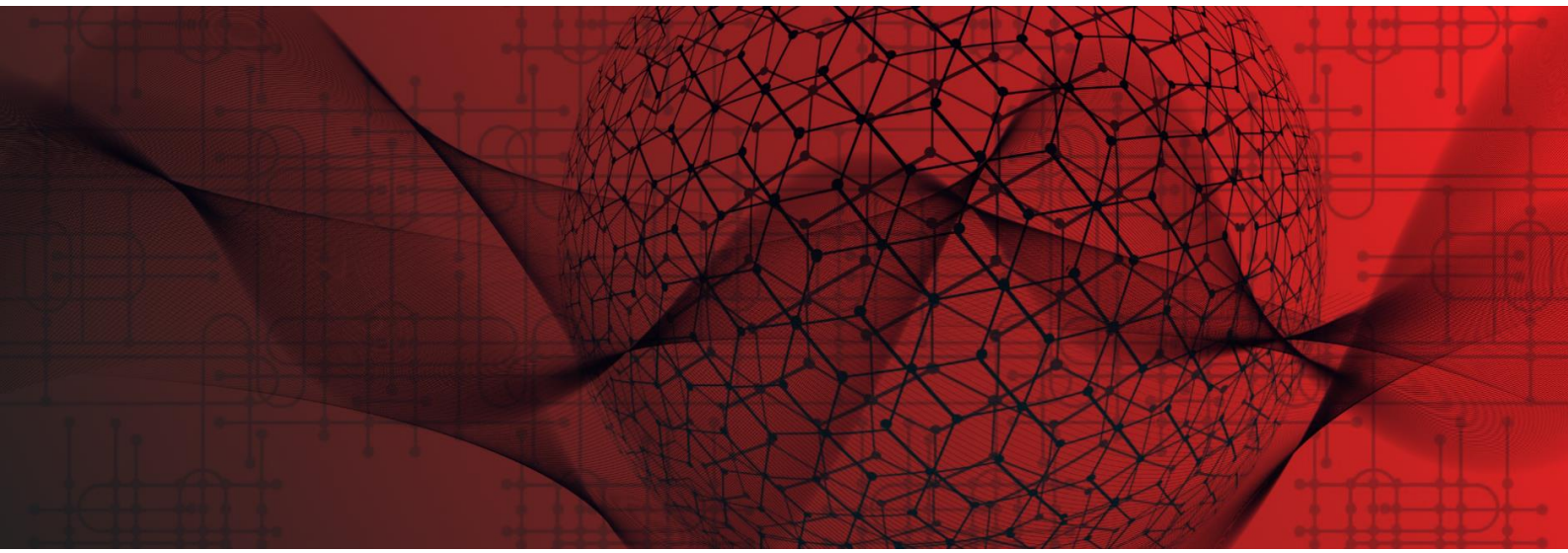
DYNABIC

Dynamic **business continuity** of **critical infrastructures** on top of **adaptive multi-level cybersecurity**

https://dynabic.eu/



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DYNABIC VISION

DYNABIC will increase the resilience and business continuity capabilities of European critical services in the face of advanced cyber-physical threats. This objective will be pursued by delivering new socio-technical methods, models and tools to support resilience through holistic business continuity risk management and control in operation, and dynamic adaptation of responses at multiple planes of action: system, human and organization planes.

OBJECTIVES

Objective 1: Deliver the **DYNABIC Framework** for ensuring increased resilience of critical systems, while assuring the continuity of business and operations through smart dynamic adaptation of the system, human and organisation responses.

Objective 2: Enable Operators of Essential Services to Predict, Quantitatively Assess and Mitigate in Real-time **Business Continuity Risks** and their potential **cascading effects**.

Objective 3: Deliver a new breed of methods and tools that enable **Disaster Preparedness** in Critical Infrastructures and improve **the Prevention** of business continuity risks in cross-organisation and cross-domain incidents and attacks.

Objective 4: Enable the **Dynamic Autonomous Adaptation** of critical infrastructures to meet Resilience goals by the automatic optimization of response strategies and orchestration of the most appropriate combination of system security response measures, and personalised assistance in human tasks.

Objective 5: Facilitate the **Coordinated vulnerability and threat information sharing** across the EU and Enable CI operators meeting the EU NIS Directive's information sharing policy requirements for Operators of Essential Services by delivering a Real-time Automatic Information Sharing Platform..

