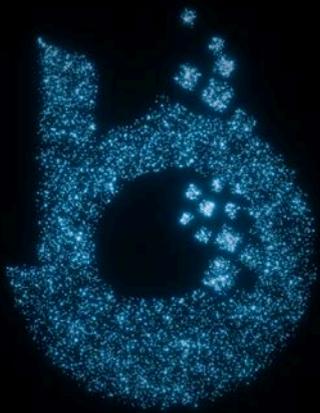
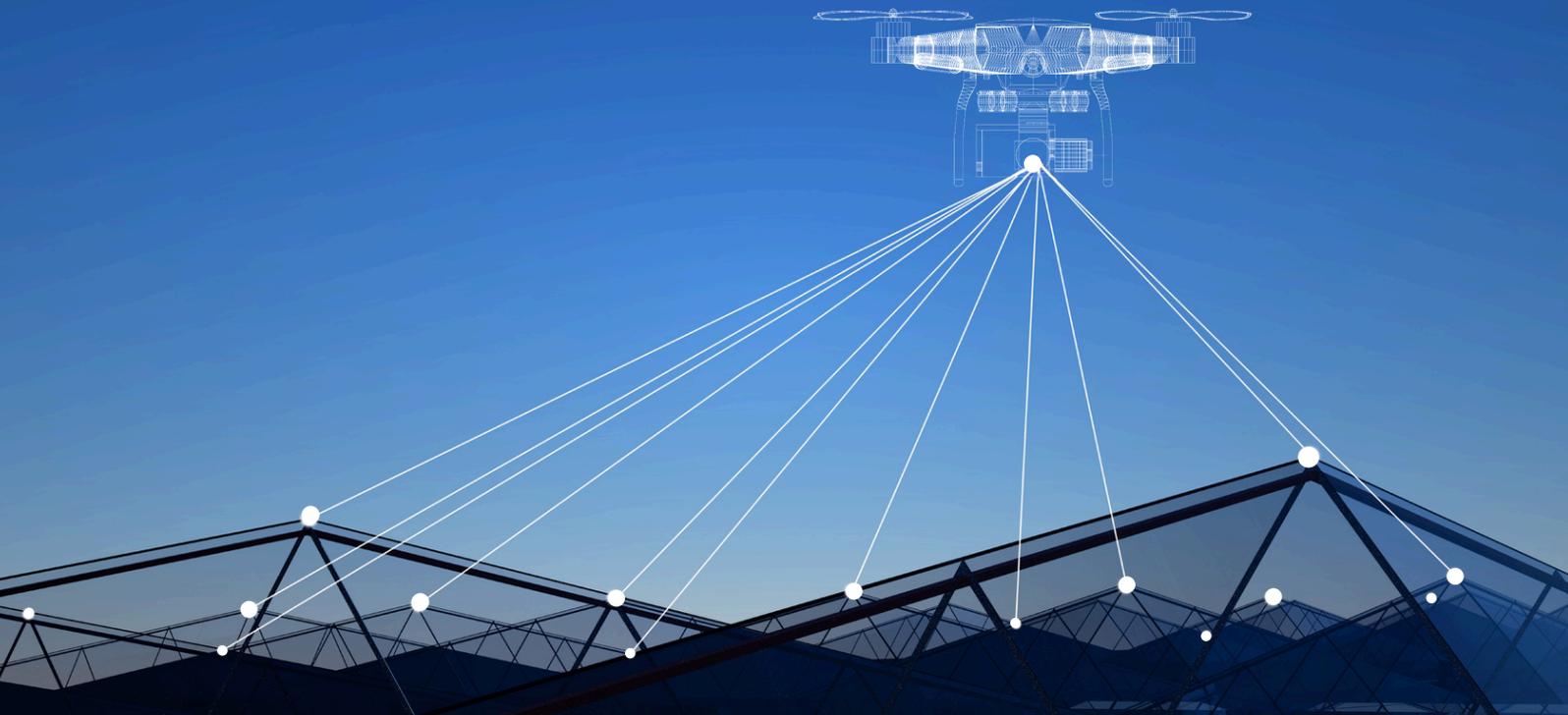


