

COLLABORATIVE PROJECTS PORTFOLIO



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LILLE, FRANCE

CYBERSECURITY DIRECTORATE



3 H2020 EUROPEAN RESEARCH PROJECTS



ECHO – EUROPEAN NETWORK OF CYBERSECURITY CENTRES AND COMPETENCE HUB FOR INNOVATION AND OPERATIONS – GA 830943



CYBER-MAR - CYBER PREPAREDNESS ACTIONS FOR A HOLISTIC APPROACH AND AWARENESS RAISING IN THE MARITIME LOGISTICS SUPPLY CHAIN – GA 833389



SECOIIA - SECURE COLLABORATIVE INTELLIGENT INDUSTRIAL ASSETS – GA 871967



NAVAL GROUP'S H2020 EUROPEAN COMMISSION PROJECTS



ECHO – EUROPEAN NETWORK OF CYBERSECURITY CENTRES A COMPETENCE HUB FOR INNOVATION AND OPERATIONS – GA 830943



The main objective of ECHO is to strengthen the proactive cyber defence of the European Union, enhancing Europe's technological sovereignty through effective and efficient multi-sector and multi-domain collaboration. The project will develop a European cybersecurity ecosystem to support secure cooperation and development of the European market, as well as to protect the citizens of the European Union against cyber threats and incidents. Just like we need security systems to protect our physical being, we must as well seek for cyber security to protect our digital life.

The Consortium



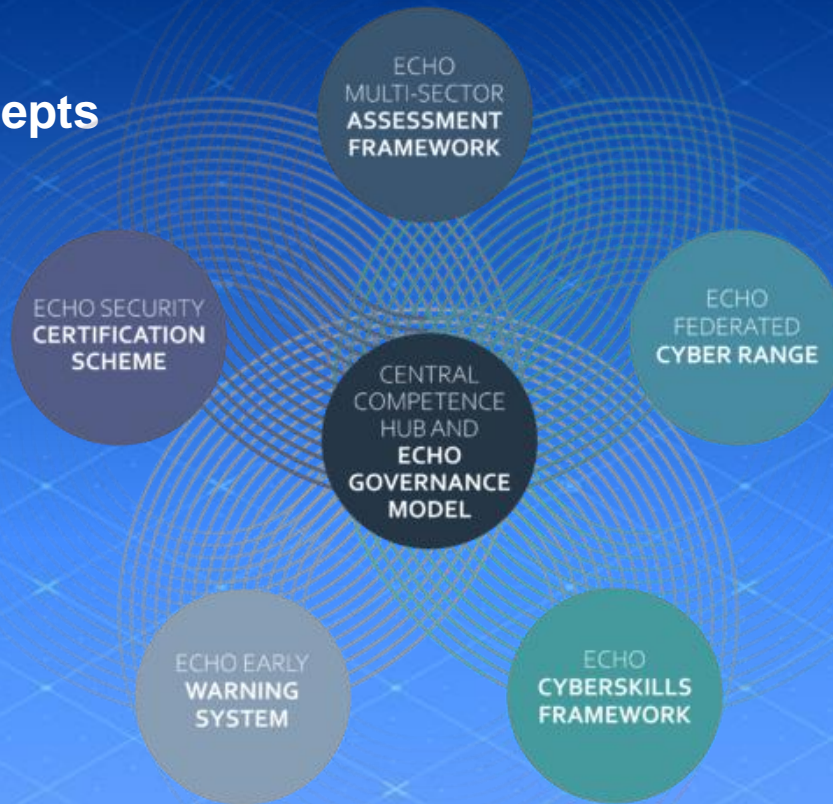
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Main concepts



New engagement opportunities:

- ECHO Targets 15 new partner engagements in the life of the project
- Managed by the ECHO Multi-sector Innovation and Exploitation Coordinator
- Managed through the ECHO Multi-sector Innovation and Exploitation Committee

Participation encouraged via:

- Project Advisory Committee (PAC), targets participation by 15 thought leaders
- Technology roadmaps contributions
- Multi-sector scenarios participation



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Key summary:

