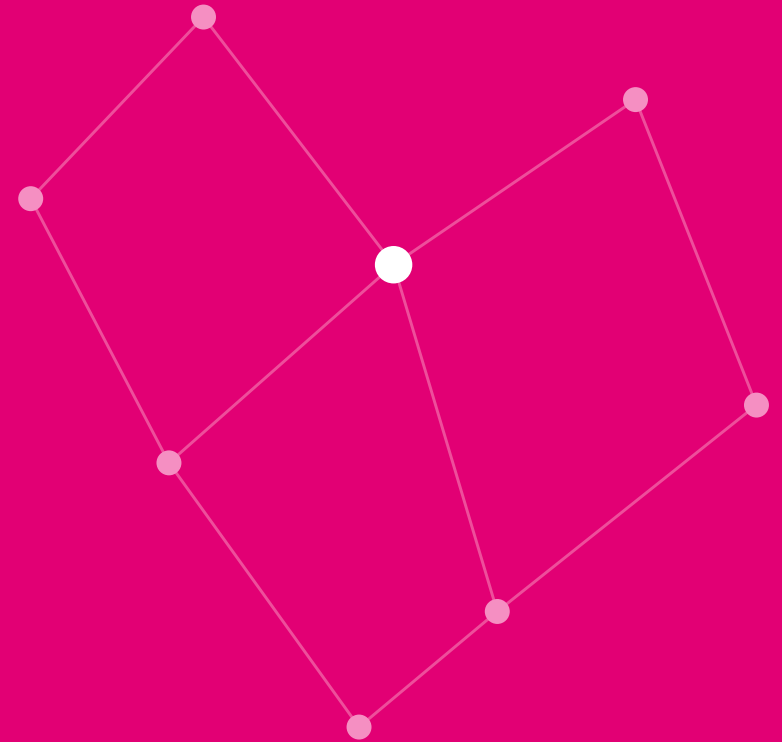


Connecting AI, Data and Cybersecurity for European cyber resilience

Achilleas Marinakis

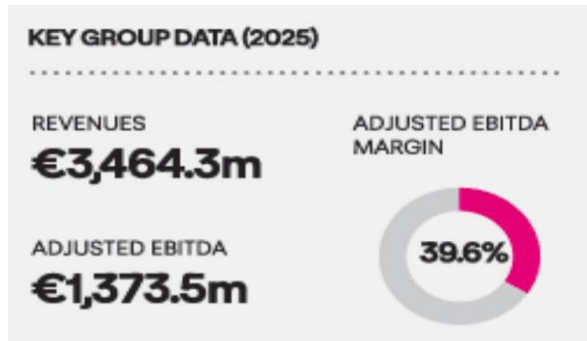
Innovation Engineer
Hellenic Telekom

EUROPEAN BIG DATA VALUE FORUM, Galway, Ireland, 30/9 – 1/10, 2026





Greece's largest telecommunications provider



HUMAN RESOURCES

~8,800

People

FOCUS AREAS



Network



Customer Experience



Products & Solutions



Society



CRSN

Cyber-Resilience
Synergy Network

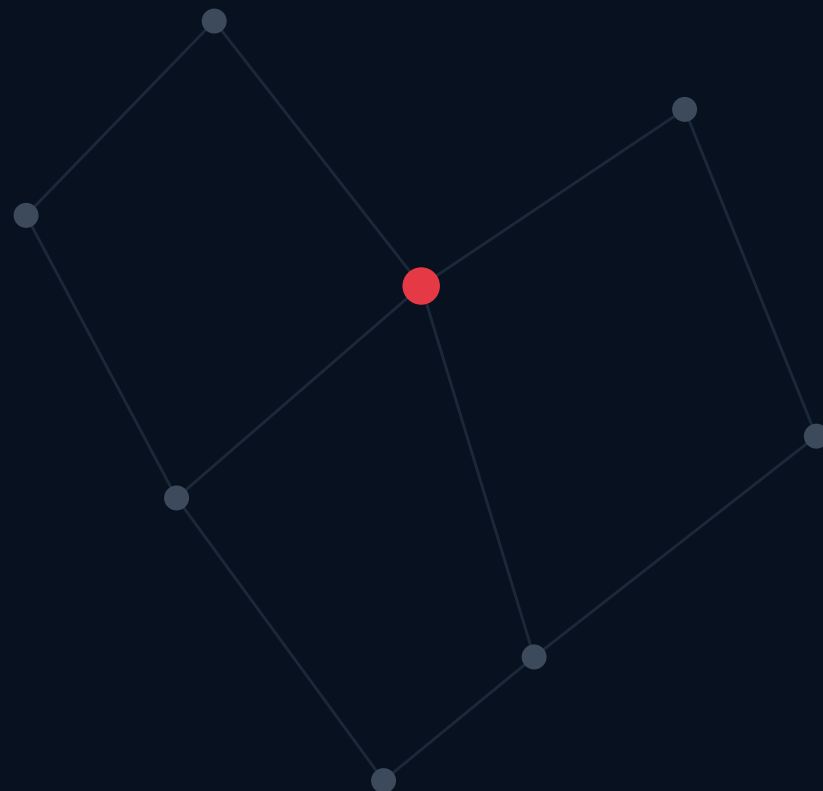
Cyber-Resilience Synergy Network

Scope, vision and project landscape

AI-driven cybersecurity

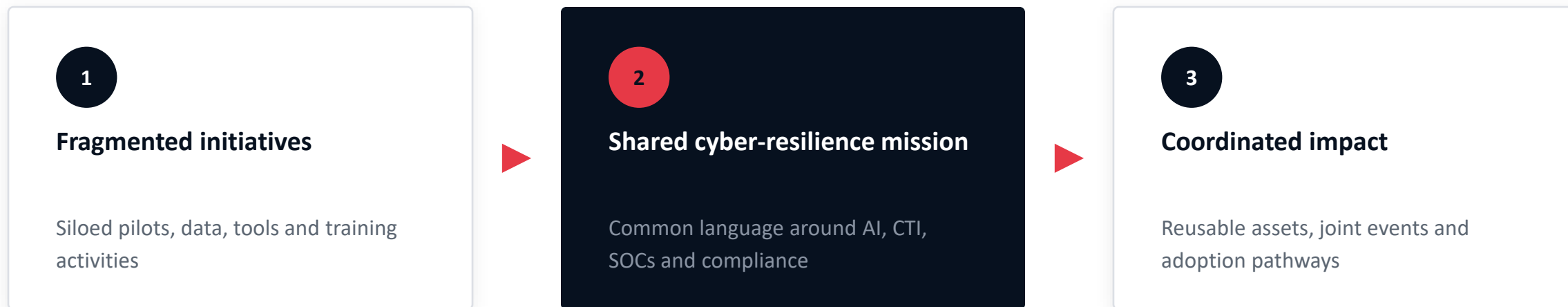
Critical infrastructures

Trusted CTI sharing



From fragmentation to ecosystem-level resilience

Europe's cybersecurity challenge is no longer project-by-project. Critical infrastructures are interdependent, attacks are automated and response requires shared intelligence, trusted AI and operational capacity.



CORE IDEA

CRSN aligns complementary EU-funded projects so their outputs reinforce each other and become easier to understand, reuse and adopt.

Complementary capabilities across sectors

Each project advances one domain, CRSN connects them into a shared resilience narrative.

PROJECT LANDSCAPE



VIGILANCE

Agentic Zero Trust mesh



CyberAid

Financial cyber resilience



ENFORCE

Secure compute continuum



SONIC

SOC marketplace & tools



ACT4FOOD

Food supply chains



5G-TACTIC

Secure 5G ecosystem



CTIS4NIS

Cross-border CTI sharing



AIAGENT4CYBER

Multi-agent cyber defence



CyberNEMO

AIoT-edge-cloud resilience



PiQASO

Post-quantum readiness



VANTAGE

AI VAPT automation



ACSOC

Cooperative SOC



CIPHER

Secure AI/cyber validation



NG-SOC

Next Generation Security Operations Centers



SAFE

use of enabling technologies



UNICOPS

Strengthen Higher Education Institutions



ENDURANCE

Strengthening the resilience of Europe's CI

Five complementary pillars



Autonomous & proactive defence

AI, ML, LLMs and agents move operations from reactive to predictive and automated.



Critical interconnected ecosystems

Telecom, finance, food, smart cities, logistics, cloud-edge-IoT and supply chains.



Collaborative threat intelligence

Trusted cross-border sharing breaks data silos and improves response speed.



Trust & compliance by design

Alignment with NIS2, CRA, DORA, GDPR and AI Act expectations.



Human capacity

Cyber ranges, academies, training paths and awareness campaigns.

IN PRACTICE