EMPOWERING THE WORLD THROUGH TECH



EIGHTBELLS
Independent Research & Consultancy

2025 - 2026
CORPORATE BROCHURE

INTRODUCTION

Eight Bells stands as an independent high-tech enterprise, based in Nicosia, Cyprus and in Athens, Greece, dedicated to pioneering advancements in Information and Communication Technology. Our expertise spans a wide range of technological fields, including 5G/6G Telecommunications, Cybersecurity and Artificial Intelligence. At the core of our offerings lie custom-designed solutions tailored to meet the demands of emerging technologies. Beyond digital solutions, we design and manufacture high-performance thermal cameras for industrial and security applications, ensuring precise and reliable thermal imaging.

The company's multidisciplinary team of experts is committed to bridging the gap between academic research and practical applications, transforming innovative ideas into impactful technological solutions. Whether helping organisations enhance their digital infrastructures or providing strategic guidance, **Eight Bells** is dedicated to driving technological progress and improving operational efficiency for its clients. With a rich background in system engineering, R&D consultancy, and network design, we actively participate in and have led numerous Horizon, EDIDP/EDF, ESA, and National-funded research initiatives.



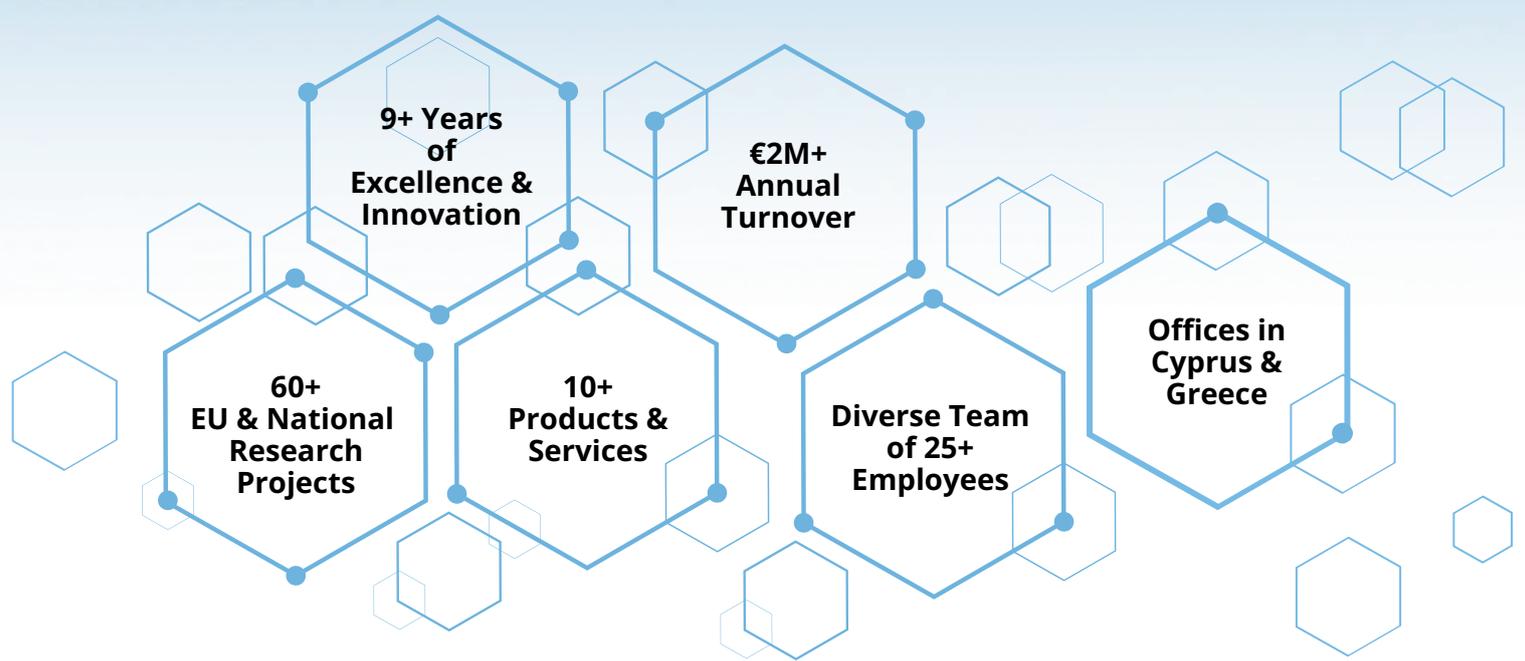
INFRASTRUCTURE

- Electronics Laboratory / State-of-the-Art Equipment & Software Development Tools.
- 2 Private Mobile 5G Stations for Research Activities (Indoor/Outdoor).
- Manufacturing Laboratory / 3D Printing.
- Cloud Platform for R&D purposes.

OUR VISION

Eight Bells envisions a future where technology empowers individuals and organisations. We strive to be a global leader in innovative ICT solutions, driving digital transformation and creating a sustainable future, "Empowering the World Through Tech".

