

Connecting Europe's SOC's. Strengthening its defences.

A 36-month EU initiative establishing a network of AI-enabled and interoperable Security Operations Centres across critical sectors.

NG-SOC is designing, deploying, and validating a **collaborative, capacity-focused SOC service** that combines shared situational awareness, coordinated incident response, and dedicated cybersecurity training. Built on **open standards** and **open-source technology**, it answers the cybersecurity challenges set out in NIS2, the EU Cybersecurity Act, and the EU Cyber Solidarity Act.



36

MONTHS



11

PARTNERS



3

SECTOR PILOTS



10

KEY RESULTS

WHAT NG-SOC DELIVERS

Detect

AI-enabled behavioural threat detection and real-time monitoring across networks and endpoints.

BIPS • NG-SIEM

Respond

Automated, playbook-driven incident response built on the OASIS CACAO v2 standard.

NG-SOAR • CICMS

Share

Cross-border CTI exchange and dynamic risk management for critical infrastructure.

MISP • STIX 2.1 • DRM

Train

Hands-on cyber-range exercises and self-paced courses aligned with the ECSF.

KYPO / CyberRangeCZ • OpenEdX

THREE SECTOR PILOTS

FINANCE

CaixaBank

Red Team automation, threat intelligence, and automated incident response in a major banking environment.

ACADEMIA & RESEARCH

CYNET

Vulnerability identification, CTI sharing, and capacity-building exercises across the national research network.

ENERGY

ELES • Informatika

Anomaly detection on IT assets, STIX 2.1 / MISP integration, and automated response in the energy sector.

M25 • 2026

Pilots are running. Integration and validation are underway. The consortium is now preparing **final results, training programmes, and exploitable assets** for delivery by December 2026.

STAY CONNECTED

Visit ng-soc.eu for news, deliverables, and events • Follow **NG-SOC on LinkedIn** for community updates



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the European Union



ECCC
EUROPEAN CYBERSECURITY
COMPETENCE CENTRE

THE CONSORTIUM

Eleven organisations from six countries (Cyprus, Greece, Luxembourg, Norway, Slovenia, and Spain) bring together cybersecurity vendors, research centres, and end users from the banking, academic, and energy sectors.

COORDINATOR

ED
LU

European Dynamics Luxembourg SA
COORDINATOR & TECHNICAL PROVIDER

TECHNICAL & RESEARCH PARTNERS

EDGR EL European Dynamics Advanced IT & Telecom Systems	INS EL Insighio IKE	UPRC EL University of Piraeus Research Center
SPH EL Space Hellas SA	CYEN NO Cyentific AS	FUNITEC ES Fundació Privada Universitat i Tecnologia

PILOT & END-USER PARTNERS

CXB ES CaixaBank SA FINANCE PILOT	CYNET CY Cyprus Research & Academic Network ACADEMIC PILOT	ELES SI ELES d.o.o. (electricity transmission operator) ENERGY PILOT
INFO SI Informatika d.d. ENERGY PILOT		

INSIDE THE PLATFORM

 BIPS Behavioural Intrusion Prevention System: real-time, ML-based threat detection across logs and network traffic.	 NG-SIEM Next-generation SIEM for scalable event collection, correlation, and alerting (Wazuh / OpenSearch).
 NG-SOAR Orchestration and automated response on the OASIS CACAO v2 standard (CACAO Roaster + SOARCA engine).	 CICMS Collaborative Incident Case Management System, the central console for cases and security tooling.
 CTI Sharing System MISP-based threat-intelligence exchange using STIX 2.1 and TAXII for cross-border sharing.	 DRM Engine Dynamic Risk Management: continuous, model-driven risk assessment for critical infrastructure.
 Penetration Testing Semi-automated, AI-assisted offensive testing tools to validate detections and defences.	 Hands-on Platform Cyber-range exercises and e-learning courses (KYPO / CyberRangeCZ and OpenEdX) aligned to the ECSF.

 BUILT ON OPEN STANDARDS	 PROJECT AT A GLANCE										
OASIS CACAO v2.0 STIX 2.1 MISP TAXII NIS2 Directive EU Cybersecurity Act EU Cyber Solidarity Act GDPR ECSF	<table> <tr> <td>Total eligible costs</td> <td>€4,772,813</td> </tr> <tr> <td>EU contribution (50%)</td> <td>€2,386,407</td> </tr> <tr> <td>Duration</td> <td>36 months</td> </tr> <tr> <td>Granting authority</td> <td>ECCC</td> </tr> <tr> <td>Programme</td> <td>Digital Europe</td> </tr> </table>	Total eligible costs	€4,772,813	EU contribution (50%)	€2,386,407	Duration	36 months	Granting authority	ECCC	Programme	Digital Europe
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