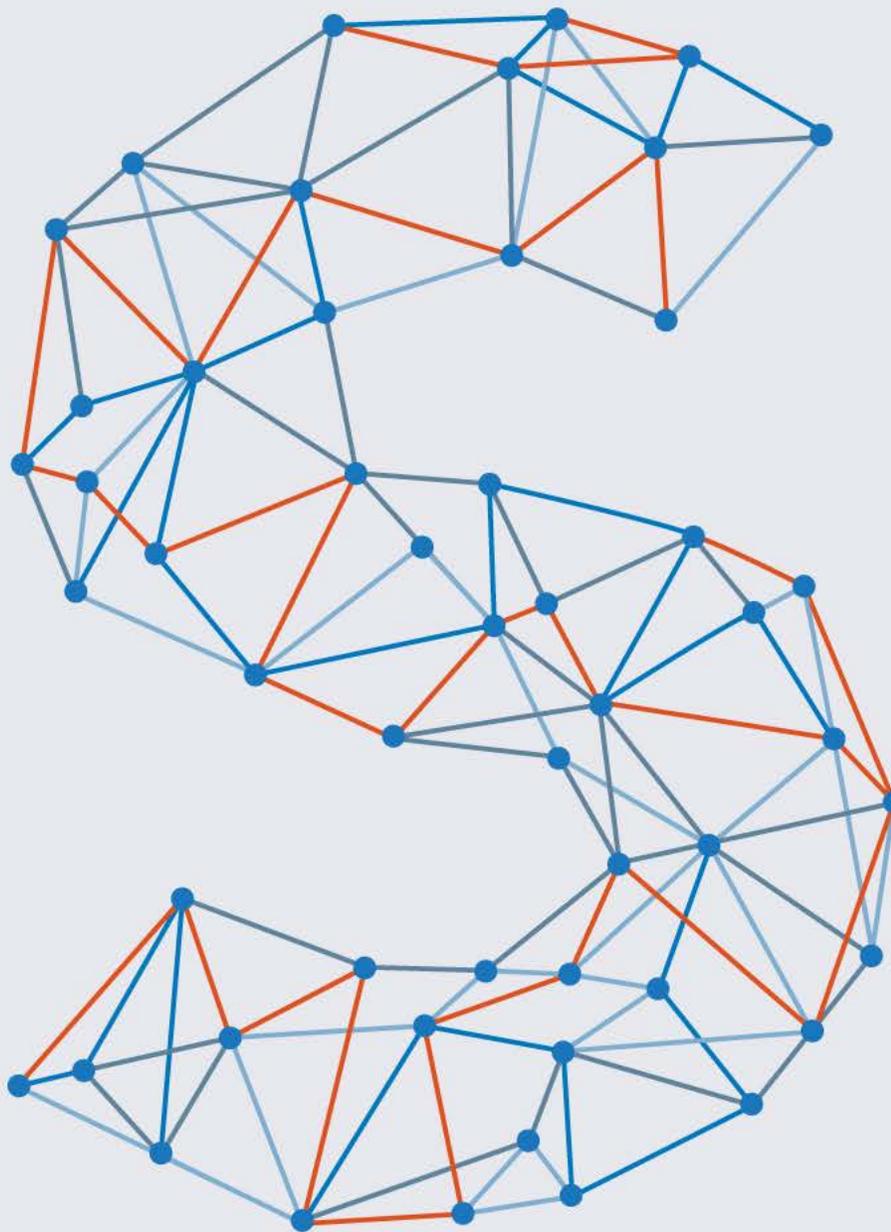




Salón Internacional de la Seguridad

La seguridad nos une.



24-27
Feb
2026

ifema.es



PITCH PRESENTATIONS FOR CLUSTER 3

CIVIL SECURITY FOR SOCIETY – 26 INTERNATIONAL INSTITUTIONS



Jose Luis Diego
Chief of Staff, Head of EU Projects...
Policía Local de Valencia



Antonio Menéndez
R&D Director
IBATECH Tecnología



Noemi García Lepetit
Innovation Consultant at Senior...
Senior Europa SL



Albert Remiro Bellostas
R&D Engineer
National Institute of Aerospace...



Fatma DURU
EU Funding Specialist
ASELSAN



Zeynep Sofuoglu
Project Manager
Emergency Disaster Ambulance...



MIGUEL MARCHAMALO
Full Professor
Universidad Politécnica de Madrid



Tolga Sönmez
Owner
NavAware



Filipe Ribeiro
Senior Consultant
Magellan Circle



Cansu DUMAN
*Interior Architect and Environmenta...
İzmir Metropolitan Municipality



Lola Lucio
European Project Manager
AUPEX - Association of Popular...



David Quintanar García
CMO
CEDRION



Jesus Aivar Mateo
General Manager
SISTAM



Sami Çoksan
Assistant Professor
Erzurum Technical University



Inma Martín Fernández
Business Development
Vexiza



Jana Pezlar Selecká
Innovation projects & Partnetship...
MATSUKO



Filipe Gervasio
CEO
Argo Baum, Tech Precision



Helena Rifà Pous
Associate professor
KISON research group (Universitat...



Mina Joseph
Head of Strategy
iotblue



Pedro Liberado
Chief Research Officer | Coordinator...
IPS_Innovative Prison Systems



Jamie Woolley
Marketing Director
Alpha Unmanned Systems, SL



Daoiz Zamora
CEO
Mobility Ion Technologies SL



Turhan Sofuoğlu
Cofounder of ArinnaNova BV.
ArinnaNova B.V.



Nelson Tavares
technical sales
SIROCO, S.A.



Norbert Szczepaniak
Electronic Products R&D Lead
Poznań Institute of Technology -...



VALENCIA LOCAL POLICE (PLV) Law Enforcement Agency

Jose L. Diego

*Chief of Staff, Head of Innovation and Project Management &
Expert Evaluator for the European Commission*

 proyectosplv@valencia.es

 +34 96 208 5469 / +34 96 208 5538

Spain - Valencia

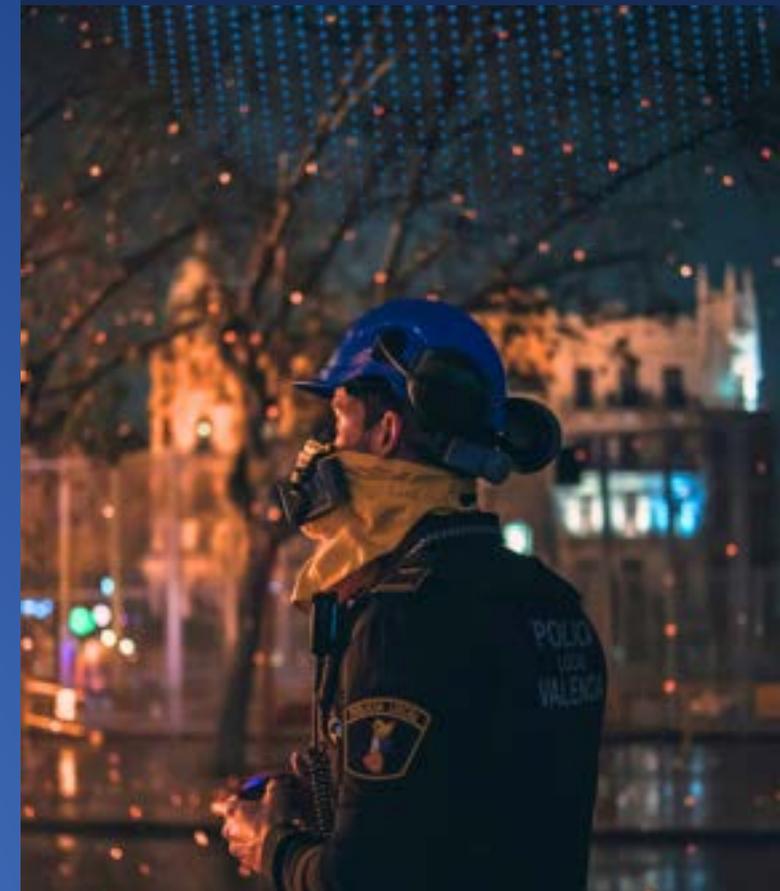


VALENCIA LOCAL POLICE (PLV)

Valencia Local Police (1.7K officers) is one of Spain's leading law enforcement agencies and a pioneer EU-project end-user with participation as coordinator or end-user in over 35 EU-funded security projects.



- Real operational environments to test, validate, and co-create innovative security solutions.
- Crisis management tools, drones, AI, community policing, and crime prevention.
- Stakeholder engagement.
- Drive impact at policy level through practical insights and results.



Previous experience and expertise

Dissemination activities

Conferences



Cybertech Conference
New York



CERIS FCT event
Brussels



World Police Summit
Dubai



European Police Congress
Berlin



CEPOL R&S Conference
Lithuania

Events Hosting



International Summit on Youth and Cybercrime
(CC-DRIVER Final Conference)



New technologies applied to LEAs
(DARLENE project)



International Summit on Pandemics Management
(STAMINA Final Conference)



Piloting activities



beAWARE Pilot

RESPOND-A Pilot



ROCSAFE Pilot



Topics of Interest and Partner's Role

BETTER PROTECT THE EU AND ITS CITIZENS AGAINST CRIME AND TERRORISM

- *FCT-01-01 –Improving capabilities of law enforcement to counter climate-related challenges.*
- *FCT-01-04 –Crime prevention approaches, online and off-line, tracking the nexus between addictions and crime.*
- *FCT-01-05 – Enhancing the security of citizens against terrorism and lone-actor violence in confined spaces such as schools.*

DISASTER-RESILIENT SOCIETY FOR EUROPE

- *DRS-HORIZON-CL3-2026-01-DRS-01: Designing new ways of risk awareness and enhanced disaster preparedness.*
- *HORIZON-CL3-2026-01-DRS-04: Open topic on driving innovation uptake of disaster risk solutions.*

STRENGTHENED SECURITY RESEARCH AND INNOVATION

- *SSRI-HORIZON-CL3-2026-01-SSRI-01: Open topic on supporting disruptive technological innovations for civil security.*

Our Role

- Partner
- End-user role
- WP/ task leader
- Testing, training & dissemination expertise
- Strong links with LEAs around EU.



ClimateAware and CrowdAware

NavAware
SME

Dr. Tolga SÖNMEZ
Company Owner

| Türkiye, Ankara

NavAware is an R&D company specializing in resilient positioning, navigation, and AI-driven sensor fusion technologies for security, critical infrastructure, and safety-critical applications.

NavAware
Resilient Positioning & Situational Awareness Solutions
Trusted Location & Decision Support for Critical Operations

Multi-GNSS + Inertial Sensors + Satellite Data + AI Sensor Fusion

Integrated Data Processing

Continuity, Integrity & Reliability

- Accurate Positioning**
Precise and resilient location
- Smart Monitoring**
AI-powered situational awareness
- Reliable Decisions**
Trusted information for response

Operating in Challenging Environments

- GNSS-Denied Zones**
- Wildfire Areas**
- Flooded Regions**
- Illegal Activities**

The infographic features a background of Earth from space. It uses icons for satellites, sensors, and AI, and includes a flowchart showing the integration of data into processing and then into three key outcomes: accurate positioning, smart monitoring, and reliable decisions. The bottom section shows four panels illustrating the company's operational capabilities in various challenging environments.

- *Experience in Horizon Civil Security projects*
 - **Coordination of 7 CL3 proposals** which received above threshold points after evaluation
 - Having a good network with first responders and end-users around Europe
 - Ability to arrange test and demo sites with the end users
 - **Coordinator** of the **TeamAware** project which was funded under Horizon Europe CL3 2021 calls (ranked number 1 among 95 submitted projects)

ClimateAware FCT-01-01: ClimateAware tackles the growing link between climate stress and organized environmental crime — including illegal chemical dumping, unauthorized mining, and water theft.

Today, environmental monitoring systems detect anomalies.

By combining:

- Copernicus satellite anomaly detection
- Targeted drone-based chemical inspection
- GNSS-secured, chain-of-custody compliant evidence generation

Partners we need:

- *End users: Government authorities*
- AI experience in image analysis
- Chemical sensors for waste analysis
- GIS expert
- Drone operator

CrowdAware DRS-01-01: This is an AI-driven crowd intelligence platform that transforms opt-in citizen signals into real-time disaster preparedness insights. Using smartphone motion data, GNSS integrity indicators, and distributed micro-vibration sensing, we detect abnormal crowd dynamics, early panic patterns, and even structural stress after earthquakes.

Partners we need:

- *End users: Government authorities*
- Telecommunications/network partner
- NGO's
- Structural/seismic analysis
- Emotion analysis in social media,
- AI in crowdsourcing experts
- LLM experts



Your CBRN partner in HE!