AT A GLANCE



MEMBERSHIPS

6G SNS IA

HASDIG
Hellenic Aerospace Security & Defense Industries Group

HPhos
Hellenic Photonics Cluster

NCC
CYBERSECURITY NATIONAL COORDINATION CENTRE
CYPRUS

NICOSIA CHAMBER OF COMMERCE AND INDUSTRY

SEKPY
HELLENIC MANUFACTURERS OF DEFENCE MATERIEL ASSOCIATION

CCI FRANCE GRÈCE
ΕΛΛΗΝΟΓΑΛΛΙΚΟ ΕΜΠΟΡΙΚΟ & ΒΙΟΜΗΧΑΝΙΚΟ ΕΠΙΜΕΛΗΤΗΡΙΟ

ATHENS CHAMBER OF COMMERCE AND INDUSTRY

PRODUCTS

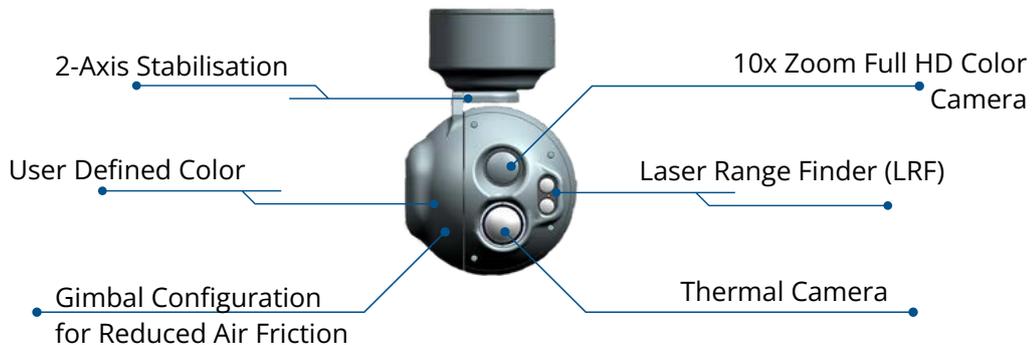
Gimbal-mounted Thermal Cameras

These models are advanced gimbal-mounted thermal day cameras capturing the radiation emitted by objects and humans, which can be used for ground, maritime and aerial applications. They require no ambient light and can operate effectively day and night, regardless of weather conditions.

Maritime Thermal Day Camera



UAV Thermal Day Camera



Lightweight Thermal Day Camera



KEY FEATURES

- Lightweight
- Fully Customisable
- Composed only by European Parts (No Chinese Parts)
- After-sales Local Support
- Video-analytics Software

APPLICATIONS

Reconnaissance, border patrol,
migration, flows control

Critical Infrastructure Protection
(ports, airports, factories,
photovoltaics / wind farms)

SAR (Search & Rescue) Applications in
sea

Firefighters forest patrol / Fire detection
in warehouses



PRODUCTS

HIPPALUS: AI-assisted Real-Time Mission Planning Tool

HIPPALUS is an Artificial Intelligence (AI) based real-time mission planning tool that can be used in diverse Intelligence, Surveillance and Reconnaissance (ISR) missions. HIPPALUS uses cutting-edge AI algorithms and sophisticated reinforcement learning techniques to determine the optimal route and feasible alternatives, empowering planning officers to make informed decisions. It takes into account a multitude of mission parameters that are critical for the success of the operation.



