

Press release

On July 1st 2022, the PHOENIX project was successfully launched. PHOENIX is a 36-month Research Innovation Action (RIA) project funded by the European Union within the Horizon research program.

Why PHOENIX?

The main aim of PHOENIX is to design, develop, and deliver a Cyber Resilience Framework providing Artificial Intelligence (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. Through the deployment PHOENIX Cyber Resilience Centres (PHOENIX CRCs), OES will gain:

- (i) enhanced Situational Awareness with AI-assisted Prediction, Prevention, Detection & Response capabilities, and business risk impact assessment-based prioritisation;
- (ii) proactive and reactive Resilience Automation, Orchestration, and Response (ROAR) mechanisms, providing Business Continuity, Recover and Cyber & Physical Incident Response;
- (iii) increased Preparedness through relevant Serious Games and realistic Resilience Cyber Range (RCR) Assessment & Training;
- (iv) timely and actionable Information Exchange between OES, National Authorities and EU actors, leveraging interoperable and standardised alerting and reporting mechanisms and processes.

Objectives

1. To provide trustworthy AI-assisted Situational Awareness & Prediction capabilities, with risk impact assessment, facilitating prioritisation, recommendation and adaptation of system response.
2. To design & develop Resilience Orchestration, Automation and Response mechanisms, encompassing proactive and reactive business continuity, recovery and incident handling tasks.
3. To offer enhanced Preparedness through a Resilience Cyber Range and Serious Games.
4. To provide Alerting, Reporting & Information Exchange mechanisms & processes enabling collaboration between private and public critical sector actors at the national and European level.
5. To integrate, demonstrate, and validate PHOENIX in the context of 3 Essential Service use cases: Energy, Transport, Healthcare.

PHOENIX Consortium

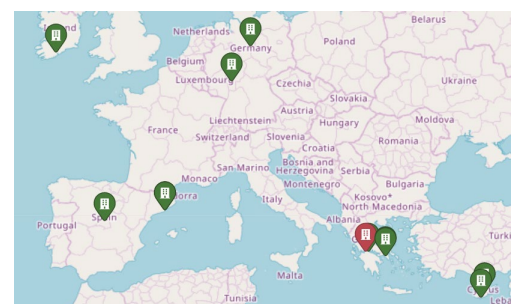


Project details

Funding: Grant agreement No 101070586.

Start date: July 1st. 2022.

Duration of the Project: 36 months.



PILOTS

The project will consider three use case domains for the demonstration and evaluation of the PHOENI2X framework: Energy, Transport and Healthcare.

ENERGY



Energy use case, based in Greece, directly involving an OES, Public Power Company; as well a supporting telecom provider, COSM; and the National Authority, NCSA, Ministry of Digital Governance, overseeing the OES.

TRANSPORT



Transport use case, based in Spain, directly involving an OES, Ferrocarrils de la Generalitat de Catalunya railway.

HEALTHCARE



Healthcare use case, based in Cyprus, involving an essential solution and infrastructure provider, Nodalpoint Systems, of an OES, the General Healthcare System of Cyprus.

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