**IBATECH Tecnología
SME**

Antonio MENÉNDEZ
R&D Director

| Spain (Madrid)

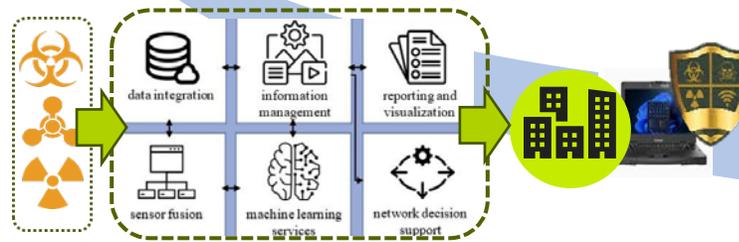
IBATECH in a nutshell

Engineering firm founded in 2009, following +15 years' professional experience and have focused on chemical, biological, radiological, nuclear (CBRN) solutions ever since in defence and security sectors.



Main R&D trends:

- Early-warning multi-domain CBRN networks for disaster prevention and emergencies
- Decontamination solutions + monitoring assessment



Background in R&D Programmes. New technologies enhancing End-user CBRN capabilities in collaboration with 35+ organisations.

EU and Spanish R&D Projects	Organization
ESCUDO CBRN - CBRN communication and detection system	
ASTROLABIO. Laser excitation-induced fluorescence multispectral for biological detection	
QUIXOTE (QUICK XOr TEchnology for B&C cold-plasma decontamination decontamination)	
ROCSAFE - Remotely operated CBRNe scene assessment forensic examination	
NAIADES - A holistic water ecosystem for digitization of urban water sector	
QUIXOTE II (QUICK XOr TEchnology for B&C cold-plasma decontamination II)	
SOBID (Stand-off biological detection)	
MASC-CBRN - Methodology for assessing States Capacity for Countering the Hostile Misuse of CBRN knowledge and material.	
eNOVATION - Extended Network of CBRN Training Centres for Innovation	
COBRA - Cold Plasma Decontamination for Indoor Environments (<i>IDI</i>)	
ARGUS - Portable Advanced Sensory Platform for CBRNE Threats (<i>Misiones</i>)	
AIDMAN - All In one Device for Monitoring of Airbone viruses by Non-experts	

Selected topics in cluster 3.



For Coordination (if needed):

- **HORIZON-CL3-2026-01-DRS-04:** *Open topic on driving innovation uptake of disaster risk solutions*

For Partnership:

- **HORIZON-CL3-2026-01-DRS-03:** *Development of innovative tools, processes, equipment and technologies through responses to disasters and emergencies for search and rescue in hazardous conditions*
- **HORIZON-CL3-2026-01-FCT-06:** *Prevention and mitigation of misuse of synthetic biology for bioterrorism purposes*
- **HORIZON-CL3-2026-01-SSRI-01:** *Open topic on supporting disruptive technological innovations for civil security*

Expected partners:

- **IT Large industry or MidCap** (e.g. modular architecture, advanced algorithms, interoperability and cybersecurity)
- **Sensor SMEs** for hazardous scenarios
- **Novel sensing techniques** by RTOs & academia
- **Available network of first responders. Additional security practitioners are also welcome.**

2027 topics:

- **HORIZON-CL3-2027-01-DRS-01**
- **HORIZON-CL3-2027-01-DRS-03**
- **HORIZON-CL3-2027-01-DRS-04**
- **HORIZON-CL3-2027-01-BM-03**
- **HORIZON-CL3-2027-01-SSRI-01**



Your EU Funding & Affairs partner



EUROPEAN AFFAIRS CONSULTANCY

Filipe Ribeiro
Senior Consultant

filipe.ribeiro@magellancircle.eu

MAGELLAN CIRCLE
SME

Portugal & Italy

Brussels – Porto – Genoa



Partner for European Affairs consultancy, EU funded projects,
communication & dissemination

Project coordination & management

EU Affairs consultancy

Transport & Mobility

Environment & Circular Economy

Defence

Communication, Dissemination & Exploitation

20+ years experience in EU funded projects

Horizon Europe, CEF, LIFE, EDF, Erasmus+, National Programmes, and more

For Security and Defence:

ACROSS – EDF – €14M – Pushing the undergoing technological effort addressing adaptive camouflage for protection of land systems

- Leading the Communication and Dissemination actions, as well as addressing Ethical and gender balance requirements and overviewing impact analysis and assessment

AI4COPSEC – HORIZON EUROPE – €4M – Boosting EU Copernicus Security and Maritime Monitoring with AI and Machine Learning

- Leading Dissemination, Communication, Exploitation and Outreach: branding and strategic planning

We provide expertise in EU funding and consultancy, and look for consortia in need of:

Communication and Dissemination leaders

Expertise in Exploitation, IPR, Ethics & Gender Equality

Presence in Brussels and European networks

<https://magellancircle.eu/>



Offering SSH expertise for EU projects

Kveloce – Senior Europa S.L.
SME

Noemí García Lepetit
Innovation Consultant & COSECUR Coordinator

Valencia, Spain

Kveloce is an international consulting firm specialised in SSH and **European funding programmes for R&I**

Our **Consultancy** Services

- **Project management and coordination** of R&I projects.
- **Grant writing services and reviewing proposals** at EU level.
- **Strategies design** to obtain funding
- Support in the **Communication, Dissemination and Exploitation**
- **Training and capacity building**
- Support in **excellence programmes** such as European Research Council (ERC).



Our **SSH** Research Areas & expertise

+20 years of experience, **+68** completed projects
+164,5 M€ obtained in EU projects
25% success rate

CL3



Coordinated by
Kveloce

Knowledge building and social innovation for a successful, more effective and COproduced urban SECURITY solutions (<https://cosecur.eu/>)

[Topic: HORIZON-CL3-2022-SSRI-01-04](https://cosecur.eu/)

Online open session to co-design security solutions based on Social Innovation: 10 March 2026 Join us!



Public and stakeholder engagement – MAA



Ethics, RRI and DMP in research projects



Scientific & policy communication, capacity building and citizens science



Societal readiness, user acceptance & behavioral change



Safe and Sustainable by Design (SSbD) and impact assessment

CO-SECUR
Co-creating urban security solutions in Europe

Funded by the European Union

10 de Marzo
11:00
ON LINE

Segunda Sesión abierta CO-SECUR:
Construyendo seguridad desde la evidencia en Ciencias Sociales

Logos: CO-SECUR, SAFERGLOBE, SHINE Europe, POLIBIENESTAR UNIVERSITAT DE VALÈNCIA, EP, evalu, Smart Continent, DIGITALEUROPE

What are we **looking for**?

- Interested to provide **SSH expertise to established consortia or coordinate a proposal** for next calls
- Working in **partnership with VIC (Valencia Innovation Capital) to test new solutions/methodologies** in real contexts
- **Topics of interest:** DRS - Disaster Resilience Society (not exclusive)
- **Partners of interest:** Private sector, SMEs, Academia, Public entities...

DISASTER-RESILIENT SOCIETY

HORIZON-CL3-2026-01-DRS-01: Designing new ways of risk awareness and enhanced disaster preparedness

HORIZON-CL3-2026-01-DRS-03: Development of innovative tools, processes, equipment and technologies through responses to disasters and emergencies for search and rescue in hazardous conditions

HORIZON-CL3-2026-01-DRS-04: Open topic on driving innovation uptake of disaster risk solutions

HORIZON-CL3-2026-01-DRS-05: Climate security and civil preparedness – new ways to develop pre- and post-crisis climate-change related scenarios for a more resilient Europe

SUPPORT TO SECURITY RESEARCH AND INNOVATION

HORIZON-CL3-2026-01-SSRI-01: Open topic on supporting disruptive technological innovations for civil security



Integrated Urban Resilience & Climate-Security Solutions for Mediterranean Cities

İzmir Metropolitan Municipality Local Government

Cansu Duman

Interior Architect | B.B.A-Double Major |
EU Projects

İzmir, Türkiye





Izmir Metropolitan Municipality is a large public authority responsible for urban planning, green infrastructure development and climate adaptation strategies across a metropolitan area of over 4 million inhabitants.

We are developing large-scale nature-based solutions focused on drought-resilient landscapes, low-water green infrastructure and ecosystem-based urban cooling strategies. Our approach integrates design, maintenance models and public awareness to transform conventional high-water landscapes into climate-resilient urban systems.

Izmir Metropolitan Municipality is one of Türkiye's leading metropolitan authorities with strong experience in **EU-funded projects**, climate adaptation, urban resilience, and citizen-centred innovation.

We are not only a municipality – we are a **living laboratory** for integrated climate and civil security solutions.

Better **understand society's reactions** and **support community's response to crises** through an holistic knowledge generation to enhance community resilience



- Re-Value – Re-Valuing Urban Quality & Climate Neutrality in European Waterfront Cities
- İzmir Climate Citizens’ Assembly
- Implemented under the EU–UNDP Civil Participation Grant Programme.
- CITIES@HEART (Horizon Europe)
- CLIMAX – Climate risk and vulnerability Assessment framework and toolbox
- Urban GreenUP (HORIZON 2020): Nature-based solutions in Peynircioglu Stream green corridor and Halk Park.
- EBRD Green City Action Plan: Low-carbon and climate-resilient city strategies.
- EU Mission Cities – 100 Climate-Neutral and Smart Cities by 2030
- Sustainable, Accessible and Inclusive Urban Mobility (IPA II) SUMP İzmir
- Green Flag Award: Kültürpark recognized for excellence in inclusive, ecological and socially responsive park management.
- Turkish–EU Town Twinning (İzmir–Ljubljana, 2024): Drought management and wetland adaptation cooperation.

Izmir Metropolitan Municipality participated in the Horizon 2020 project Urban GreenUp, contributing to the implementation of nature-based solutions and large-scale urban green infrastructure for climate adaptation.

Integrated Urban Resilience & Climate-Security Solutions for Mediterranean Cities

Our proposed idea focuses on developing innovative solutions that address emerging urban risks including:

- Climate-related hazards (floods, heatwaves, wildfires)
- Urban emergency preparedness
- Protection of critical urban infrastructure
- Citizen-oriented early warning and risk communication systems
- Data-driven risk analysis and decision support tools
- The project aims to combine climate adaptation with civil security approaches, aligning with the priorities of Horizon Europe Cluster 3.



We are interested in building a European consortium including:

- Research institutions & universities
- Technology providers (AI, GIS, sensors, digital twins)
- Civil protection agencies
- SMEs working on urban security solutions
- Other cities facing similar Mediterranean risks



+90 536 353 53 54

+90 232 293 12 00

cansuduman@izmir.bel.tr

Mimar Sinan District, 9 Eylül
Square, No: 9/1, Hall No: 3 in
Kültürpark, Konak/İZMİR

Interior Architect & Environmental Designer
Bachelor of Business Administration

CANSU DUMAN





Unmanned Platforms Area Capabilities



INTA (RTO, public)

Albert Remiro Bellostas
R&D Engineer

Spain (Madrid)

- **INTA** is a public research organisation specialised in the sectors: Security & Defence, Aeronautics, Space and Nautical.
- The **Unmanned Aerial Platforms** Area has developed since 1992 four complete RPAS including: **SIVA** (medium size tactical), **DIANA** (target drone), and **MILANO** (MALE), **ALO** (small tactical), ALO VTOL and VERT-X.
- Testing facilities: CIAR (Lugo), CEDEA and CEUS (Huelva)

MILANO

FEATURES

- MTOW= 1000 kg.
- Endurance >20 h
- Reliable fault tolerant system
- SATCOM (Global) & L.o.S (150 km)

Use

- Flight test certification in progress
- Structural health Monitoring
- Integration QUASAR

SIVA

FEATURES

- MTOW=300 kg.
- Endurance 6h
- L.o.S IP com. System (150 km)

Use

- Research flight platform (COINCIDENTE)
- Spanish Air Forces
- Spanish Army

DIANA

FEATURES

- 160 kg. Target drone
- Endurance 1h
- L.o.S (75 km)

Use

- Brazilian Air forces
- Integration of P/L for Anti-aircraft systems

ALO

FEATURES

- 3 aviones operativos
- Desarrollos para despegue vertical
- Migración comunicaciones IP

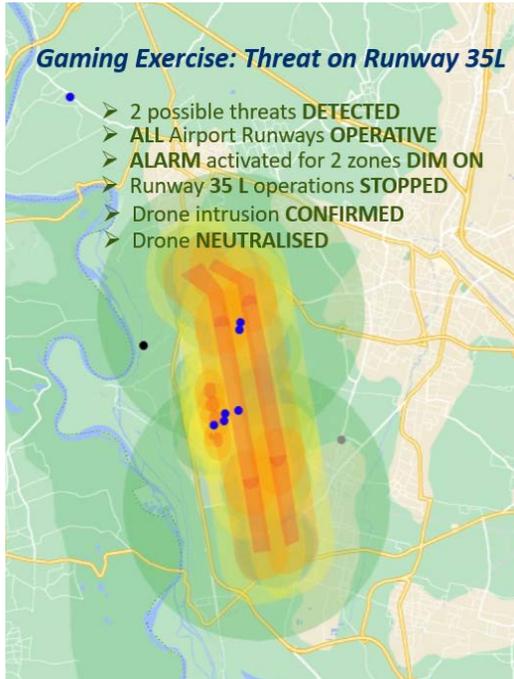
Use

- Research Flight Platform
- SESAR (DEMORPAS)
- Xunta (Skyway)

Air Vehicle (UAV)

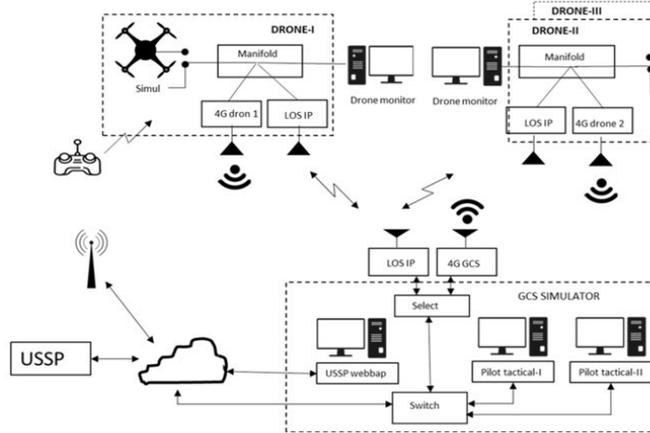
MTOW: 70 Kg
Endurance: > 10 h
Range: VLOS
Ceiling: 14760 ft (4500 m)
Speed: 78 kts (45 m/s)
Payload: 7 kg (5 h)

Previous Projects



ASPRID (Airport System Protection from Intruding Drones) is a **SESAR JU** Exploratory Research project (achieved TRL2) that aimed to answer how to deal with the problem of **protecting airport operations from unauthorized drone intrusions**.