KEY FEATURES

Operational Parameters

- > Estimated energy consumption until mission completion
- > Starting and target destination coordinates
- > Time restrictions
- > Weather conditions of the deployment area as collected by satellite and weather stations
- > Suggested safe cruising altitude relative to the identified in-route hazards (for UAVs)



Mission Parameters

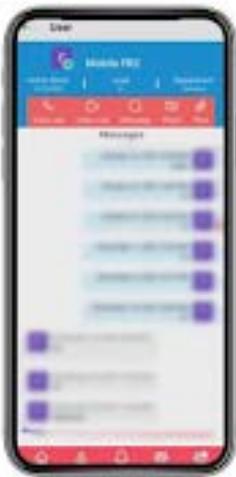
- > Payload selection in terms of type, size and volume
 - > Speed and acceleration limitations
- > Primary suggested mission path as decided by the planning officer



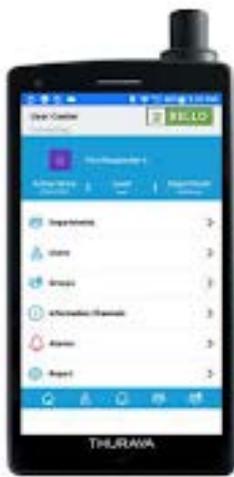
X-BELLO: A Real-Time Secure Communication App

X-BELLO is an instant messaging system designed for groups, that prioritises user anonymity while ensuring secure communication. It enables users to exchange text messages, make and receive voice and video calls, conduct group calls, and transfer multimedia files over data networks, without revealing the users' phone number. X-BELLO offers real-time operational status of the entire team, facilitating situational awareness, enhanced decision making and more effective responses.

