



# PHOENIX

*Electrical Power System's Shield against complex incidents and extensive cyber and privacy attacks*

**Newsletter no.1 – September, October, November 2019**

## Description and Benefits

PHOENIX is a Horizon 2020 collaborative project, co-funded by the European Union. It focuses on the protection of the European end-to-end European Electrical Power Energy systems (EPES) via early detection and fast mitigation of cyber-attacks against their assets and networks from human activities, while protecting the utilities and end-users' privacy from data breaches by design. The consortium is coordinated by Capgemini Technology Systems and brings together 24 partners from 11 EU Countries.

**The challenge** of the project is to provide a cyber-shield armour to European EPES to survive coordinated, large scale cybersecurity and privacy incidents; guarantee the continuity of operations and minimize cascading effects in the infrastructure itself, the environment and the end-users at reasonable cost.

### Project Objectives

1. **Strengthen** EPES cybersecurity preparedness
2. **Coordinate** cyber-incident discovery, sharing & response
3. **Accelerate** research & innovation in EPES cybersecurity via DevSecOps and innovative ML-based technologies.

### Concept and approach

PHOENIX focuses on the protection of the European EPES via:

(i) **Cybersecurity & Data Privacy** by design and by innovation, (ii) cross-country **Cybersecurity Information Sharing**, realising NIS Directive (iii) realistic exploitation, penetration testing and verification/certification methodologies and procedures and (iv) **validation in 5 real-life Large-Scale Pilots (LSP)** across Europe. To know more about the LSPs, visit [PHOENIX Pilot Sites](#)

### H2020 PHOENIX Project

#### At a glance

**Title:** Electrical Power Energy System's (EPES) Shield against complex incidents and extensive cyber and privacy attacks

**Type of action:** Innovation Action

**Topic:** SU-DS04-2018-2020

**Grant Number:** 832989

**Total Cost:** € 10 999 208,21

**EC Contribution:** € 7 995 004,25

**Start Date:** 01/09/2019

**End date:** 31/08/2022

**Duration:** 36 months

**Project Web Site:** [www.phoenix-h2020.eu](http://www.phoenix-h2020.eu)

**Key Words:** Cybersecurity, Energy, EPES

**Project Coordinator:** CAPGEMINI

## PHOENIX project Kick-Off Meeting

The PHOENIX project held a successful kick-off meeting at Capgemini headquarters in Issy Les Moulineaux, Paris, France on **12 and 13 September 2019**. Dr. Farhan Sahito, PHOENIX Project Coordinator and Director of Cyber Innovation at Capgemini outlined the main objectives of the project funded by the European Commission through the programme Horizon 2020. The European Commission's Research Executive Agency was represented in the meeting by the PHOENIX's project and legal officers.



## Presence in Impact Creation Events

Team members attended and/or presented the PHOENIX project in:

- European Technology and Innovation Platform for Smart Networks for Energy Transition (ETIP SNET) Central & Northern Regions' Workshop, 19-20 Sept 2019, Petten, Netherlands;
- CERT-RO, Annual International Conference "New Global Challenges in the field of cyber security", 7-8 Oct. 2019, Bucharest, Romania;
- The World Bank, Balkans Digital Highway Workshop, 19-20 Oct. 2019, Bucharest, Romania;

- Mediterranean Security Event 2019, 29-31 Oct. 2019, Heraklion, Greece;
- Security Research Event 2019, 6-7 Nov. 2019, Helsinki, Finland.
- European Utility Week 2019, 12-14 Nov 2019, Paris, France;
- ETIP SNET South-Eastern & Western Regions' Workshop, 26-28 Nov 2019, Athens, Greece;
- ENISA, EE-ISAC Plenary & Training, 14-15 Nov 2019, Paris, France;

## PHOENIX project Press Coverage

Led by **Capgemini Technology Services CIS France**, the **PHOENIX** consortium brings together representatives of European energy utilities, end-user organisations, industry, SMEs, research and academia from France, Spain, Greece, Germany, Slovenia, Netherlands, Romania, Italy, Luxemburg, Finland and Norway (Associated country) comprise the project consortium. The first press release can be found here: [Capgemini Coordinates the Phoenix cybersecurity project for the European Commission](#)

- [Le Monde Informatique](#) (Nov 27): Capgemini pilots the European cybersecurity project PHOENIX
- [Global Security Mag](#) (Nov 26): Capgemini coordinates PHOENIX cybersecurity project for the European Commission
- [Cercle Finance](#) (Nov 26): Capgemini: coordination of the PHOENIX cybersecurity project
- [Zone Bourse](#) (Nov 26): Capgemini: coordination of the PHOENIX cybersecurity project

## PHOENIX project – at the European Utility Week (Paris, 12-14 Nov'19)

The PHOENIX Project main objectives were introduced to those who visited the Digital Smart Group stand during European Utility Week Exhibition and Congress (Paris, 12-14 Nov 2019).

Emiliano Marquesini, EU Project Coordinator for Romanian Energy Center professional association, had a very interesting and productive exchange of ideas around the hot topic of Cybersecurity during the discussions with visitors, especially during the after-hours receptions organized at the stand.



- European Utility Week is one of the main and largest events for the Energy Sector in Europe. For more details on 2019 event click [HERE](#).
- Digital Smart Group (DSG), represented at the stand by Martin Grinberg, CEO and Co-Founder, helps the Energy Sector to accelerate the adoption of Industrial IoT, Digitalization and OT/ICS Cybersecurity. For more details click [HERE](#).

## PHOENIX project – at Analyst & Advisor Day (Capgemini 147, 4 Dec'19)

The PHOENIX project objectives, expected impact and technology were introduced by Farhan Sahito (Project Coordinator, Capgemini) and Wafa Ben Jaballah (Thales Group) to the attendees of Capgemini annual Analyst and Advisor Day at Capgemini 147, Issy Les Moulineaux, France on 4 Dec 2019.

The event was attended by of 31 analysts and advisors from 21 different companies. Among other guests were IDC analysts, Forrester, Gartner, Teknowlogy Group, Markess, as well as consulting firms such as ISG.