LABYRINTH. Unmanned traffic management 4D path planning technologies for drone swarms to enhance safety and security in transport.



- 2 Quadrotors commanded 1 GCS
- U-space communications.
- 4D Trajectories
- Operations 5G Networks

E-register, e-ID, strategic and tactic conflict resolution, Geo-fencing, Geo-caging.

Operations performed at CIAR Test range



Topics of Interest in CL3

- **HORIZON-CL3-2026-01-BM-01:** Advanced Border Surveillance and Situational Awareness
- **HORIZON-CL3-2026-01-FCT-02:** Open topic on preventing and countering the misuse of emerging technologies for criminal purposes, including issues related to lawful access to data.
- **HORIZON-CL3-2026-01-FCT-06:** Prevention and mitigation of misuse of synthetic biology for bioterrorism purposes
- **HORIZON-CL3-2026-01-DRS-03:** Development of innovative tools, processes, equipment and technologies through responses to disasters and emergencies for search and rescue in hazardous conditions

Contact

Website: www.inta.es

cabezasj@inta.es

remiroba@inta.es



The network of Social Transformation AUPEX

(Association of Popular Universities of Extremadura)

Type (Non-profit)

Lola Lucio
European Project Manager

Spain (Extremadura)



AUPEX is the network of 222 Popular Universities that designs and implements **community-based education** and **civic engagement**, connecting local authorities and citizens to strengthen preparedness, social cohesion and participatory governance

AUPEX can contribute:

- Community-based preparedness innovation
- Social technology for resilience
- Living labs for civil security
- Scalable governance model



AUPEX has extensive experience in carrying out activities in the following lines of work:

- Lifelong education and training
- Employment and digital skills
- Social intervention and inclusion
- Sustainability and ecological transition
- Culture and Heritage
- International cooperation and global citizenship





AUPEX Interests in Disaster-Resilient Society

Community Preparedness & Risk Awareness:

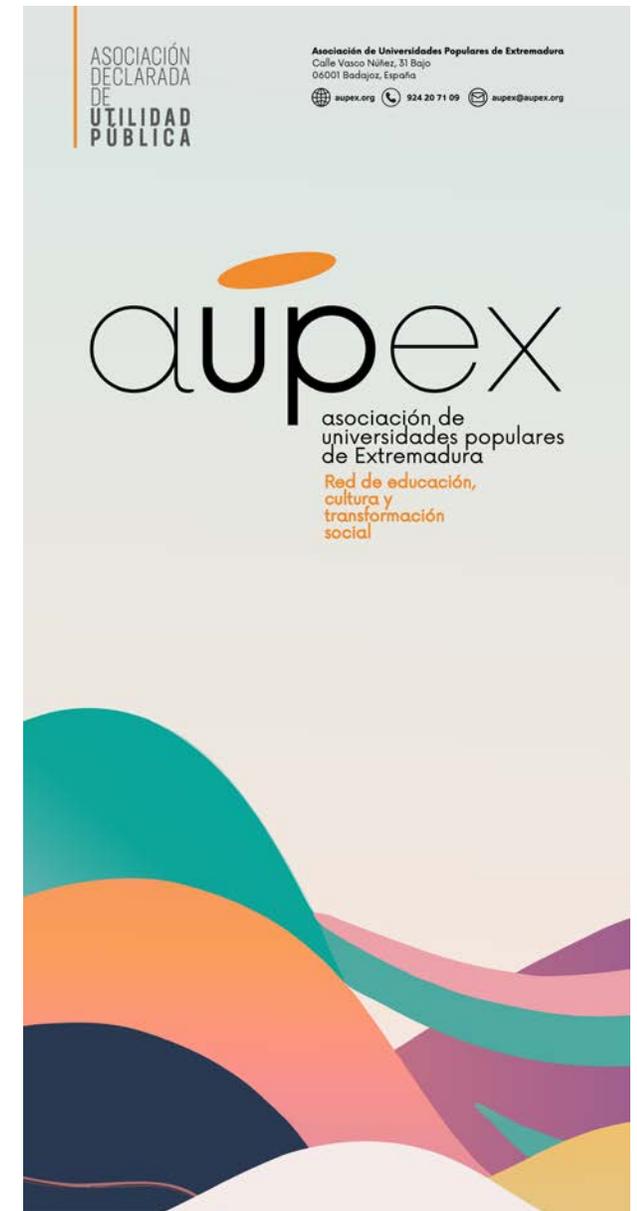
- Co-design & pilot inclusive strategies in rural & vulnerable areas
- Promote risk education & behavioural change → culture of resilience

Multi-Hazard & Technology Engagement

- Translate complex models & rescue tools into simple, actionable formats
- Involve citizens & stakeholders in testing → ensure usability & acceptance

Climate Security & Innovation Uptake

- Co-create climate preparedness scenarios & local adaptation plans
- Facilitate adoption of proven solutions → scale & replicate regionally



<https://www.aupex.org/>



Trustworthy, Robust and Sovereign AI Systems for Security-Critical European Operations (TRUST-AI Shield)

ASELSAN

Large Industry

Fatma DURU

fatmaduru@aselsan.com

Technology & Strategy Management Directorate

Türkiye

Topic addressed: HORIZON-CL3-2026-02-CS-ECCC-02 – Enhancing the Security, Privacy and Robustness of AI Models and Systems (SecureAI)

TRUST-AI Shield : Trustworthy, Robust and Sovereign AI Systems for Security-Critical European Operations

aselsan

TECHNOLOGY SERVING PEOPLE & PLANET

ASELSAN is Türkiye's largest advanced technology engineering and system integration company, developing high-reliability AI-enabled digital systems and end-to-end solutions for complex and high-assurance environments.

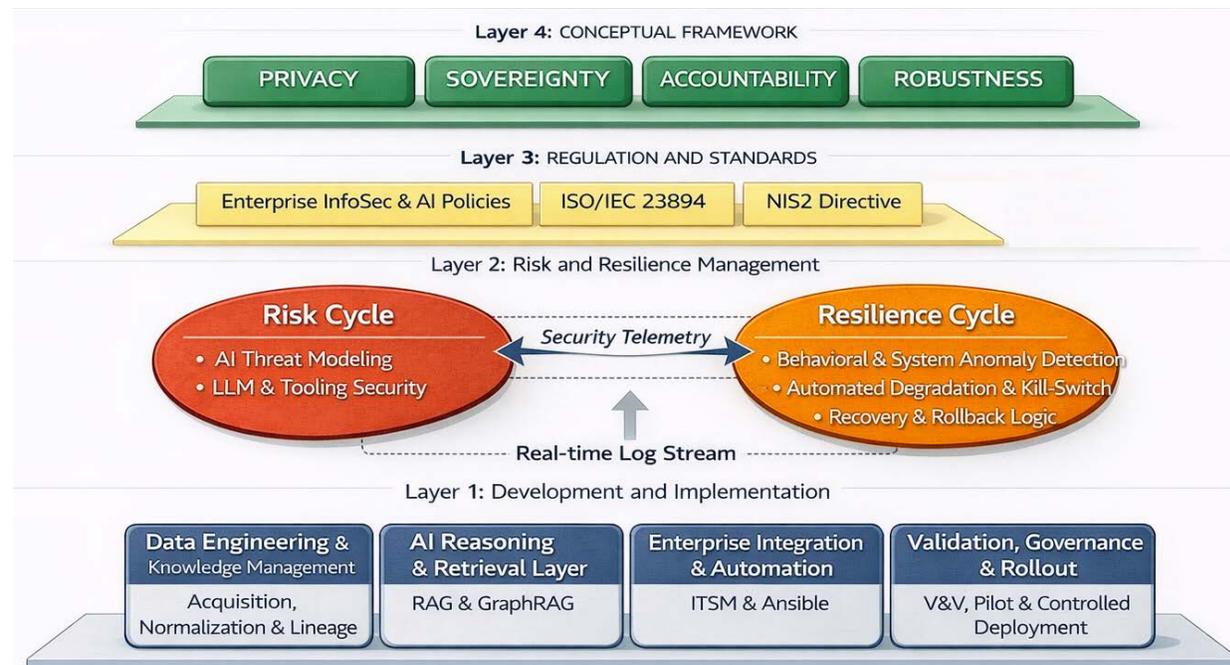
Proposal content: TRUST-AI Shield proposes a **European-grade AI platform** enabling **robust, detectable and fully sovereign AI operation** in security-critical environments such as public administrations, critical infrastructures and regulated enterprise systems.

Problem addressed

- Not robust against manipulation and hallucinations
- Not detectable or controllable during operation
- Dependent on external, non-EU cloud infrastructures
- **Not acceptable for public authorities & critical infrastructures**

Our solution

- **Robust AI core** (controlled LLMs + RAG + knowledge graphs)
- **Built-in detection & monitoring** of anomalous or malicious AI behavior, multi-agent environments
- **Fully on-premise & sovereign deployment** (no external inference)
- **Security-by-design & auditability**, aligned with AI Act & NIS2
- Designed for **real operational environments**, not lab-only AI



Technical Expertise & EU Project Experience

aselsan

TECHNOLOGY SERVING PEOPLE & PLANET



Core Technical Competences

- **Advanced digital and cyber-secure system engineering**, including secure algorithms, key management, trusted computing and information assurance solutions for high-reliability environments.
- **Satellite and space technologies**, covering communication, navigation, sensing and system integration capabilities for complex infrastructure and data-intensive applications.
- **Mission-critical communication and information systems**, including large-scale system integration, data processing, and resilient network architectures for public and industrial use.
- **Advanced sensing and imaging technologies**, including electro-optical systems, signal processing and data interpretation for monitoring, situational awareness and intelligent decision support.
- **Complex system integration and digital transformation capabilities**, spanning software-hardware co-design, automation, enterprise integration and lifecycle technology management.
- **Civilian technology solutions for infrastructure and society**, including transportation, energy and health systems with high reliability, safety and operational continuity requirements.

European Collaborative Project Experience

Active participation in major collaborative projects under **Horizon Europe** and **Horizon 2020**, covering cybersecurity, emergency communication, smart mobility and advanced manufacturing.

- **CYBEREACT (Coordinator, Horizon Europe – proposal stage)**: Large-scale international consortium (21 partner) and advanced generative AI cybersecurity architecture; coordination capability at European scale.
- **FitDrive (Partner, Horizon 2020)**: AI-based behavioural monitoring and smart sensing technologies; successfully completed in 2025 with validated operational outcomes.
- Additional participation in cross-border emergency communication and AI-enabled industrial transformation projects, including real pilot environments and field validation.