- 30 existing partners
- 15 new partner engagements
- 13 Existing centres
- 16 nations
- 9 industrial sectors
- 13 security disciplines
- 5 demonstration cases
- 6 technology roadmaps
- 3 multi-sector scenarios

Six technology roadmaps:

- ECHO Early Warning System
- ECHO Federated Cyber Range
- 2x Early priority horizontal technologies to be developed in the scope of the project
- 2x Horizontal technologies to be developed under separate funding

Three multi-sector scenarios:

- Health care
- Marine Transportation
- Energy as critical infrastructure



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More information :

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The Cyber-MAR aims to develop an innovative simulation environment for accommodating the peculiarities of the maritime sector while, being easily applicable in other transport subsectors, with the view to fully unlock the value of the use of cyber range in the maritime logistics value chain.

To achieve its objectives, Cyber-MAR platform will be both a knowledgebased platform & a decision support tool to cybersecurity measures, towards providing business continuity management.

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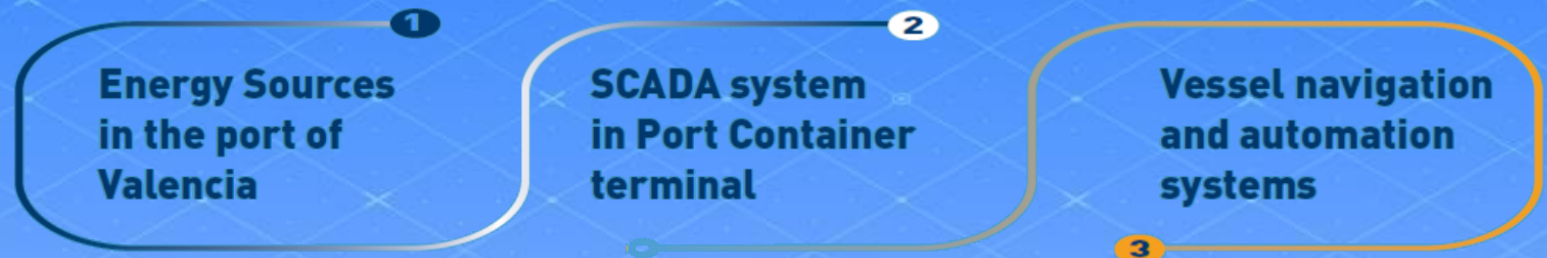
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Objectives

-  Enhance the capabilities of cybersecurity professionals and raise awareness on cyber-risks
-  Assess cyber-risks for operational technologies (OT)
-  Quantify the economic impact of cyber-attacks across different industries focusing on the maritime logistics value chain
 - Promote cyber-insurance market maturity in the maritime logistics sector (adaptable to other transport sectors as well)
-  Establish and extend CERT/CSIRTs, competent authorities and relevant actors collaboration and engagement
- 

PILOT SCENARIOS



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More information

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Securing digital transition of manufacturing industry towards better connected, collaborative, flexible and automated production techniques

The Factory of the Future (FoF) as envisaged by Industry 4.0 trend must exchange digital information with the outside world, just like raw materials and components, in a timesensitive manner. The concept known as collaborative manufacturing drives increased agility, customizability and productivity gains which industries must fulfil to prosper. However, it also tends to increase their exposure to cyberthreats.