These pillars connect technical innovation with adoption: SOC operations, secure services, incident response, regulation and skills.

VISION

A reusable European cyber-resilience layer

PROJECT ASSETS

- AI agents & LLMs
- CTI feeds & MISP / SIEM
- Zero Trust & attestation
- PQC & privacy-preserving analytics
- Training resources



CRSN coordination layer

common messages · joint events ·
cross-project demos · reusable
knowledge assets



ADOPTION CHANNELS

- SOCs / CSIRTs
- Critical infrastructure operators
- Regulators & policy stakeholders
- SMEs & cybersecurity vendors
- Data, AI and cyber communities

THE POINT

This is not another platform. It is an alliance layer that makes project outputs discoverable, comparable and transferable.

Four delivery areas for European cyber resilience

1	AI-native security operations	Agentic SOC support, anomaly detection, malware analysis, VAPT automation, predictive mitigation.
2	Trustworthy infrastructure & services	Zero Trust, remote attestation, secure service orchestration, TEE / confidential computing and secure 5G.
3	Data & intelligence sharing	CTI exchange, interoperability, privacy-preserving analytics, federated learning and cross-border SOC cooperation.
4	Readiness & capacity building	Cyber academies, cyber ranges, workshops, learning centres, awareness campaigns and regulator training.
COMMON OUTPUT		A portfolio of validated, AI-enhanced and regulation-aware building blocks that can be reused by SOC's, operators and public authorities.

Why this matters for the BDVA

CRSN is a practical bridge between the BDVA data and AI community and the operational cybersecurity communities working on critical infrastructures.



Data

CTI, security telemetry, cyber ranges and shared indicators as reusable data assets



AI

LLMs, multi-agent systems, XAI, federated learning and robust decision support



Operations

SOC cooperation, incident response, secure orchestration and cross-border scenarios



Trust

Compliance-by-design, transparency, privacy preservation and European digital sovereignty

Turning the alliance into shared impact

1

Common map of assets

Catalogue tools, datasets, APIs, pilots, training resources and policy outputs.

2

Joint BDVA-facing session

Showcase AI, Data and CTI patterns, with three or four concrete project demos.

3

Cross-project validation stories

SOC cooperation, 5G and telecom, finance, food and the compute continuum.

4

Sustainable community

Keep expanding the network with compatible EU projects and stakeholders.

Thank you

Thank you

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