Consortium Structure

Project type : Innovation Action (IA) – 36 months – ~3-4 M€

Proposed coordinator : ASELSAN

ASELSAN also interested in:

- HORIZON-CL3-2026-02-CS-ECCC-01
- HORIZON-CL3-2026-02-CS-ECCC-02
- HORIZON-CL3-2026-02-CS-ECCC-03
- HORIZON-CL3-2026-01-BM-01
- HORIZON-CL3-2026-01-FCT-02

We are looking for partners with expertise in:

- ✓ **Robust optimization, adversarial ML, and defense mechanisms**
- ✓ **Detection of AI attacks** (data poisoning, backdoors, etc.)
- ✓ **Real-time anomaly detection, secure monitoring, and AI security operations**
- ✓ **Data source validation, automated data quality controls, and trustworthy datasets**
- ✓ **Federated and distributed learning security**
- ✓ **Privacy-enhancing technologies** (fully homomorphic encryption, confidential computing)
- ✓ **Trusted execution environments and secure AI deployment**
- ✓ **AI legislation, compliance, and data protection/privacy (e.g., GDPR)**
- ✓ **Critical use case providers** (public authorities, critical infrastructure operators, large enterprises for pilot/validation)
- ✓ **AI transparency, model evaluation, and security test standardization**



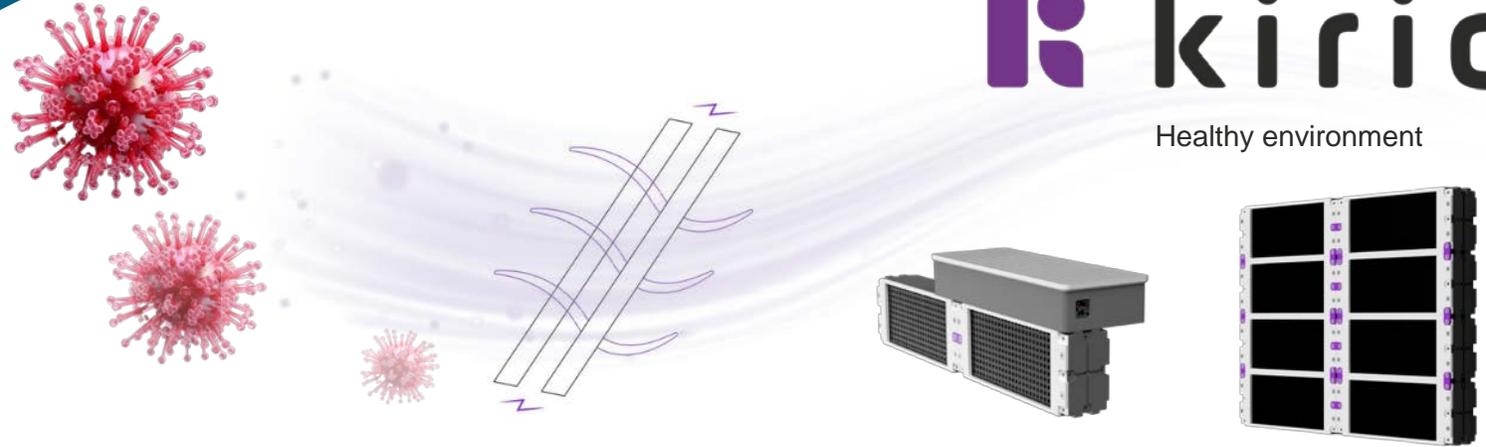
Invisible Shield: Neutralizing Airborne Biological Threats in Real Time

Kirion (Tech developed by CEDRION)

Type (Startup)

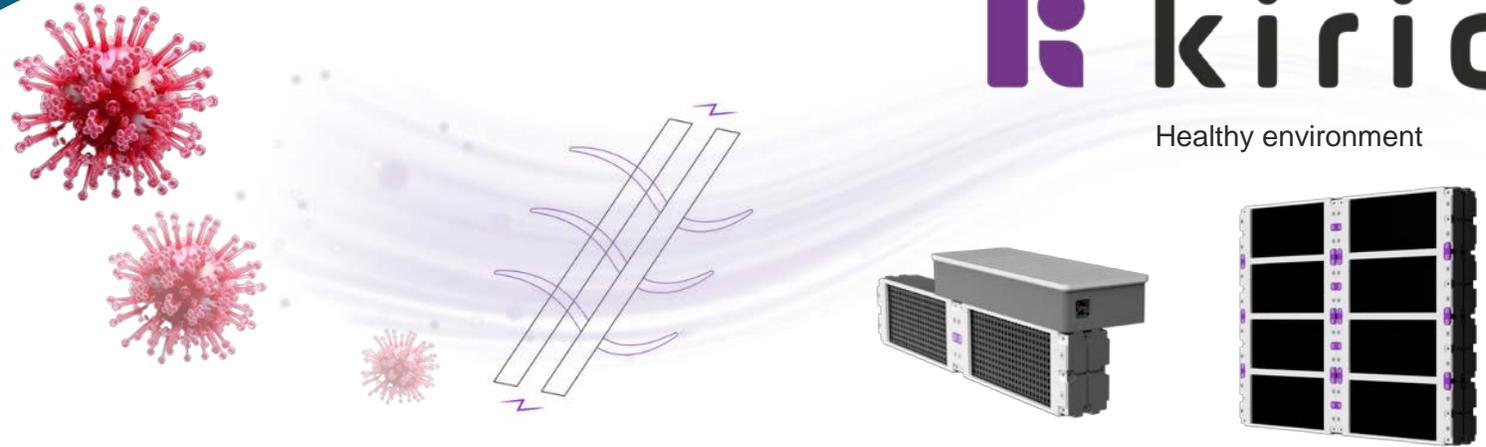
David Quintanar
CMO

Spain, Madrid



Kirion Healthy Environments develops and deploys advanced **ionic wind biosecurity** solutions for Health Infrastructures (Ambulances, Hospitals, Laboratories, etc).

Kirion's innovation leverages **cold plasma-driven ionic wind** technology to create controlled ionized airflow that actively **neutralize airborne biological hazards**, enabling continuous, low-energy biosecurity protection for enclosed and high-risk environments.



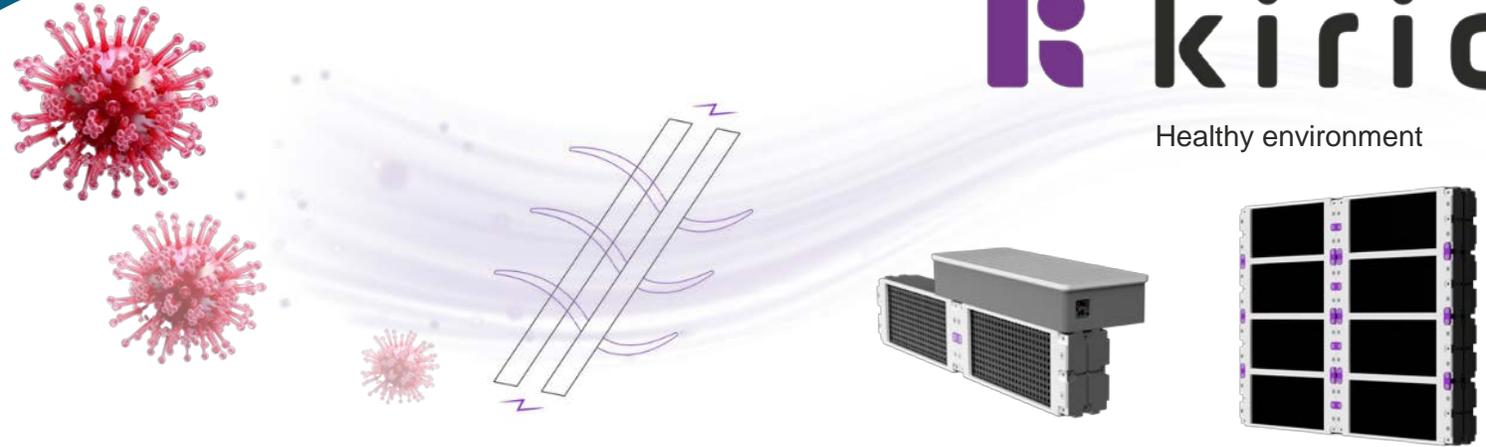
European Projects Managed:

- ✓ SME Instrument – Phase I.
- ✓ FUTTA – Technology transfer project launched by EUROfusion.
- ✓ EIC Seal of Excellence – Awarded in 2020 and 2025 (2× recipient)
- ✓ Multiple Cascade Funding projects.
- ✓ Consortium-based projects – Participation in 5+ collaborative EU projects.



David Quintanar

d.quintanar@cedrion.com



Destination - Disaster-Resilient Society for Europe.HORIZON-CL3-2027-01-DRS-01.

Open Topic on advanced protective gear optimized for CBRN-E (Chemical, Biological, Radiological, Nuclear, Explosives) environments and new generation of smart protective equipment for disaster responders.

We propose: scale and strength the product for NRBQ Special Vehicles, Laboratories, PPEs, etc.

We are looking for: Industrial partners, Training Centers and practitioners involved in training, validation and testing of CBRN-E tools and technologies.



Emergency Disaster Ambulance Physicians Association NGO



Dr. Zeynep SOFUOGLU
Project Manager
zeynep.sofu@gmail.com

Türkiye / Izmir

Brief Description



AAHD supports RTD and innovation activities in the fields of; Disaster Response and Preparedness and Emergency Medical Services, Innovative Triage Management

- Supporting **medical countermeasures** against public health threats
- Innovative **Triage** Methods, pre-hospital and clinical services
- Monitoring FR teams (vital sensing), Risk awareness training,
- Education and training aspects for FR for different disasters
- Providing One Health, SGDs, SENDAI approach



Previous CL3 Project Experiences



- EU project management / FR teams / WP & Task leadership
- Dissemination and exploitation
- Training & exercise design for first responders
- Key performance indicators, Reference Scenarios, Demonstrations and Pilot Testing Activities
- CSA and PCP experience



Expertise Offer/ Expression of Interest



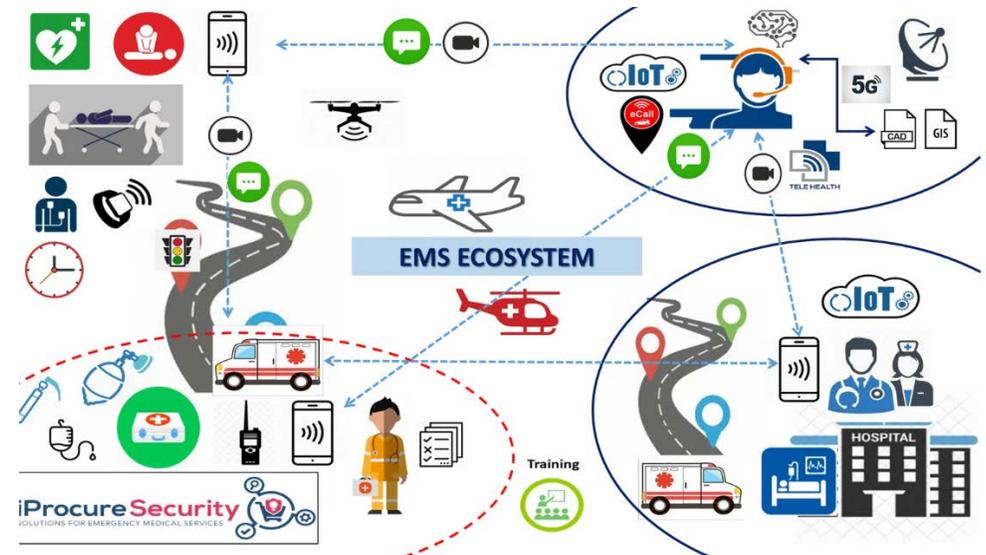
Looking for collaboration **DRS, INFRA and SSRI calls**

Our Contribution

- **Use case design and demonstration** activity planning and management
- Practitioner-centred validation and deployment
- To involve as a security end-users in the role of validator
- and potential first-adopter of the proposed innovations
- Triage Tools testing
- Dissemination, exploitation

We Seek Collaboration With

- Industry, SMEs, Technical Solution Providers
- First Responders, Civil Protection Authorities, Civil Society Organisations and Research Institutions



zeynep.sofu@gmail.com



A Disruptive NDT system for deep auscultation on Civil Infrastructures

Neutronxplore s.l.

Deeptech Startup (SME)

Jesús AIVAR
General Manager

| Spain - Madrid Region

Bridges, tunnels, dams, harbours, airports, nuclear plants, ... all share an invisible enemy: **internal silent corrosion** and the need of **reliable** auscultation systems.

SISTAM is a **deep-tech** development that aims to revolutionize **European capabilities** for **structural resilience and preventive safety**.

Through this deep, non-invasive, high-sensitivity technology we aim to determine the internal health of critical civil infrastructures.

Using **neutrons**, we're capable of identifying chemical pathologies through scanning up to 100 centimeters deep inside concrete, with a fully non-invasive and transportable system.



Morandi, 2018
Genove, Italy
51years, 210m



Viaduct El Castro, 2022
A-6 (Lugo/León), Spain
19 years



From deep science to field deployment – SISTAM is building the European reference technology for predictive structural diagnostics and improve Resilience of Critical Infrastructures

What makes SISTAM disruptive?

- ✦ Deep chemical pathologies detection (up to 1m)
- ✦ Accurate and conclusive results
- ✦ NDT system transportable on-site
- ✦ AI-powered and predictive analytics



Value Proposition

Deeper Insights → Smart Inspection → Resilient Structures

We are particularly interested in increasing technology development from TRL 2/3 onwards:

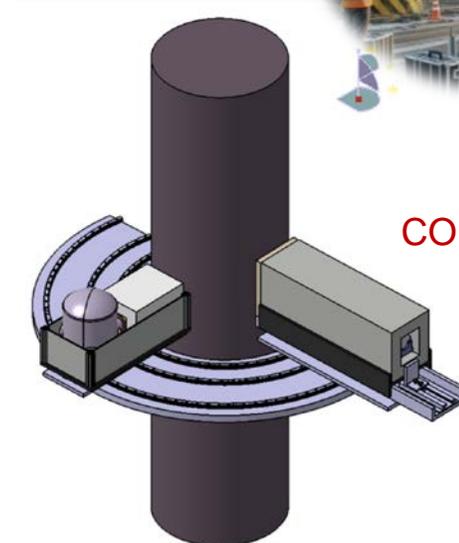
HORIZON-CL3-2026-01-SSRI-01: Open topic on supporting disruptive technological innovations for civil security that solve:

- Reduction of exploitable structural vulnerabilities
- European technological autonomy in advanced inspection technologies
- Aging critical infrastructure in Europe

WE ARE looking for:

- 1.- ***Mechatronic System Developers*** specialized in precision positioning, scanning platforms for co-developing a robust, transportable and positioning system on-site.
- 2.- **Certification & Nuclear Equipment Compliance** specialized in nuclear equipment certification and radiation safety compliance
- 3.- **End Users & Infrastructure Owners such as** Construction & Maintenance Companies, Infrastructures Operators & Public authorities.

