

VIGILANT TRUST & ASSET MANAGEMENT

ZERO TRUST SECURITY TRANSFORMATION

Strategic roadmap to mitigate modern threats and secure £2.5 Billion in managed assets through a comprehensive security framework.

| THE CURRENT CRISIS & MANDATE

RECENT SECURITY INCIDENTS

VTAM has recently experienced sophisticated **phishing campaigns** and ransomware attempts that bypassed traditional perimeter defenses.

- ✓ Failed Perimeter: Hybrid work expanded the surface.
- ✓ Regulatory Risk: High threat to £2.5B in client assets.
- ✓ Board Mandate: Deploy modern Zero Trust Architecture.

Financial Office Background

THE MODERN THREAT LANDSCAPE



RAAS EVOLUTION

Ransomware-as-a-Service has industrialized attacks, enabling triple extortion (Encryption, Theft, DDoS).



AI SOCIAL ENGINEERING

AI-powered "Vishing" clones executive voices for fraudulent wire transfer authorizations and data theft.



SUPPLY CHAIN RISK

MOVEit-style compromises target SaaS vendors, creating secondary vulnerabilities for VTAM data.

STRATEGY & FRAMEWORK

Alignment with Global Security Standards

ALIGNMENT WITH GLOBAL STANDARDS

NIST CSF 2.0 FUNCTION	ISO 27001 CONTROL AREA	VTAM STRATEGIC OBJECTIVE
GOVERN	Organization & Policy	Establish board-level oversight of cyber risk.
PROTECT	Access Control & Cryptography	Deploy FIDO2 MFA and Identity-centric access.
DETECT	Logging & Monitoring	24/7 Monitoring via SIEM/SOAR integration.
RESPOND	Incident Management	Automated playbooks for ransomware containment.
RECOVER	Business Continuity	Immutable backups for rapid service restoration.

TECHNICAL MITIGATION MEASURES



IDENTITY & ACCESS

FIDO2 Hardware Keys: Phish-proof authentication for all high-risk accounts.

ZTNA: Replaces VPN with context-aware tunnels directly to specific applications.

INFRASTRUCTURE & DATA

CSPM: Real-time automated auditing of AWS/Azure cloud security posture.

Immutable Backups: Air-gapped recovery systems immune to ransomware encryption.

ZERO TRUST ARCHITECTURE

NIST SP 800-207 PRINCIPLES

Moving beyond the "trusted internal network." Every access request is dynamically evaluated based on:

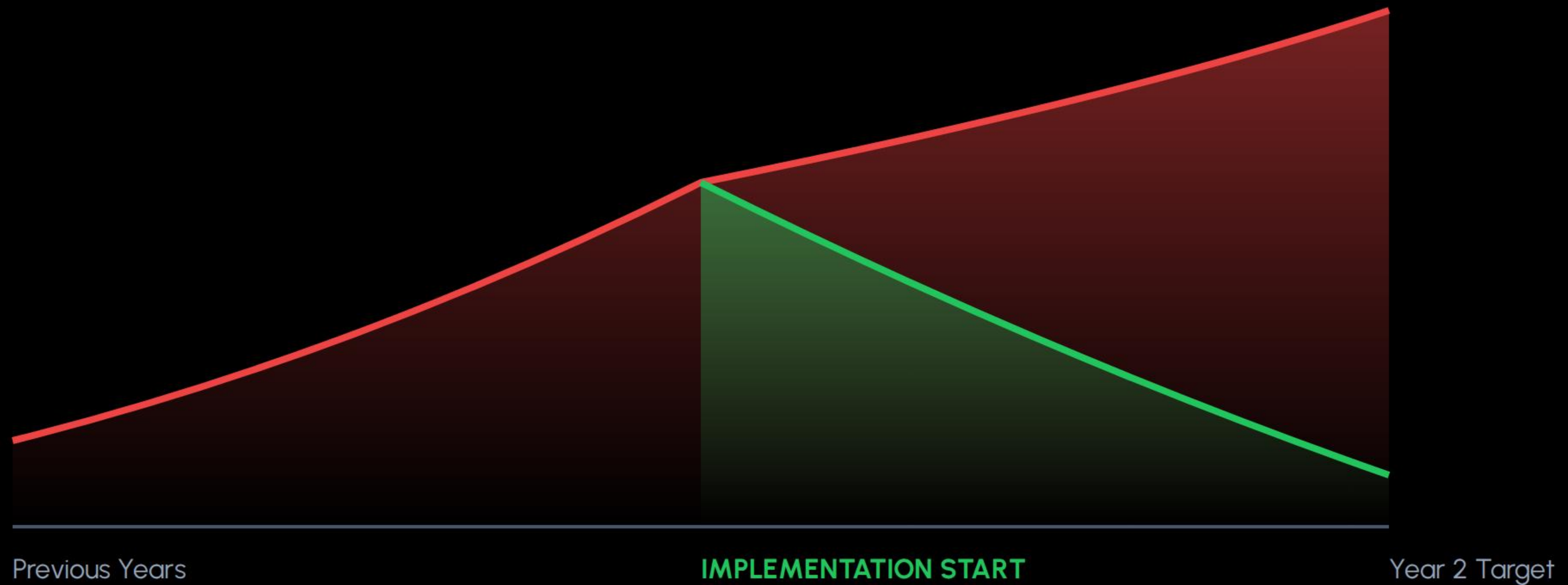
- ✓ User Identity & Health
- ✓ Device Posture (Managed vs Unmanaged)
- ✓ Environmental Context (Location/Time)

ZERO TRUST SECURITY



RISK REDUCTION PROJECTION

Breach Probability (%)



*Zero Trust implementation aims to reduce successful breach probability by **85%** within 18 months.*

| 6-MONTH IMPLEMENTATION ROADMAP



PHASE 1: IDENTITY

Months 1-2: FIDO2 Keys & ZTNA
Deployment.



PHASE 2: POSTURE

Months 3-4: CSPM Integration & Cloud
Guardrails.



PHASE 3: RESPONSE

Months 5-6: SIEM/SOAR Playbook
Automation.

CONTINUOUS TRAINING & AWARENESS

 **Simulated Attacks:** Monthly phishing and quarterly "Vishing" (voice) simulations targeting finance teams.

 **Security Champions:** Designating a security advocate in every department to foster local awareness.

 **Role-Specific Drills:** Targeted training for C-suite on executive vishing and fraud detection.

 Employee Training Session

FINANCIAL JUSTIFICATION & ROI

£850K

INITIAL INVESTMENT

£4.35M

AVG. DATA BREACH COST

85%

RISK REDUCTION

This investment secures £2.5 Billion in managed assets. Preventing a single significant incident pays for the entire program five-fold (5x ROI).

QUESTIONS?

Resilience is a Strategic Investment

Vigilant Trust & Asset Management

Security Operations Center (SOC)

IMAGE SOURCES



<https://www.ey.com/adobe/dynamicmedia/deliver/dm-aid--71af8b65-4aeb-4f81-8216-f5de2a3502a4/ey-modern-neon-cyberpunk-open-space-office.jpg?preferwebp=true&quality=85>

Source: www.ey.com



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