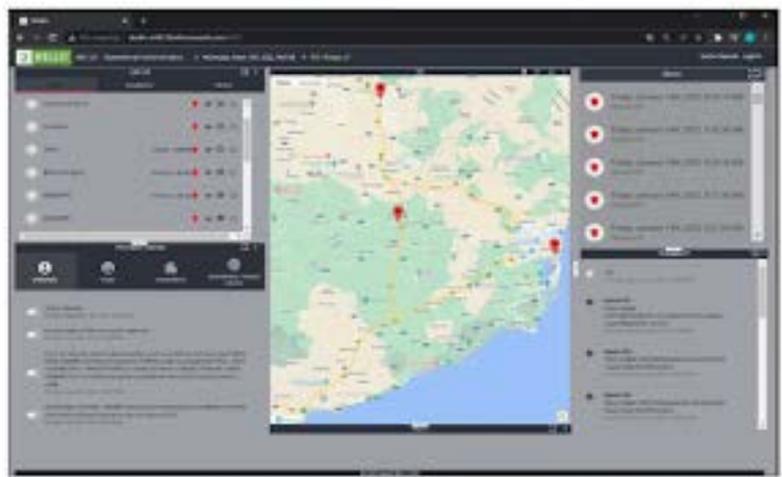
XBELLO - Modules



Smartphone



Satellite Phone



Desktop

KEY FEATURES

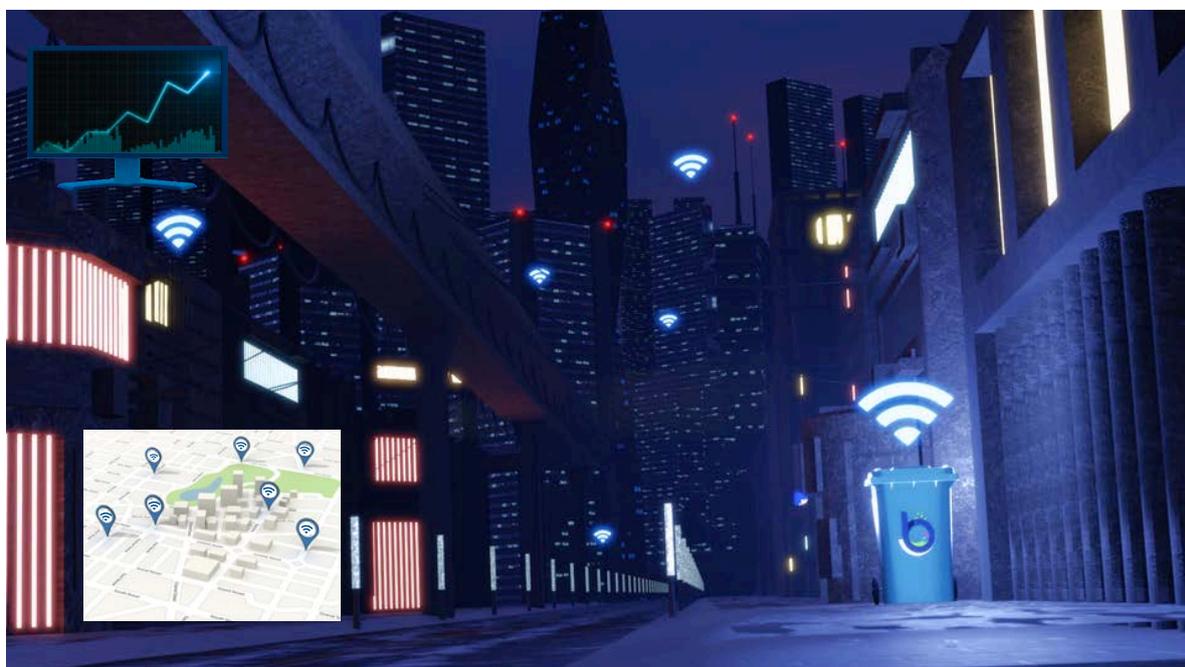
- Voice & video calls
- Messenger features, chat and alert messages
- Organisational administration and centralised contacts via Contact Management
- File storage and management
- Security, privacy and push notifications
- Information channels – Users tracking on a map – Workforce management
- Supports a Common Operating Picture and Situational Awareness Systems

PRODUCTS

RevoWaste: A Pet-friendly Smart Waste Management System

RevoWaste effectively addresses challenges faced by municipal waste management departments regarding the condition of waste bin networks. The system provides real-time updates to municipal cleaning departments on bin fullness levels. This Smart Waste Management System is also pet-friendly, not depending on ultrasonic waves.

Existing bins are upgraded to “smart” bins by installing fullness monitoring subsystems. All data is transmitted in real-time to the municipal monitoring center and displayed on a map. This extracted data can be used to improve waste management by optimising garbage collection routes, leveraging data insights and contributing to more efficient resource management, ultimately reducing costs.