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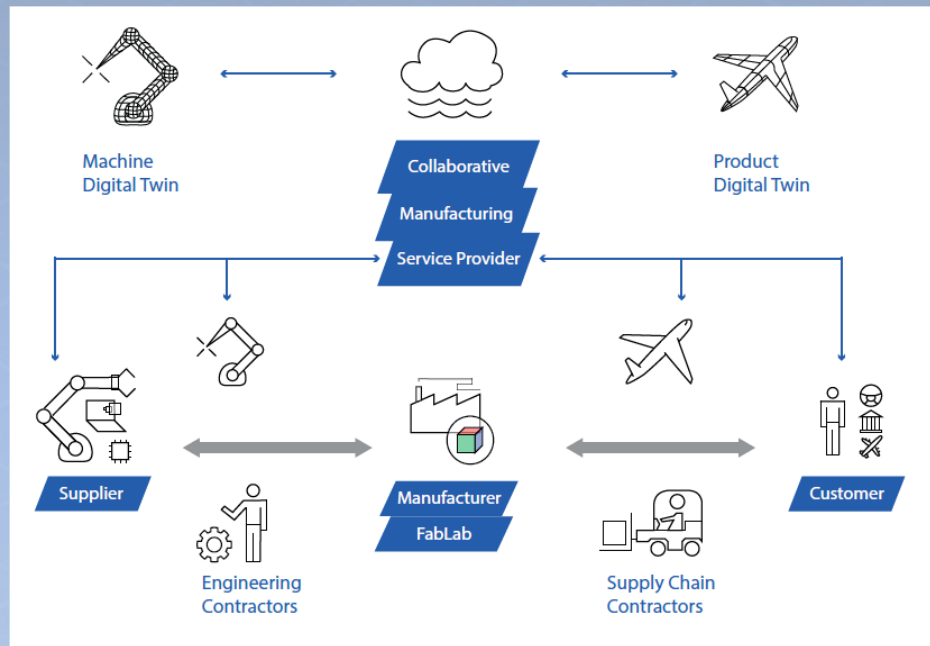


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Collaborative Manufacturing

Evolving towards horizontal collaborative value chain



Approach

Sectorial User Driven Cases



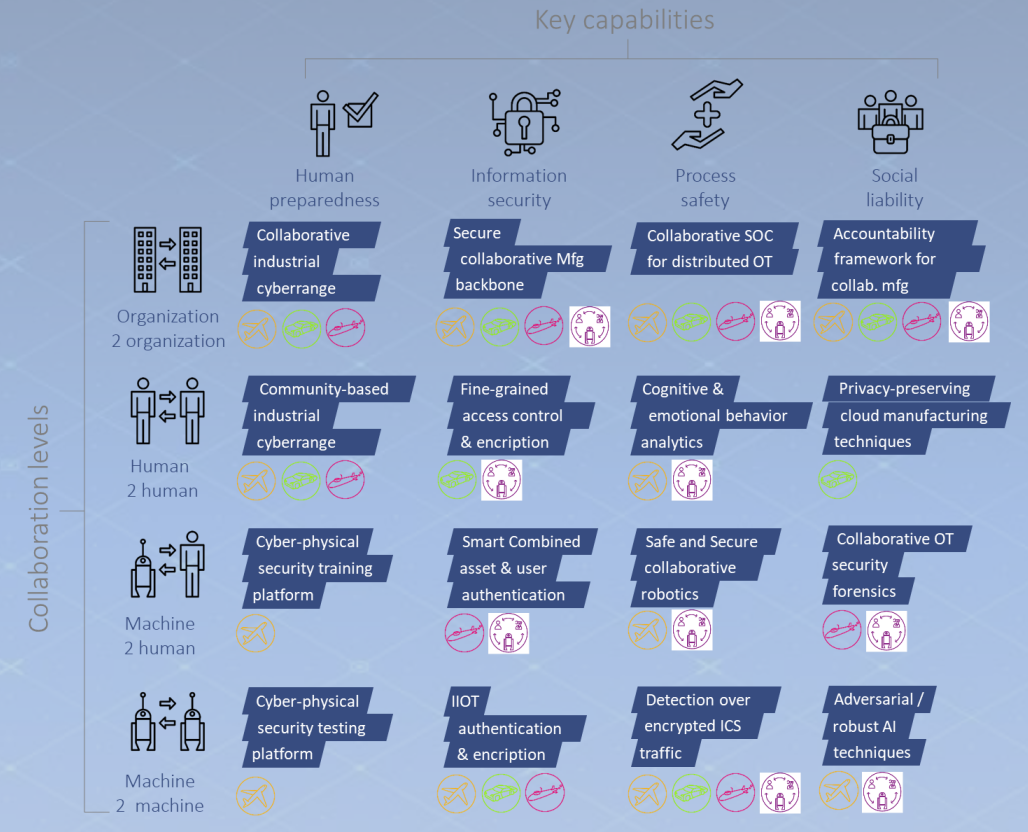
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Challenges and Capabilities



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