

VIGILANCE:

Versatile Intelligent Agents for Interconnected Ledgers & Autonomous Next-gen Cybersecurity Ecosystems

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RESEARCH CENTER
UNIVERSITY OF PIRAEUS

Partners

SMEs & Next-Gen Innovators



Big Industries



Critical Infrastructures



Research Organisation



VIGILANCE at a Glance

Project Coordinator:

GFT ITALIA SRL

Call:

DIGITAL-ECCC-2024-DEPLOY-CYBER-07

Project Number:

101249737

Project Name:

Versatile Intelligent Agents for Interconnected Ledgers & Autonomous
Next-gen Cybersecurity Ecosystems

Number of Partners / Countries:

18 Partners - 8 Countries

Start Date:

01 January 2026

Duration:

36 Months

Budget:

€ 8M



Our Ambition

To transform cybersecurity from reactive defense to intelligent, autonomous protection.

VIGILANCE aims to deliver a new generation of cybersecurity solutions that:

- Protect Europe's critical infrastructures across telecom, logistics, finance, and Industry 4.0
- Move beyond traditional reactive approaches toward proactive, AI-driven defense
- Embed **Zero Trust principles** at the core of digital security
- Strengthen Europe's technological sovereignty through trusted, European solutions



Why VIGILANCE ?



Europe's critical infrastructures are facing a growing cybersecurity gap:

VIGILANCE aims to deliver a new generation of cybersecurity solutions that:

- Increasing ransomware and advanced cyber threats
- Fragmented security systems across organizations
- Complex and evolving regulatory requirements (NIS2, DORA, CRA, GDPR)
- Rising dependence on non-European technologies

This creates an urgent need for secure, intelligent, and sovereign cybersecurity solutions.

Key Technological Innovations

VIGILANCE integrates cutting-edge technologies to enable autonomous cybersecurity



Adversarial AI

Attack simulation and automated red teaming to stay ahead of the adversary

Generative AI

Defense against prompt injection and LLM-specific threats.

Blockchain

Distributed identity and immutable security logs.