Follow us on  : Search SISTAM



CONFIDENTIAL



ICU Prototype developed

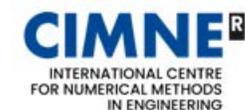


Risk assessment in buildings and critical infrastructures

Universidad Politécnica de Madrid + CIMNE + CompassIS
Academia + SME

Miguel Marchamalo
Researcher & Professor @UPM

Spain, Madrid & Catalonia



UPM–CIMNE–CompassIS is a **strategic alliance** providing expertise in high-fidelity multi-hazard infrastructure modelling, geospatial intelligence and deployable digital twins to support decision-making for critical infrastructure resilience

We bridge the critical gap between:

Physics-based high-fidelity modelling and Operational, scalable decision-support tools

- Multi-hazard structural damage modelling (earthquake, flood, wind, blast)
- Cascading and cumulative impact analysis
- Digital twins for critical infrastructures (dams, levees, energy, transport, nuclear)
- Reduced-order and AI-accelerated models for near-real-time response



International Project Leadership

Seismic Risk Scenarios – National Code Impact- international Kuk-Ahpan Project

Hybrid Twins Integrated Hazard, Vulnerability & Exposure Modelling) → Multi-country coordination & risk-to-policy translation RISK-CARIBERIAN Project



Critical Infrastructure Modelling

Nuclear and HydroPower Plants Risk Assessment (Non-linear FEM)

Multi-hazard modelling: earthquake, flood, wind, blast Dams, levees & critical infrastructure resilience → Experience where cascading failure matters



From Research to Deployment

20+ years engineering simulation & software development

Digital twins & decision-support platforms

AI-accelerated reduced-order models → We transform advanced modelling into operational tools

- ◆ HORIZON-CL3-2026-01-DRS-02 Multi-hazard & cascading **risk management**
- ◆ HORIZON-CL3-2026-01-DRS-03 Innovative tools & technologies for **disaster response and search & rescue** in hazardous conditions
 - ◆ HORIZON-CL3-2026-01-INFRA-03 Innovative capabilities for **resilience of critical entities**

Ambitious Consortium

- Strong impact vision
- Clear TRL roadmap
- Real validation environments

Infrastructure & Security Operators

- Energy (incl. nuclear)
- Water utilities (dams, levees)
- Transport networks
- Emergency & civil protection

Technical Partners

- Hazard modelling
- Robotics / S&R technologies
- ICT, interoperability & data

Let's cooperate!

miguel.marchamalo@upm.es



AI-Supported Police Coordination & Psychosocial Prevention Model for Runaway Missing Children

Erzurum Technical University, Department of Psychology
Academia

Sami Çoksan, Ph.D.
Assistant Professor

| Türkiye



We are a research team developing evidence-based prevention, intervention, and training models for runaway-focused missing children cases.

We develop an AI-supported, privacy-preserving coordination platform that integrates psychosocial prevention interventions and police search decision support tools without centralising sensitive data.



Extensive expertise in risk factors and vulnerable populations, experience in large-scale international research projects in USA, Canada, Italy, Germany & Türkiye, evidence-based intervention design, strong background in psychosocial training and prevention.

Looking for police authorities, child protection NGOs, technology SMEs, legal experts, data protection experts, public institutions, and research groups for pilot and main implementation and platform development.

Open to partnerships in Disaster-Resilient Society for Europe calls.



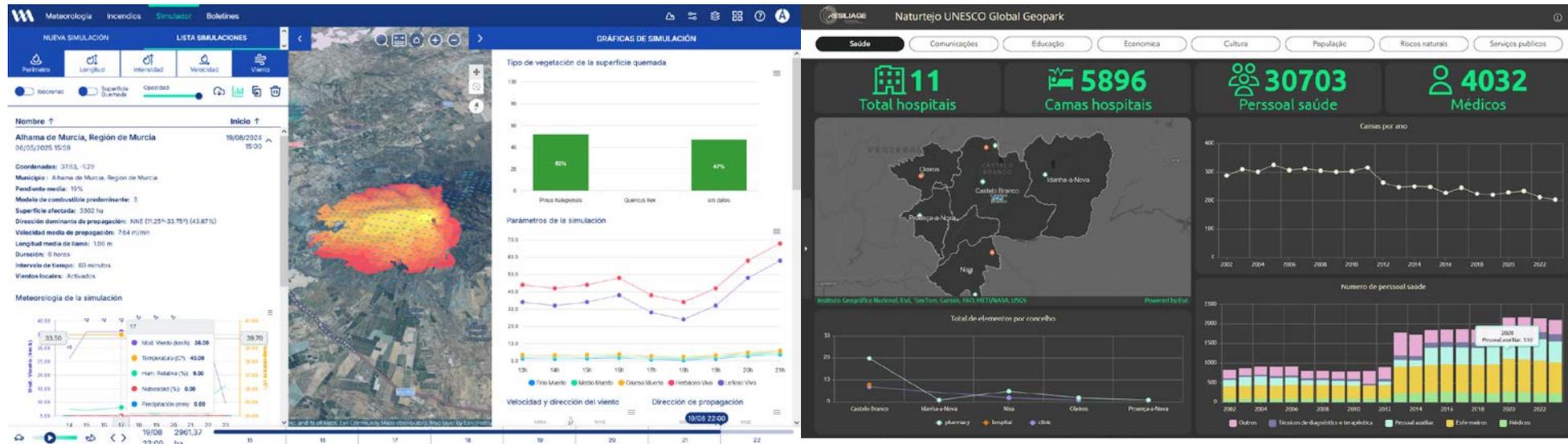
GIS for Emergency Management

Vexiza
SME

Alberto Cerrillo Cuenca
CEO

| Spain - Castilla y León

We leverage geospatial data to provide context at every stage of the emergency management cycle. Vexiza positions itself as a technological partner, in critical areas such as wildfire management, as well as anticipating extreme weather events.



Experience in EU-funded projects related to the emergency and civil protection sector.

- **RESILIAGE (Horizon Europe)**. RESILIAGE aimed at developing new methodologies to assess the impact of natural disasters on Europe's human, economic and cultural heritage. The project brings together 18 consortium members, including universities, research centres and fire brigades from across Europe. Vexiza acts as the provider of digital tools for advanced risk analytics, transforming data supplied by consortium partners into actionable intelligence. [+info](#)
- **SPACE4Cities (EU Agency for the Space Programme)**. The programme supports solutions that leverage COPERNICUS satellite data to provide municipalities with tools to address key urban and environmental challenges. Vexiza contributes to the development of a solution focused on assessing wildfire risk in the wildland-urban interface. [+info](#)

We are interested in Cluster 3 topics related to Digital platforms for disaster risk management and decision-support. E.g:

- HORIZON-CL3-2026-01-DRS-04: Open topic on driving innovation uptake of disaster risk solutions
- HORIZON-CL3-2026-01-DRS-05: Climate security and civil preparedness – new ways to develop pre- and post-crisis climate-change related scenarios for a more resilient Europe

Type of Partner We Are Looking For:

- **End-users and authorities** (civil protection agencies, emergency services, regional or national authorities) willing to validate and pilot the platform in operational environments
- **Technology partners** complementing our expertise in weather and wildfire risk with additional hazard domains



UAV Helicopters For Hard Work

Alpha Unmanned Systems
SME

Jamie Woolley
Marketing Director

| Spain, Europe

Alpha Unmanned Systems is a leader in the design, development, and manufacture of tactical helicopter UAVs and sub-systems.

Alpha UAVs are deployed in 14 countries for:

- Maritime Surveillance
- Border Control
- Emergency & Catastrophe Response
- Infrastructure Inspection



[Video: 2025 Year in Review](#)

Previous experience in EU funded projects or expertise that could be valuable for EU projects

• Horizon 2020:

- RESPONDRONE (MultiUAV, Disaster Response Platform)
- ILIAD (Digital Twins of the Ocean, UAV + IA)
- BALANCE (Disaster Response Readiness)
- Cascade Funding:
 - AcroCrop (Advanced Crop Management & Frost Prevention)
 - Skylink Vision (Delocalization of computing power to ground by using 5G networks, license plate recognition use case and geolocalization for Police)

• European Defense Fund:

- ENGRT2 (Airbus, Leonardo, etc.)



Topics and the type of partner we are looking for:

Topics of Interest:

- HORIZON-CL3-2026-01-BM-01: Advanced border surveillance and situational awareness
- HORIZON-CL3-2027-01-BM-01: Open topic on research and innovation for effective management of EU external borders
- HORIZON-CL3-2026-01-DRS (Disaster-Resilient Society)
- HORIZON-CL3-2027-01-BM-03: Detection and characterisation of threats or illegal/smuggled goods in cargo

Types of Partner:

- End-users
- Payload developers
- Software, AI & Management Platforms (Backend or GUI) developers
- Advanced Manufacturing Specialists





Holographic Collaboration for Civil Security Practitioners

MATSUKO

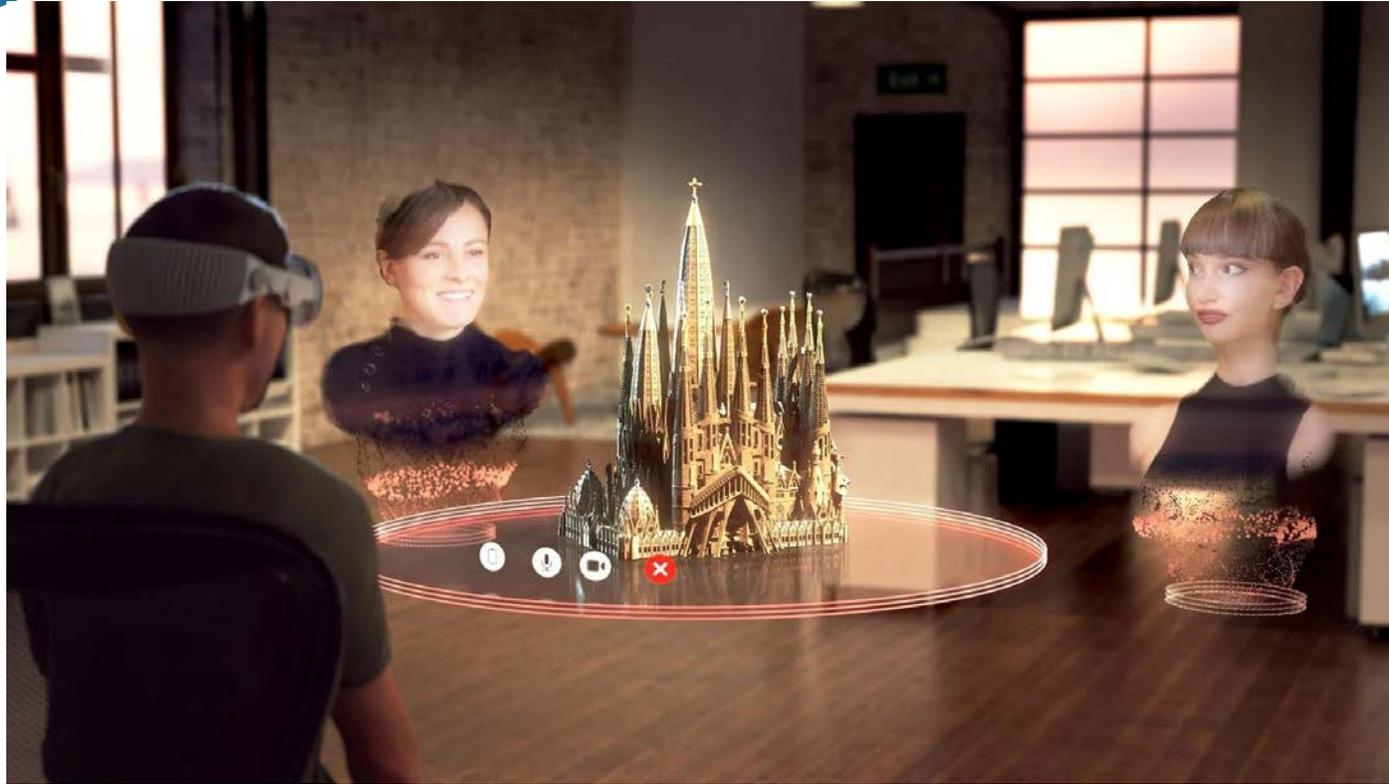
Technology provider (SME)

Jana Pezlar Selecka
Innovation manager

| SLOVAKIA, Kosice



MATSUKO

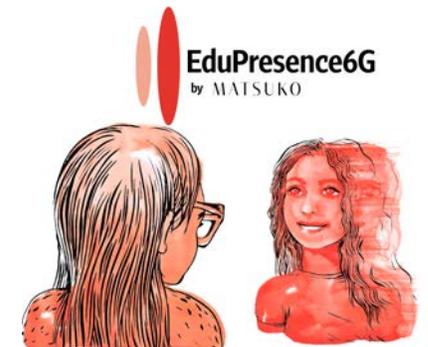


MATSUKO develops AI-based holographic XR technology that enables people to appear and collaborate as lifelike 3D holograms for training, remote operations, and mission-critical communication.

