PHOENI2X

A European Cyber Resilience Framework with Artificial Intelligence-assisted orchestration & automation for business continuity, incident response & information exchange

CONSORTIUM

ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ — UNIVERSITY OF PATRAS

Sphynx Analytics

UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH — UPC

COSMOTE

FGC Ferrocarrils de la Generalitat de Catalunya

ΔEH Public Power Corporation

WORLD SENSING

AEGIS IT RESEARCH

Social Engineering Academy

Eunomia Ltd. Consulting Services

Atos

APIROPLUS SOLUTIONS

Nodalpoint

UiO : University of Oslo

National Cyber Security Authority — HELLENIC REPUBLIC

NATIONAL CSIRT-CY

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PHOENIIX

A Cyber Resilience Framework providing AI assisted orchestration, automation & response capabilities for business continuity and recovery, incident response, and information exchange, tailored to the needs of Operators of Essential Services (OES) and of the EU Member State (MS) National Authorities entrusted with cybersecurity.

FRAMEWORK

Security Assurance & Certification

Preparedness
- Resilience Cyber Range
- Serious Games

Resilience Orchestration, Automation & Response

AI-assisted Situational Awareness, Predictive & Response

Alerting, Reporting & Information Exchange

Baseline Prevention, Detection & Response toolset

Network & Compute Infrastructure Management & Orchestration
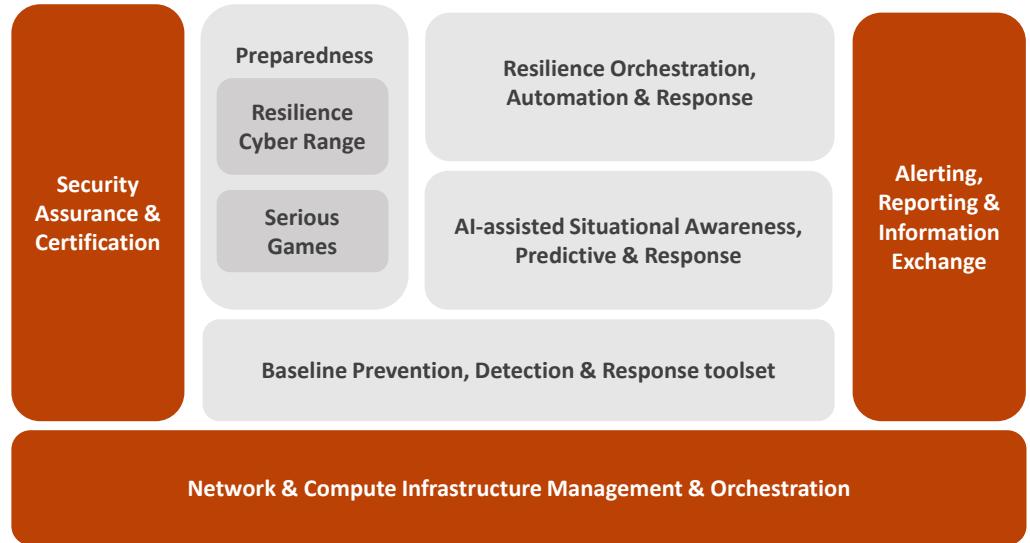
OBJECTIVES

Objective 1: To provide trustworthy AI-assisted Situational Awareness & Prediction capabilities, with risk impact assessment, facilitating prioritisation, recommendation and adaptation of system response.

Objective 2: To design & develop Resilience Orchestration, Automation and Response mechanisms, encompassing proactive and reactive business continuity, recovery and incident handling tasks.

Objective 3: To offer enhanced Preparedness through a Resilience Cyber Range and Serious Games.

Objective 4: To provide Alerting, Reporting & Information Exchange mechanisms & processes enabling collaboration between private and public critical sector actors at the national and European level.

Objective 5: To integrate, demonstrate, and validate PHOENi²X in the context of 3 Essential Service use cases: Energy, Transport, Health.

Objective 6: To maximise the project's impact and results' uptake, creating an open & sustainable solution.

PILOTS

Public Power Corporation
Ministry of Digital Governance
Cosmote

Energy

Ferrocarrils de la Generalitat Catalunya

Transport

Nodalpoint Systems
Archi Psifiakis Asfaleias

Healthcare