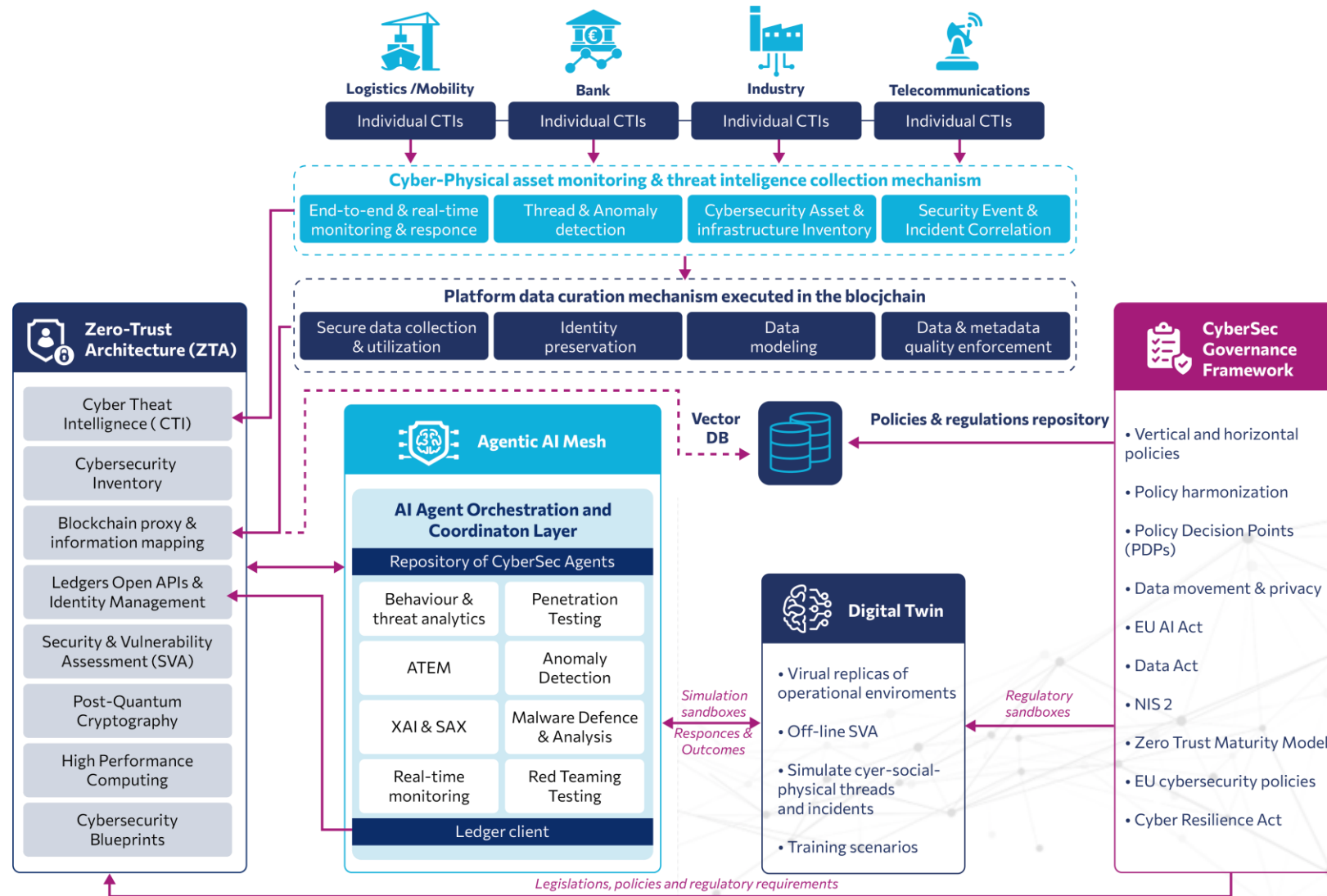
Post-Quantum Security

Post-quantum cryptography implemented today for the future

Agentic Wrappers

Autonomous security orchestration with response faster than any human team.

VIGILANCE Architecture



What VIGILANCE Delivers ?



Zero Trust Architecture

Continuous verification and adaptive access control across complex infrastructures



Agentic AI Mesh

Autonomous AI agents transforming security logs into real-time actionable intelligence



CyberSec Digital Twin

A safe simulation environment for testing attacks, validating policies, and training SOC teams



Privacy & Quantum-Ready Security

Security data exchange aligned with EU regulatory frameworks



Cybersecurity Academy

AI-powered training platform enabling capacity building, simulation-based learning, and skills development across stakeholders

Real World Validation in 4 Pilots



Telecommunications (OTE)

Enhancing SOC efficiency and automated incident response



Logistics & Port Operations (Port of Rotterdam)

Protecting cyber-physical port infrastructure and maritime communication



Finance & Banking (CaixaBank)

AI-driven threat detection and regulatory-ready cybersecurity



Industry 4.0 (Siemens)

Securing smart manufacturing and OT-IT convergence systems

4 Pilot Use Cases

NL: Netherlands (Havenbedrijf Rotterdam)

Ports & Maritime Logistics: Securing highly interconnected, multi-actor physical and digital supply chains

ES: Spain (CaixaBank)

Banking & Finance: Testing privacy-preserving threat intelligence sharing and secure data utilization

RO: Romania (Siemens)

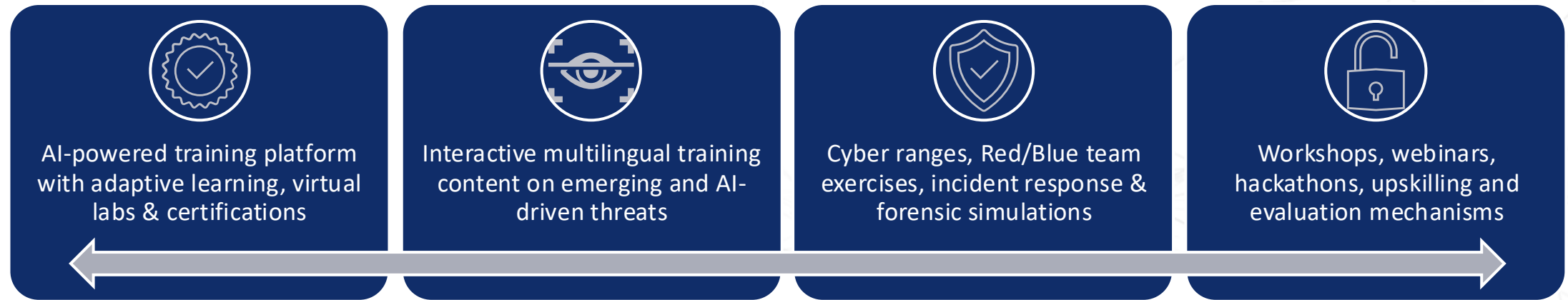
Industry 4.0: Deploying Agentic AI co-pilots for real-time anomaly detection in highly automated manufacturing

GR: Greece (OTE)

Telecommunications: Safeguarding 5G/IoT infrastructures and running automated adversarial simulations

VIGILANCE Academy

- Empower security professionals for high-level data interpretation and response decisions
- Build capacity for original Cyber Threat Intelligence (CTI)
- Improve cybersecurity posture across detection, response, and vulnerability management
- Develop digital and cybersecurity competencies for diverse stakeholder groups



Join the VIGILANCE Ecosystem



We invite:

- Critical infrastructure operators Industry
- leaders & SMEs
- Cybersecurity experts & researchers
- Policy and regulatory stakeholders

Collaborate with VIGILANCE in:

- Validating AI-driven Zero Trust solutions in real-world environments
- Shaping secure, interoperable, and sovereign cybersecurity frameworks
- Contributing to the future of European digital resilience
- Access training, simulation environments, and capacity-building programs

Join our Stakeholder Network!



Connect with VIGILANCE



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