Horizon Europe:



Horizon Europe - Cascade Funding:



Looking for consortium to join as technology provider.

Interested in:

- **HORIZON-CL3-2026-01-DRS-01** – Proposed Use Cases: XR training for disaster preparedness and risk awareness or Holographic instructors and scenario-based simulations
- **HORIZON-CL3-2026-01-DRS-03** – Proposed Use Cases: Real-time holographic guidance for responders or Remote expert presence in hazardous environments
- **HORIZON-CL3-2027-01-DRS-03** – Proposed Use Cases: Multi-stakeholder remote collaboration in crisis rooms
- **HORIZON-CL3-2026-01-SSRI-01, HORIZON-CL3-2027-01-SSRI-01...**



MION – advanced sensing

MION – Mobility Ion Technologies SL
SME

Daoíz Zamora
CEO

daoiz.zamora@miontechnologies.com

Spain / Valladolid

MION develops advanced sensing technology for customs, security operators, police and first responders.

High expertise in **BM, FCT and DRS** topics

The main difference of MION sensing technology is the ultra-low sensitivity in the gas phase, with the capacity to detect low volatile substances in a target mode.

MION has currently 6 Horizon-CL3 projects



2023-DRS-01 / Detection of **bio-toxins in complex matrices**

METEOR 2022-BM-01 / Detection of **drugs in containers** by vapor detection

CUSTOM/AI 2024-BM-01 / Detection of **threats in containers** by vapor detection

SAUST 2023-SSRI-01 / Detection of **threats in baggage** by vapor detection*

PENTON 2024-SSRI-01 / Detection of synthetic drug **clandestine labs** by vapor detection*



PANTHEON

2021-DRS-01 / **New technologies** for first responders

* Coordinated by MION

2026 interest

- **BM-01** - Interest to join a consortium - MION provides confirmatory detection technologies for people, drugs, etc.
- **BM-02** - Interest to join a consortium - MION provides non-intrusive seamless inspection technologies (vapor detection)
- **BM-03 (CSA)** - Interest to join a consortium - MION technology can be used as complementary technology for age assessment
- **DRS-03** - Interest to join a consortium - MION provides innovative tools for first responders. Chemical and Biological detection tools and fire detection tools
- **SSRI-01** - Interest to create a consortium for disruptive technologies with RTO or universities. Advanced detection technologies
- **FCT-01** - Interest to join a consortium - MION provides innovative tools for detection / trafficking



Argo Baum - Engineering Partner for Security & Defence

Filipe Gervásio
CEO

Portugal - Alentejo



Who We Are (Security & Defence Focus)

Argo Baum is a strategic investment, engineering, and innovation company that connects capital, technology, and talent to develop advanced solutions for the Security & Defence sector, aligned with Deep Tech and Industry 5.0.

We operate in the development of critical capabilities for:

- Infrastructure and border protection
- Technological resilience and sovereignty
- Security, surveillance, and crisis response operations
- Modernisation and dual-use (civil–defence) solutions

Our focus is to transform technology into **real operational capability**, with direct impact on national and European security.

Technological & Industrial Capabilities

Argo Baum combines multidisciplinary competencies highly relevant to **Security & Defence**:

- **Advanced engineering & systems development**
- **Production, assembly, and system integration** within a single organisation
- **Cybersecurity & protection of critical systems**
- **Deep Tech & Industry 5.0** (automation, sensors, intelligent systems)
- **Fintech & GovTech** applied to traceability, compliance, and defence financing
- **Sustainability & operational efficiency** in critical environments



With strong experience in innovation strategy, R&D collaboration, and EU-funded projects, we are a reliable partner for:

- European Defence and Security programmes
- Industrial and technological consortia
- Security forces, system integrators, and OEMs

A single partner turning concepts into operational solutions.

+351 932445427 filipe.gervasio@argobaum.com



“Smart Private 5G Networks”

INTELECTIA TELECOM
SME

Marco Maglienti
CCO-Canal B2B

| Spain



Experts in Secure Mobile Communications

All solutions are un-hackable

Smart Private 5G Network = Private 5G Network + Private Transport Mobile Network

- A **Private 5G Network** is a private telecommunications infrastructure that uses 5G technology to provide a unique connectivity to an organization.
- **Private Transport Mobile Network "RTP"** is to interconnect a SIM, connected to a Public Mobile Network in Spain or Roaming, with corporate systems without traffic passing through the Internet. Solution based on the Network layer and the Transport layer.
- **Tactical Bubbles for Critical Communications**

Private 5G Networks: OT / IT Convergence

- Video Surveillance of Critical Sites
- Quality control using cameras and drones
- Increased Operator Traceability (increased maintenance and logistics)
- Predictive maintenance
- AGV (Automatic Guided Vehicle)
- Autonomous vehicles
- Digital twin



**Industry 4.0
Transport
Logistics**



Health & Bank

- Tele- Experience/Remote
- Diagnostics Remote patient monitoring
- Wireless operating room
- Connected ambulance
- Connected offices
- Secure remote access

- Video surveillance/intrusion detection
- Command and crisis center
- Transportable Tactical Bubbles
- Critical multimedia communications



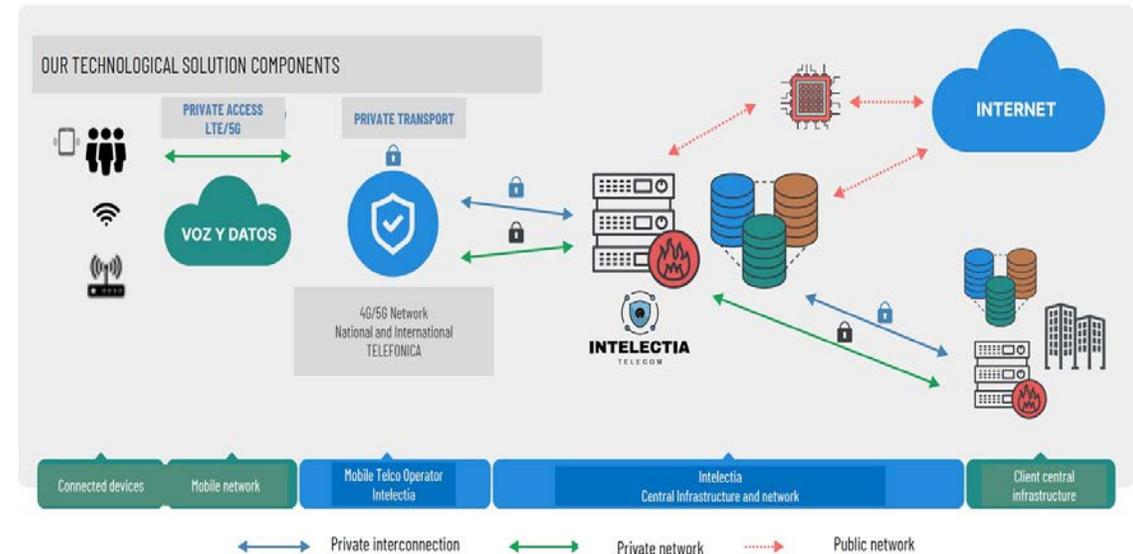
**Army &
Public
Safety**



Media

- Coverage of sporting/cultural events
- New paradigms (RA/XR/VR)
- Immersive experience (gaming, esports)
- 4K, 8K, HDR, XR streams, multi-camera

Our solution: Private Transport Mobile Networks



Previous experience in EU funded projects or expertise that could be valuable for EU projects

ANGOLA



Catholic University of Lubango – ISUCAL

➤ Phase 1 – 2026

- ❑ 4 Small Cell
- ❑ 1Gbps Internet Radio

➤ Phase 2 – 2027

- ❑ 40km FO Backbone
- ❑ R5GP x 12/14.000 SIM
- ❑ R5GP + WIFI Eduroam

SENEGAL



HMPD Sanitario Dakar Millennium Center

- ❑ Triangle plot (231 L x 314 H) = 33.500m²
- ❑ Floor area: 7.520,56m²
- ❑ Internal Surface area: 52.110 m²
- ❑ 50 x Small Indoor R5GP + 60 x DAS

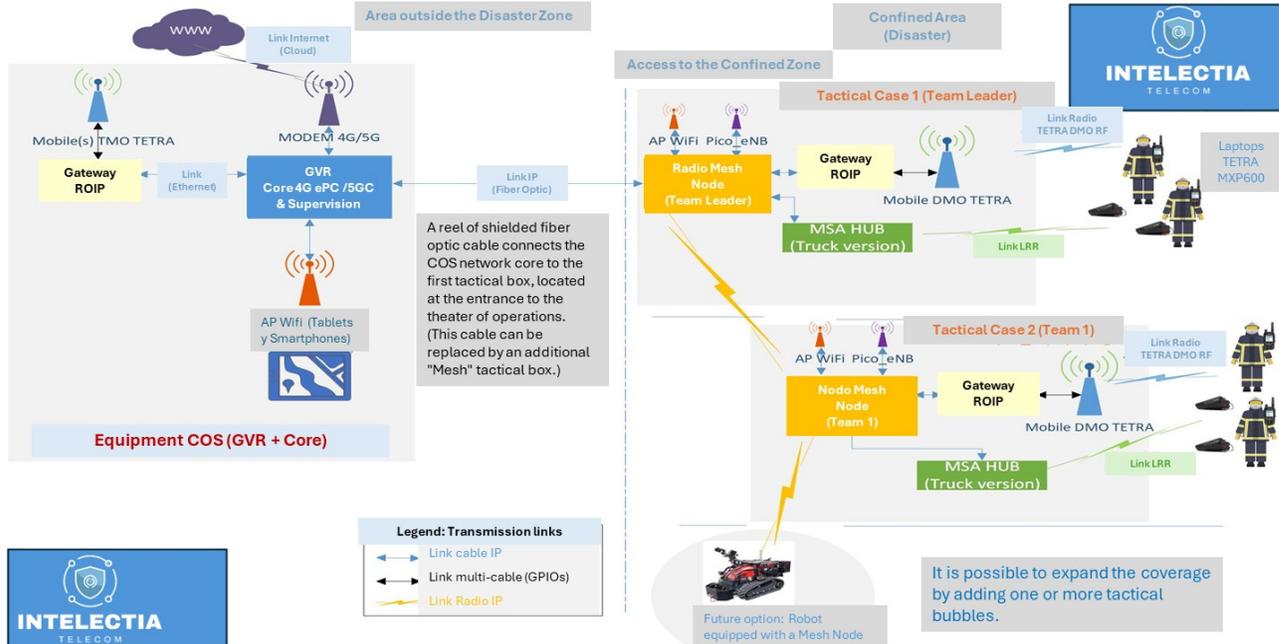
SPAIN – BILBAO



Port Bilbao

- ❑ Area = 8.645.000 m²
- ❑ Perimeter = 12.500 m
- ❑ Private 5G Network, outdoor only
- ❑ 4 outdoor RRUs = 16 outdoor sectors

The type of partner you're looking for Tactical Bubbles for Critical Communications

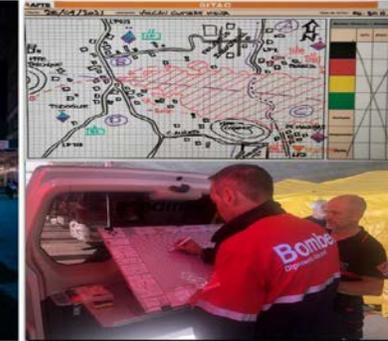


The Problem

Emergency coordination is mainly done with radios, fragmented and delayed information



Information Saturation: Flow of information coming from various disaggregated sources.



Team Communication: Existing need for faster and better decision-making, along with agile coordination of the response.



Traceability: Information is not stored adequately to allow for in-depth analysis after the incident.

The Solution: Icairo

Emergency management software that optimizes coordination, improves situational awareness, and automates report generation.

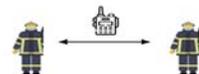


Data: LTE scalable to 5G



Firefighter Tracking
Drones
Cameras

Voice TETRA



Interactive mapping, map layers (GIS), emergency plans, building plans, SITAC tools



Streaming de Video desde cualquier fuente (CCTV, smartphone, drone, helicopteros, bodycam).



Geolocation - of personnel, vehicles, aircraft, etc.



