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@DYNAMO_HEU



dynamo-horizon

**Project
Coordinator**

Fraunhofer Institute for
High-Speed Dynamics
Ernst-Mach-Institute
(Fraunhofer EMI)

**Project
Coordinator
Support**

Technikon Forschungs- und
Planungsgesellschaft mbH
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Budget

€ 5 Million
100% EU-funded



Consortium

15 Partners
10 countries



Duration

36 Months
10/2022 - 09/2025

Dynamic Resilience Assessment Method

INCLUDING COMBINED BUSINESS CONTINUITY
MANAGEMENT AND CYBER THREAT INTELLIGENCE
SOLUTION FOR CRITICAL SECTORS

Prevent, Respond, Recover

DYNAMO Newsletter - aims at launching a new channel of communication to provide updates on project progress while discussing and highlighting insightful topics relevant to the DYNAMO project.

For more detailed information about the project, we invite you to visit our project website, which is continuously updated with the latest project news: horizon-dynamo.eu.

DYNAMO Overview threats

The current situation regarding potential cyber threats has increased the complexity of critical sectors and infrastructure such as energy, health and transport. With increasing digitalisation and ever-evolving cyber threats, this represents an important pillar for business continuity. DYNAMO intends to develop and refine selected tools and bring them together in a single platform. The knowledge generated by DYNAMO will help to speed up the recovery process and provide contributions to self-healing. More information about DYNAMO and its vision, motivation and objectives can be found in the **project leaflet** and the **elevator pitch**.



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What happened in the last 6 months...

01 DYNAMO Kicked-off

The project successfully started with a **virtual and a physical kick-off meeting** in October 2022. Both events were coordinated by Fraunhofer EMI and focused primarily on project, work package and task management inclusive of reviewing plans and bringing team members together, as well as laying the foundation for further collaborations for the next 36 months. The physical kick-off meeting took place at Fraunhofer EMI in Freiburg im

Breisgau, Germany from 18 - 20 October 2022. The agenda at the kick-off meeting in Freiburg included productive discussions as well as a dinner in the beautiful old historic city centre to strengthen the team and the associated cooperation. The next meeting of the consortium is planned for May in Rome at one of our end users, the Gemelli Hospital.

02 1st Co-Creation Workshop

DYNAMO Project's first Co-Creation Workshop was held on the 7th of December, with a total of 29 partner representatives from the consortium and 3 external stakeholders in attendance virtually. The interactive workshop was hosted by the consortium partner KEMEA. The aim of the workshop was to collectively understand, generate and support the development of the use case for the 3 main stakeholders in the health, energy and transportation sector. Besides many constructive discussions and the definition of requests in the 3 application areas, 6 of our

partners (RHEA, Fraunhofer, LAU, ENGIE, UCC and CERTH) gave presentations about the outlook of the project and their technical solutions. Some of the workshop results were to assimilate all information for the 3 use cases (Naval, Hospitals and Energy), in order to create a connection between use-cases and the corresponding issues that will be handed to the developers to create DYNAMO ways of supporting business continuity. These software requirements will be in use with what DYNAMO should present to the final set of users (from high- to low level users).

03 The official start of WP3 - WP5

In January 2023, Work Packages

- **WP3 Dynamic business continuity: resilience assessment & AI-based solutions,**
- **WP4 Collaborative Cyber-threat intelligence for situational awareness and**
- **WP5 DYNAMO platform integration & testing**

started with the beginning of the 4th project month. Our leaders LAU (WP3) and CERTH (WP4) each organised a kick-off meeting to mark the start of their work package.