Objective 6: Foster open innovation and business opportunities through **demonstration** of the DYNABIC Framework integrated into critical services use cases relevant for Europe .

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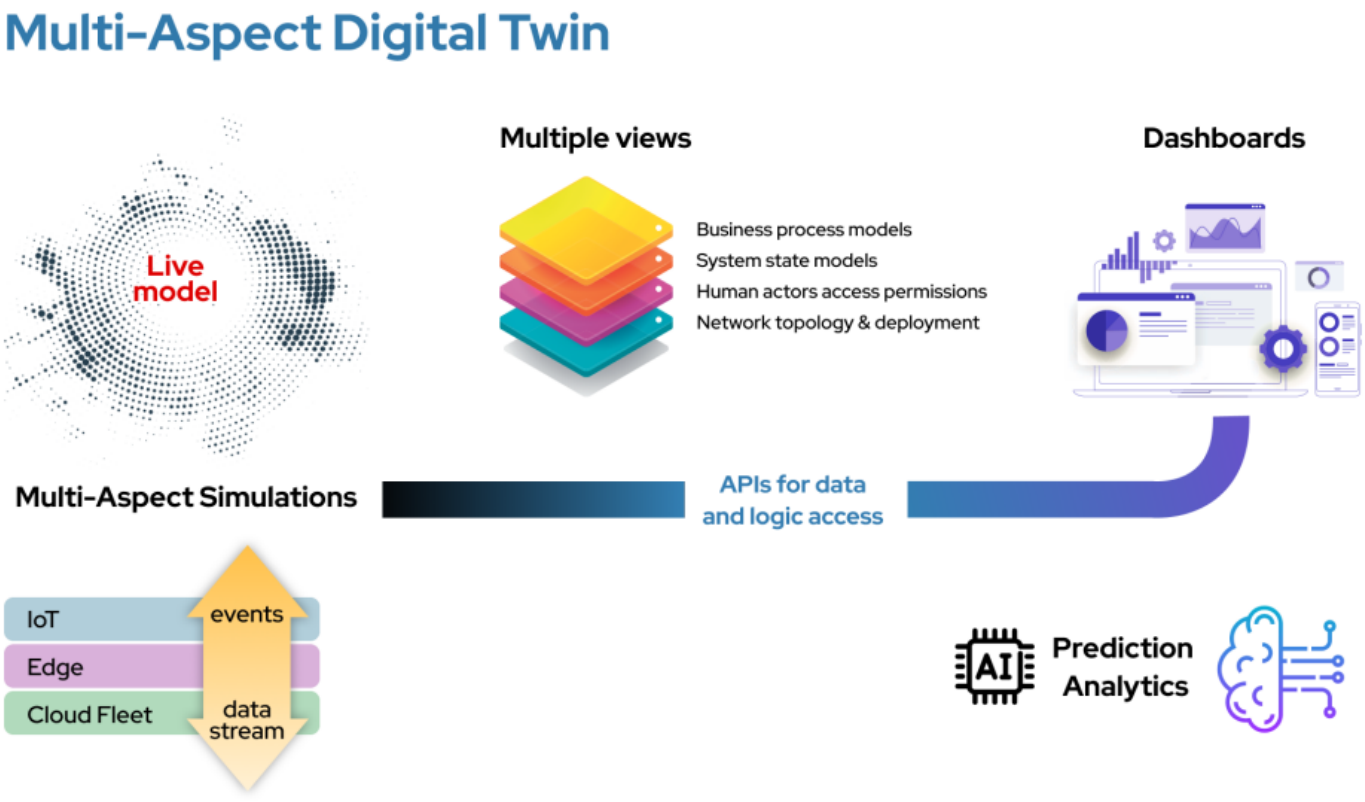
DYNABIC in a nutshell

DYNABIC will elaborate the DYNABIC Multi-Aspect Digital Twin concept and build resilience solutions on top of the use of the MADT of the critical infrastructure under analysis.

The MADT will allow to make analyses and predictions on potential business disruptions and their propagation in critical infrastructures, which may be connected to others in the same domain or in cross-domain.



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Validation Scenarios

Two main types of scenarios will be addressed:

- Smart Preparedness, prevention and Response to Business Disruption risks in 4 critical infrastructures and supply chains:
  - EV charging stations
  - Critical transport services
  - Telco services
  - Hospital services

- Smart Preparedness and Response to Cascading Business Disruption risks in interconnected Critical Infrastructures.

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CONTACT INFORMATION

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