Action protocols through a task manager



Coordination tools: SITAC, command structures, emergency reports



Decision Logs & Messages, complemented with multimedia documentation and voice-to-text.



Capabilities of ArinnaNova

ArinnaNova B.V.
SME



Dr. Turhan SOFUOGLU
Co- Founder / Medical Director

The Netherlands / Amsterdam

turhans112@gmail.com

ArinnaNova B.V. is an innovation company dedicated to advancing intelligent technologies and European research.

We specialize in:

- ◆ AI consultancy and algorithm development
- ◆ Ad-hoc sensor networks
- ◆ Project management for R&D
- ◆ Advanced sensor fusion (GNSS, INS, EO, IoT, RF)



Our team includes experienced researchers, project coordinators, and academics who have led multiple Horizon 2020 and Horizon Europe initiatives.

- ◆ Networking and stakeholder engagement across Europe
- ◆ Horizon Europe proposal writing and coordination
- ◆ EU project management and technical leadership
- ◆ Dissemination and exploitation for EU-funded R&D
- ◆ Training & exercise design for first responders
- ◆ Disaster management expertise & operational planning



turhans112@gmail.com



Expression of Interest

We are actively seeking collaboration for upcoming **DRS and INFRA calls under Horizon Europe Cluster 3.**

Our Expertise

- **Field validation & TRL 6–8 deployment support**
- AI-driven situational awareness & anomaly detection

Our Contribution

- **Use case design and demonstration** activity planning and management
- Practitioner-centred validation and deployment
- AI and multi-sensor fusion backbone development

We Seek Collaboration With

- First Responders, Civil Protection Authorities, Infrastructure Operators, Robotics Providers, EO Partners and Research Institutions.

We are ready to coordinate or act as technical lead in strong, practitioner-driven consortia.

turhans112@gmail.com



SYNTH-SHIELD

KISON Research Group - UOC
Universitat Oberta de Catalunya

Helena Rifà-Pous (hrifa@uoc.edu)
Associate Professor, KISON PI

Spain, Catalunya



UOC is a leading university of quality online education that is rooted in Catalonia and open to the world.

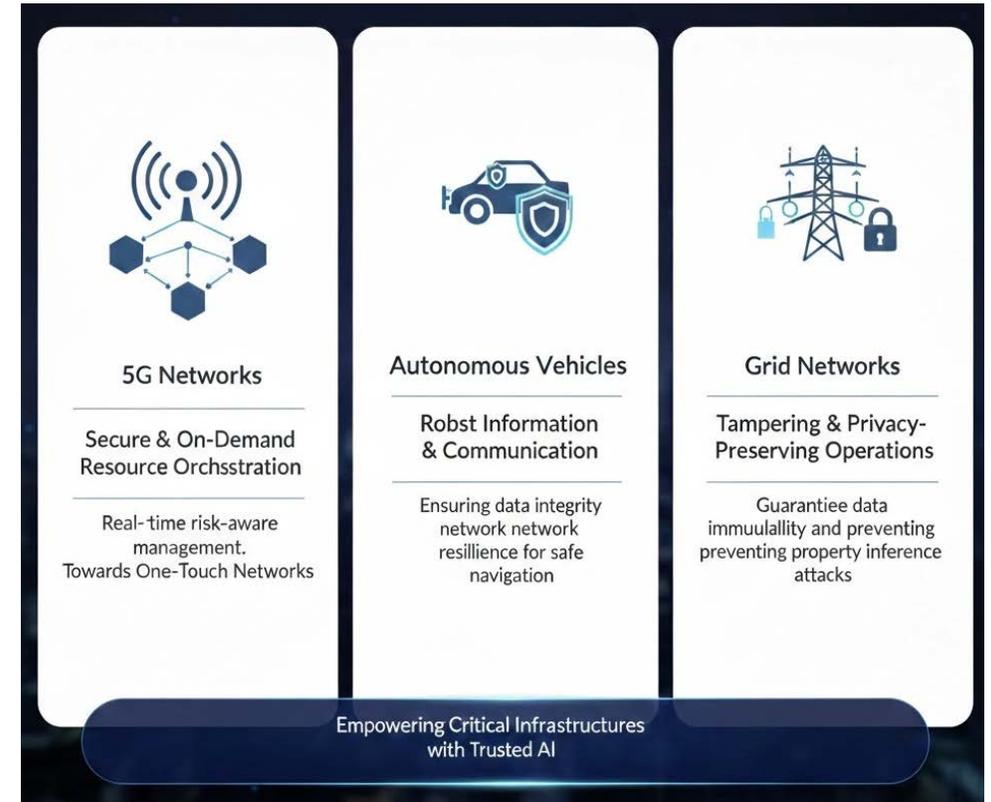
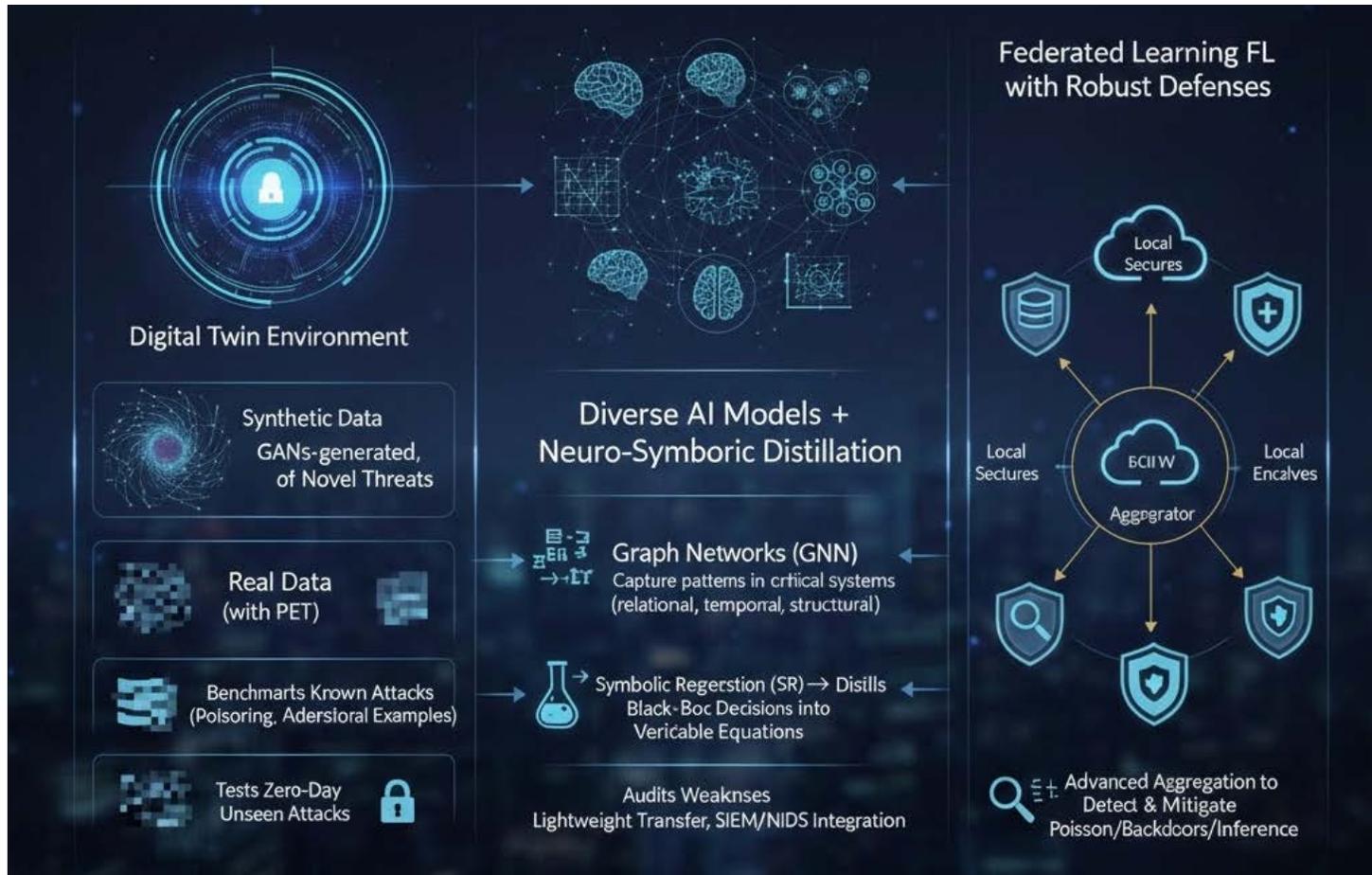
KISON is a research group focused on the compatibility of the security of decentralized networks (IoT, B5G) and the protection of the information.

Related projects since 2024

- Participated in 2 EU UNICO I+D 6G projects (6GEnablers, Free6G) focusing on trust and privacy frameworks for AI-based 6G networks.
- Led 2 national “Retos” projects (SAFE, SECURING) dedicated to sustainable cybersecurity for the IoT.
- Collaborated as a partner on 2 national INCIBE projects (DANGER, ARTEMISA) regarding cybersecurity advances for grid and 6G networks.
- Led 1 international EIG CONCERT-Japan project (DISSIMILAR) focused on detecting and mitigating fake news.

HORIZON-CL3-2026-02-CS-ECCC-02. Enhancing the Security, Privacy and Robustness of AI Models

SYNTH-SHIELD: A Synthetic Data-Driven Digital Twin Framework for Robust and Privacy-Preserving Zero-Day Threat Detection





Partner Search

▶▶ KISON covers:

- Robust AI & Multimedia security: Neuro-symbolic AI models, Defensive distillation, adversarial robustness, watermarking
- Privacy-Preserving Tech: Federated Learning (FL) orchestration, Differential Privacy, and ZKP.
- Blockchain for Security: Trusted logging and decentralized identity.

▶▶ What we need:

- Coordinator
- System Integrators
- Synthetic Data engineering
- Digital Twin infrastructure providers
- Use-case providers (5G Operators, Grid, ..)
- Legal and Ethics compliance
- Business & Exploitation partner



sirocco



Special Equipment's and Machine Builder



Nelson Tavares
Technical Sales

Portugal, Aveiro



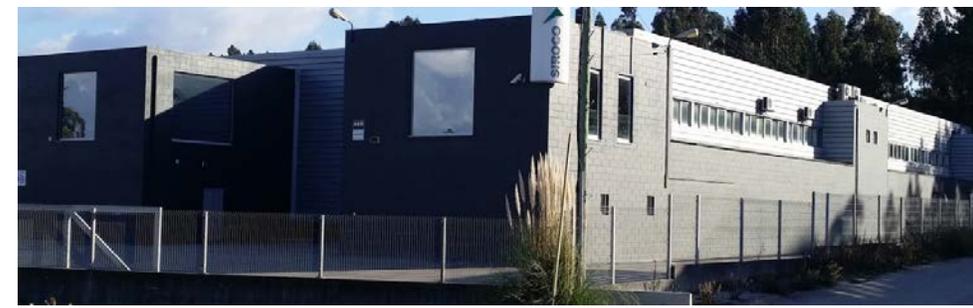
38 years experience on Industrial Automation

Focus on Innovation, Quality & Excellency

Skilled & trained team on Process analysis, Design, Manufacturing, Assembly & commissioning

Know-how on Industrial Processes: Manipulation, Assembly, Welding, Inspection, Testing, Packaging, ...

100% inhouse engineering & production



Build to print projects up to Turn-key Solutions

Jigs & Tools, Crimping Tools

Stand alone Stations With manual feeding

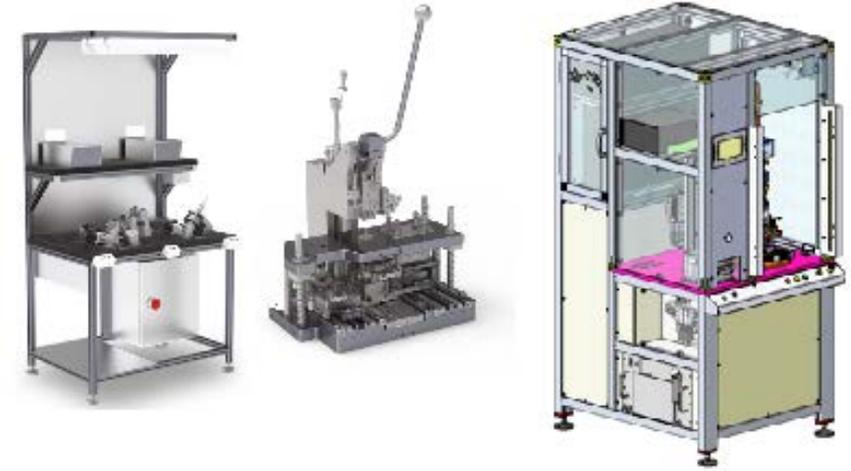
Semi-Automatic Cells & Automatic Lines

Cooperation for:

Process and products Industrialization

Scale up production

Manual process automatization





Cognitive OS for Civil Security & Safety Operations

iotblue - SME

Mina Joseph
Head of Strategy and Alliances
Madrid, Spain

iotblue develops the Cognitive OS for mission-critical control rooms and command centres, bringing safety, security, and operational systems together to help teams anticipate threats and coordinate automated, multi-agency response.

