12M Saved.**

The Situation

- × **Largest completed** military **network modernization** in history
- × **100+ sites** with **unique** configs, naming + **network design**
- × **Limited** site **access**, **zero downtime** allowed

The Fix

- ✓ **Remote site discovery**, for on-time delivery + a **single survey** needed **per location**
- ✓ **Standardized architecture** + ops resilience, with **99% accuracy** across configs, materials + asset
- ✓ Parallel product + services method = **successful "hot-cut" migrations**, without downtime

**Network
Modernization
Transformation**

Made the impossible routine. No more SNAFU incidents.

Mission Impact

85,000+ network switches

\$12M+ Savings vs. traditional approaches

99% accuracy maintained throughout entire program

ZERO mission-critical failures

115+ installations globally

16+ sites migrated per year

- ✓ On time, on budget for entire program
- ✓ Vendor-agnostic, fully-compliant



Army's **NETMOD Success** = Enabled by ITPIE

THE MISSION

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

Largest Modernization in Military History

EASY AS π

ITPIE RESULTS

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



► Success Story

Unified Communications



80,000 Users. **One Migration.** Zero Dropped Calls.

The Situation

- ✗ Infrastructure **25 years behind** → **expensive + impossible to scale**
- ✗ Zero mobility → **users tied to desk phones**: area codes, long distance costs, busy signals
- ✗ **Communications blackout = mission failure** in zero-tolerance environments

The Fix

- ✓ Deployed software-based unified comms at local, regional, + global scale → **maximizing mobility + cost efficiency** while preserving hard handsets
- ✓ Phased migration from legacy analog to **fully-integrated unified comms** → **zero disruption**
- ✓ Engineered **custom solutions for unique mission environments** → med facilities, ranges, training fields

Unified Comms
Transformation

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

Mission Impact

64,000+ IP phones
deployed

30,000 analog phones
transitioned to VoIP

100,000+ voicemail
mailboxes

Complete **voice, video,**
collaboration integration

300,000+ user capacity
systems

ZERO mission disruption in cutover

Every line flowing while
rebuilding the entire system



► Success Story

Global Enterprise Optimization



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) = **optimize topology + simplify routing + reduce MTTR**
- ✓ Deployed multi-vendor **SASE/SD-WAN solution for 50k remote workers**

**Global Enterprise
Optimization
Transformation**

Inherited a Charlie Foxtrot → **delivered a finely-tuned machine.**

Mission Impact

65,000+

critical **systems**
moved

50,000+

employees enabled w/
SASE **remote access**

70+

global migrations completed

99%

less backbone routes
(19M to acceptable levels)

90%

reduction in
network-related **outages**

30+

months continuous
improvements + counting



Learn more about VAE + ITPIE



ITPIE Platform
Capabilities Deck
Digital Download



ITPIE Platform
Overview
Digital Download



ITPIE Axiom
Product Overview
Digital Download



ITPIE Platform
Product Features
Recorded Demos



NETMOD
Enterprise
Modernization
Case Study