DYNAMO Work Package 3 kick-off meeting took place on 14th and 15th February and discussed topics such as human factors in relation to Business Continuity Management (BCM) and Cyber Threat Intelligence (CTI) in resilience building. Other discussions catered to the functioning of the work package – specifically on how task leaders and contributing partners will come together to identify ways to raise user awareness, willingness to use cyber threat intelligence and share relevant information to better respond to cybersecurity issues. Cybersecurity and e-skills assessments and development were seen as ways to build critical capabilities. Relevant training needs will guide work to-

wards developing proactive approaches to cybersecurity. The DYNAMO project will develop resourceful outputs such as guidelines for integrated and cohesive risk and crisis communication strategies that will help build cybersecurity related business continuity, introduce the Resilience Education, Training and Awareness (RETA) training program, and address privacy and FAIR-issues. These will all feed into the overall DYNAMO solutions, and this work package will assess the societal impacts of the solutions.

The WP4 kick-off meeting took place on 6th March, and 23 motivated partner representatives participated. The main significance of the meeting was the formal initiation of WP4 activities. The discussion was focused on the tools that will be developed under each task as well as the interconnectivity and collaboration between the tools in WP4. Each tool presented current functionalities and capabilities; the subsequent advancement of both as a stand-alone tool; and most importantly how these can be enhanced through the collaboration with the other WP4 components. Furthermore, the interconnectivity between the BCM (WP3) and the CTI related tools was discussed. The

main focus of WP4 over the coming months will be the development of the CTI gathering, extraction, sharing and orchestration tools and the design of the internal architecture of the components. The advanced AI analytics, correlation module and the AI-based predictive analytics module will closely follow the advancements of the CTI related components, as the actual development commences later in the project. Finally, all activities will be aligned with the end-user needs and requirements derived from WP2 while supporting the design of the overall architecture of DYNAMO.

WP5 started with the collection of needs risen by the consortium's developers, followed by various activities. The evaluation and definition of the DevOp environment was carried out and, on this basis, a VPN structure with related procedures to access the DevOp environment was set up. Proper communications have been provided to the members of the consortium. In the meantime, the shared DevOp environment has been completed and the documentation describing and detailing has been published. For more details on the progress, do not miss our next newsletter issue.

The work continues, ... so more to come!

The DYNAMO Consortium

The DYNAMO consortium consists of 15 highly qualified business and applied research partners from ten different countries (Germany, Austria, Greece, Portugal, Finland, Belgium,

Ireland, Bulgaria, Italy and France) who combine the know-how that is necessary to implement the project.

 Fraunhofer EMI Fraunhofer Institute for High-Speed Dynamics Ernst-Mach-Institut (Fraunhofer EMI) Germany [Freiburg]	 TECHNIKON Technikon Forschungs- und Planungsgesellschaft mbH Austria [Villach]	 iti Information Technologies Institute Ethniko Kentro Erevnas Kai Technogikis Anaptyxis Greece [Thessaloniki]	 Gemelli Fondazione Policlinico Universitario Agostino Gemelli IRCSS Italy [Rom]
 NAVAL GROUP Naval Group Belgium Belgium [Bruxelles]	 KIMIA Kentro Meleton Asfaleias Greece [Athens]	 KPMG KPMG Ireland [Dublin]	 VISIONSPACE VisionSpace Technologies GmbH Germany [Darmstadt]
 factorSOCIAL Factor Social - Consultoria em Psico-Sociologia e Ambiente Portugal [Lisboa]	 UCC, CUBS, CRBC UCC, CUBS, CRBC Ireland [Cork]	 RHEA RHEA Group Belgium [Wavre]	 SystemX IRT SystemX France [Palaiseau]
 LAUREA AMMATTIKORKEAKOULU University of Applied Sciences Laurea-ammattikorkeakoulu OY Finland [Uusimaa]	 tealink Tealink Business Services Group Bulgaria [Sofia]	 Laborelec RESEARCH & INNOVATION ENGIE Laborelec Belgium [Bruxelles]	



Upcoming Events

DEFEA

09th - 11th May 2023
 @Athens, Greece

22nd European Conference on Cyber Warfare and Security

22nd - 23rd June 2023
 @Athens, Greece

ESORICS 2023

25th - 29th September 2023
 @The Hague, Netherlands

All past and upcoming events can be found on the DYNAMO official webpage:

horizon-dynamo.eu/events