Vendor-agnostic orchestration platform built on AI & IoT enabling:

- Multi-sensor fusion
- SOP automation
- Interoperability across agencies
- Real-time decision support
- Digital twin

Applicable to:

- Public Safety
- Border Security
- ITS
- Critical Infrastructure
- Smart Cities
- Emergency Response



We bridge the gap between "Research" and "Market" as a High
TRL Partner:

Supporting operational escalation from:

C2 → C3 → C4 → C5 → C6 → C7/ISR

1- Cognitive OS: We provide the operational environment to validate low-TRL innovations (e.g., new AI models, novel sensors) within a functioning control room.

2- Real-World Validation: Proven track record deploying complex C2 to C4ISR systems in Smart Cities, Campuses, and Critical Facilities, enabling data fusion & Common Operational Picture.

Resilient Infrastructure (INFRA)

1. HORIZON-CL3-2026-01-INFRA-03
2. HORIZON-CL3-2027-01-INFRA-01
3. HORIZON-CL3-2026-01-INFRA-02

Disaster-Resilient Society (DRS)

1. HORIZON-CL3-2027-01-DRS-03
2. HORIZON-CL3-2026-01-DRS-03
3. HORIZON-CL3-2026-01-DRS-01

Crime & Terrorism (FCT) & Borders (BM)

1. HORIZON-CL3-2026-01-FCT-05
2. HORIZON-CL3-2026-01-BM-01

1- Coordinators:

System Integrators, RTOs, or Large Industry to lead proposals.

2- End-Users: Police, Infra Operators, Cities, Municipalities to host pilots.

3- Technology Partners: Niche CCTV & Sensors, Systems, Drones, Comms, AI Models providers.



off-grid sensing for critical infrastructure

Łukasiewicz Research Network - Poznań Institute of Technology

RTO

Norbert Szczepaniak
Head of Electronics R&D

Poznań, Poland

Electronics R&D team delivering resilient devices and systems.

concept → PoC → prototypes → validation → pre-series production → **production-ready**



mission-ready
short series manufacturing

Modular off-grid sensing platform

enabling ultra-long-life, cost-efficient,
secure-by-design devices
for early detection of threats
in critical infrastructure.



HE Experience:

SPROUT – built a sensory network to optimise last-mile city logistics

PLANET – created a system to standardise data flow of China-Europe supply chain

CRISTAL – delivered smart river buoy system to monitor inland waterway transport

OpenAgri – developing smart, open hardware irrigation system to save water

Our expertise:

electronic devices: ultra-low-power, off-grid, resilient, secure

wireless: NB-IoT, UWB, LoRa, WiFi, GSM, Dash7, BLE

Looking to join consortia as hardware technology partner for electronic systems and devices development and deployment.

Our focus in cluster 3:

RESILIENT INFRASTRUCTURE

- INFRA-03: innovative resilience capabilities (disasters, hybrid threats)

SUPPORT TO SECURITY RESEARCH AND INNOVATION

- SSRI-02: demand-led innovation in security
- SSRI-03: public procurement of innovation for security





INNOVATIVE
PRISON SYSTEMS

Research & Advisory-oriented SME

Portugal

Pedro Liberado

Chief Research Officer

✉ pedro.liberado@prisonsystems.eu



Álvaro García

Chief Technology and Information Officer

✉ alvaro.garcia@prisonsystems.eu

IPS_Innovative Prison Systems is an international research & advisory firm that supports justice, prison and probation, law enforcement, community services, social-inclusion and -(re)integration ecosystems through evidence-based strategies, digital solutions, and capacity-building programmes.

We develop **security integrated platforms, risk & vulnerability assessment tools, training programmes, and data-driven methodologies that enhance decision-making**, improve **operational efficiency**, and **strengthen collaboration** across police, courts, prison, probation, intelligence, NGOs/CSOs, research, tech-partners, and (re)integration stakeholders. **We act from primary to tertiary crime prevention in different areas.**

 **6 Portfolios**

 **+ 70 Projects** (e.g., Horizon, ISF, JUST)

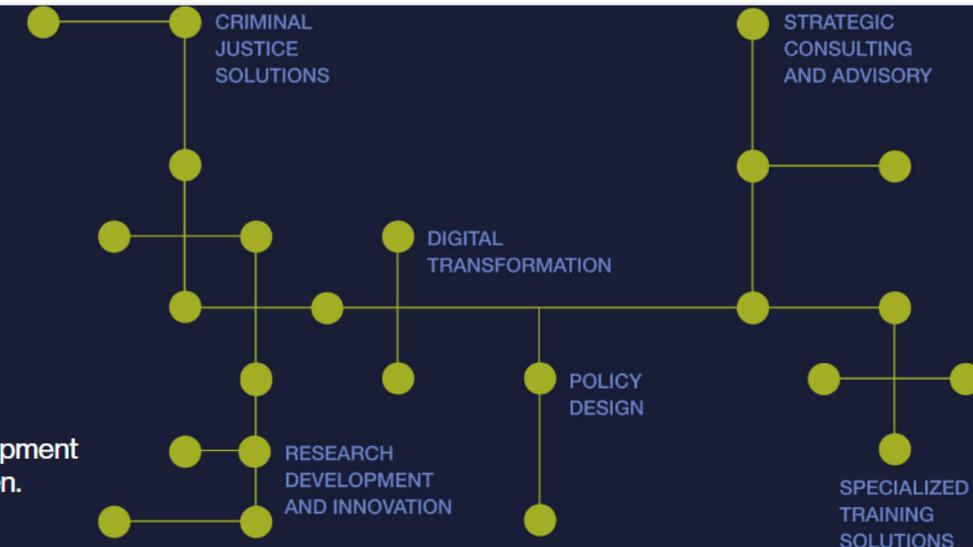
 **+ 350 Partners**

 **+ 60 countries**

 **+ 50k participants**

We take on Criminal Justice challenges

Reliable research, advisory and technology development partnerships that make **innovative** solutions happen.



FCT calls of our interest

FCT-01: Improving capabilities of law enforcement to counter climate-related challenges

- “**resource scarcity** propelled by climate change and the crime opportunities for **organised crime** groups need to be further analysed”
- “improved knowledge of the impacts of climate change phenomena on **social dynamics** which can raise demands from public authorities to keep public order, **moving beyond traditional perspectives about crime and terrorism**”
- “criminal networks will facilitate the **movement of migrants**, including women and children, **escaping conflict** [...]; **increased flux of migration** [...] may raise opportunities for **human trafficking and exploitation**”
- “new forms of **radicalisation and terrorism**, increased **displacement and migration**”

**RAD/VE & OC Dept
Research & Foresight**



FCT-03: Missing persons: prevention and investigation

- “Improved skills, tools and training curricula for LEAs and CSOs/NGOs to work with at-risk groups [e.g., **because of conflict, migration, geopolitical instability, children, victims of trafficking and exploitation**] to prevent persons from going missing”
- Strengthen **collaboration & intelligence gathering/sharing** between **LEAs & prison/probation**.

Community policing & information-sharing



FCT-04: Crime prevention approaches, online and off-line, tackling the nexus between addictions and crime

- “Evidence-based support to **modernising European criminal justice system’s** approach when dealing with addiction-related offenses”
- “emphasis [...] should be on **young people at risk**, the **criminal justice system**, drivers of criminality and pathways from committing a petty crime because of addiction to progressively getting involved in **organised crime**”

**Organised Crime dept
Rehabilitation dept
+ LEAs & P&P collab**



Objective

↳ to build on ISF project 

SHIELDed “Schools, religious communities and local authorities Harmonised Initiative to Enhance Local resilience”

- ISF project focused on **protecting the spirit of community** by safeguarding its **most valuable, yet vulnerable**, community spaces: **schools, places of worship, and cultural centres**.
- **Approach:** Practical & human-centred. By combining digital tools, emotional storytelling, literacy and cross-sector training, **SHIELDed creates a network of trust and mutual understanding**. We act before threats occur, strengthening communities' resilience with the tools and awareness they need to foster tolerance, empathy, and lasting security and safety.

We aim to build on SHIELDed during FCT-05 !

- Potential title: **SAFE-SHIELDed “Strengthening early-detection and cooperation between schools, communities, and police to prevent, prepare & respond to lone-actor violence”**



SAFE-SHIELDed

“Strengthening early-detection and cooperation between schools, communities, and police to prevent, prepare & respond to lone-actor violence”

1. What SHIELDed already does?

Analyses **threats to** (and **vulnerabilities** of) **symbolic places** (schools, PoWs) and **hate-motivated attacks** via **Local Councils** and the **SHIELDing App**.

Focuses on **resilience building, community empowerment**, and **countering hate** and disinformation.

Compiles **soft-targets’ security needs**, vulnerabilities and threats & **adopts multi-level coordination framework** for assessment

Convenes **Local SHIELDing Councils** including security forces, religious communities, schools, and local authorities.

2. Expected outcomes (FCT-05 call)

Increased understanding of terrorism/lone-actor violence in confined places

Prevention via early signs of isolation/radicalisation; secure and inclusive environment

State-of-the-art means for security in schools and confined spaces

Improved cooperation between Police Authorities and relevant staff

3. What SAFE-SHIELDed will do?

Expand analysis from **local** to **micro-meso-macro lone-actor** vulnerabilities & risk to act **mapped vulnerable spaces** (during SHIELDed)

Embed lone actors **early-warning vulnerabilities** into cross-staff **protocols/actions** (micro-meso-macro); inclusive prevention programmes with youth and communities.

Introduce **security-by-design measures** and **scenario-based training** to support evidence-based decision-making & action (**predictive CP**)

Context-specific **actionable cooperation protocols**; EU-level guidance and joint scalable training modules (*why, what, who, how, when*)?



CS-ECCC-01 pitch



COASTS

"Cyber-resilient **Operational Active** measurements for **Secure & Trusted Supply** chains"

Objective

COASTS will bring intelligence to the world of software-hardware supply chains in Europe.

- Be **resilient to external attacks and tampering** using on chain data.
- Be **auditable and verifiable** using advanced **cryptographic functions** for both software and hardware.
- **Prevent exploits** and **track their source** in the chain of dependencies that exist among providers of software-hardware.
- **Applicable to three use cases in Europe:** eFinance, eJustice, eHealth.
- **Training and crypto agility** for migration to advanced protocols, **enrichment of BOMs** with evidence based IoC systems to **prevent vulnerabilities** of software-hardware by design.

Partners

COASTS brings together practitioners from hardware based secure anti-tampering and Distributed Ledger technology, Network providers, to Banking, Health and Justice use cases with "One-fits-All" approach for secured BOMs interoperability.

COASTS

"Cyber-resilient Operational Active measurements for Secure & Trusted Supply chains"

1. Others before COASTS?

2. Expected outcomes (call)

3. What COASTS will do?

- SBOM is a static DevOps practice, not widely adopted in all verticals.
- SBOM differences and modifications are hard to track in a git like system.
- SOCRRATES* did not apply trust anchors and PQC.

Integrated security-by-design approaches in software development, aimed to be aligned with relevant regulatory requirements

Exchanging Indicators of Compromise (**IoC**) related to **BOM's** privately, avoiding tampering **on-chain** among participants and using **off-chain** state of the art PQC encryption for fast processing.

- Testing methodologies based in DevOps are evolving towards DevSecOps with no standardized BOM methodology.
- AI is in its infancy for DevSecOps and formal verification, beyond aid in coding capabilities.

Security testing methodologies, including formal verification approaches and AI-driven security testing methodologies

Show **early-warning of hardware/software vulnerabilities** into cross-chain **protocols/ actions** together with European stakeholders.

- Standards as ISO27001 or NIST-CSF exist.
- Difficult to audit SBOMs or impossible with verifiable, traceable guarantees.
- Crypto Agility only in certain verticals exists.

Standardized methodologies for hardware security assessment, also contributing to cybersecurity certification

Introduce **security-by-design in the value chain of software and hardware.**

- Unclonable hardware.
- Homomorphic encryption.
- Distributed Ledger Technology.
- Use Cases in key sectors for European Resiliency.

Enhanced security frameworks for both hardware and software supply chains, building on root-of-trust architectures and secure lifecycle management

Context-specific **actionable cooperation protocols for IoCs in hardware/software**; EU-level guidance and training modules to migrate to PQC (*why, what, who, how, when*)?

Thank you for your time & attention!
Learn more about us!



Official website

for FCT-01, 03, 04



Our Portfolios
+ 70 projects

for FCT-03, 04, CS calls



**intelligent Offender
Management
System (iOMS)**

for FCT-05



PITCH PRESENTATIONS FOR CLUSTER 3

CIVIL SECURITY FOR SOCIETY – 26 INTERNATIONAL INSTITUTIONS

THANK YOU ALL FOR YOUR ATTENTION!

FIND THE PITCHING INSTITUTIONS IN THE B2MATCH
PLATFORM

MEET US AT **MADRI+D STAND** (PAVILLION 10 – STAND 08)
FOR A NETWORKING LUNCH