

## Our Newly Launched EU Innovation Action Project SECASSURED: SECURITY ASSURANCE-DRIVEN AI-BASED SECURITY SERVICES FOR TRUSTWORTHY SECURITY ENGINEERING FROM LEFT-TO-RIGHT

*A consortium of industrial actors, research institutes and academia from 10 European countries is developing **AI-based tools for assurance-driven security engineering** to address growing cyber threats, regulatory complexity, and software supply-chain risks.*

**Oslo, 30 January 2026** – The tight collaboration of 19 European partners is looking to redefine how security assurance is integrated throughout the development and operation lifecycle of digital infrastructures. The project aims to strengthen software supply chains by introducing a data-driven, AI-empowered framework for assurance-driven security engineering that delivers continuous compliance, proactive threat management, and certifiable trustworthiness across the IoT-edge-cloud continuum.

**SECASSURED turns assurance into a continuous, intelligent process, delivering a data-driven, AI-powered, and continuously adaptive assurance-driven toolbox built around digital twins covering both development and operational phases. The project will run for a period of three years with EUR 6 million funding from the European Commission’s Horizon Europe program.**

The concept is based on the principle of assurance-driven security engineering — embedding security and compliance as continuous, adaptive processes rather than one-time verifications. The framework integrates AI-driven assurance services, federated digital twins, and SecDevOps/MLOps pipelines, allowing organizations to model, test, and validate systems in secure, virtual environments before and after deployment.

This concept transforms security operations from reactive defence into proactive, predictive assurance, where automated compliance management, vulnerability discovery, and real-time adaptation continuously improve the security and resilience of critical infrastructures.

Key innovation pillars include:

- Continuous assurance through adaptive security models.
- Digital twin-based secure environments for testing and validation.
- AI-powered services for detection, repair, and orchestration.

The SECASSURED project results will be validated in five use-cases – telecommunications, manufacturing, renewable energy, eHealth, and smart electric vehicle charging with fleet management.



Funded by  
the European Union

This project has received funding from the European Union’s Horizon Europe research and innovation programme under grant agreement No 101225858 - SECASSURED. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Cybersecurity Industrial, Technology and Research Competence Centre. Neither the European Union nor the granting authority can be held responsible for them.

The consortium encompasses all stakeholders of the digital ecosystems, including critical infrastructure service operators, OEMs, technology providers, software developers, and security research experts.

The project is coordinated by SINTEF AS (Norway).

## Project Key Facts

*Full Name:* SECASSURED: SECURITY ASSURANCE-DRIVEN AI-BASED SECURITY SERVICES FOR TRUSTWORTHY SECURITY ENGINEERING FROM LEFT-TO-RIGHT

*Grant Agreement No.:* 101225858

*Start date:* 01. December 2025

*End date:* 30 November 2028

*Duration:* 36 months

*EU Contribution:* € 6 million

*Coordinator:* SINTEF AS (Norway)

## Project Partners

### **Bulgaria**

K3Y

### **Finland**

Aalto University

### **France**

Montimage EURL

### **Germany**

Fraunhofer FOKUS

### **Greece**

Centre for Research and Technology-Hellas

Public Power Corporation SA

### **Hungary**

SafePay Systems Ltd.

The Urban Institute Magyarorszag Zrt.

### **Norway**

Norwegian University of Science and Technology.



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SINTEF AS  
TELLU AS

## Romania

AROBS Transilvania Software S.A.  
ASSIST Software SRL  
Orange Romania SA

## Spain

Fundacion Tecnalía Research & Innovation  
IDEKO S COOP  
Industria de Turbo Propulsores S.A.U  
Savvy Data Systems SL

## Turkey

OnBT Bilişim Teknolojileri A.Ş

For more information, visit <https://secassured.eu/>.

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