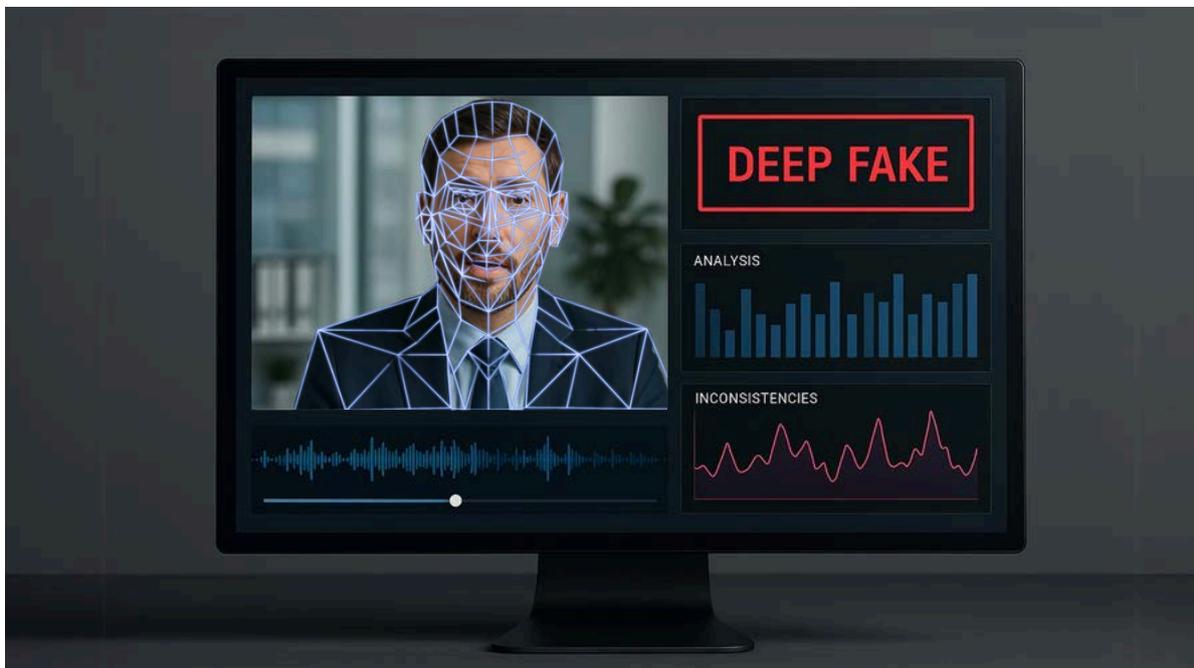
KEY FEATURES

- The sensor subsystems are resistant to corrosion, adverse weather conditions and vandalism
- The sensor accurately calculates the fullness of bins regardless of the type of waste

Deep Fake Video Detector

Introducing the cutting-edge Deep Fake Video Detector, designed to safeguard digital integrity by identifying AI-manipulated media. Leveraging advanced deep learning algorithms and real-time analysis, this solution detects subtle inconsistencies in videos, ensuring the authenticity of content across platforms.

Whether the users are in media, forensics industry, or law enforcement, the Deep Fake Video Detector empowers the users to swiftly differentiate between genuine and manipulated footage, enhancing trust in digital communication and protecting against the spread of misinformation.



KEY FEATURES

- Use of networks such as Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs) to detect subtle manipulations in videos
- Techniques that analyse frame-by-frame inconsistencies, such as facial landmarks, lighting anomalies, and temporal inconsistencies between frames
- Model trained effectively through a diverse set of real and fake video datasets

SERVICES

Eight Bells provides services both to the public and private sectors, ensuring a professional and secure collaboration. Before any engagement, a Non-Disclosure Agreement (NDA) is signed to protect client confidentiality. Eight Bells follows a structured project planning process, establishing a clear roadmap to success with well-defined goals, deliverables, timelines and expectations.

Cybersecurity services

Eight Bells team of skilled professionals is dedicated to understanding each client's unique needs and delivering customised cybersecurity solutions.

Cybersecurity Services	Goal	What we offer
Vulnerability Assessment	Examine and assess the client's systems, networks, and applications for any vulnerabilities.	A comprehensive report of all identified issues. Risk levels and recommended steps for remediation. Close collaboration with the client's team to prioritise and resolve critical issues.
Penetration Testing	Discover potential security risks that tools cannot discover.	A comprehensive security assessment of the client's organisation's assets (web and mobile apps, hardware systems).
Purple Teaming	Improve defensive controls by discovering security gaps.	A distinctive combination of 'red' and 'blue' teaming methodologies to assist organisations in testing and enhancing their security posture.
Cyber Security Consulting	Sophisticated solutions to cyber security needs.	Threat intelligence and practical and actionable recommendations to enhance the client's overall security and ensure they stay ahead of emerging threats.

CERTIFICATIONS

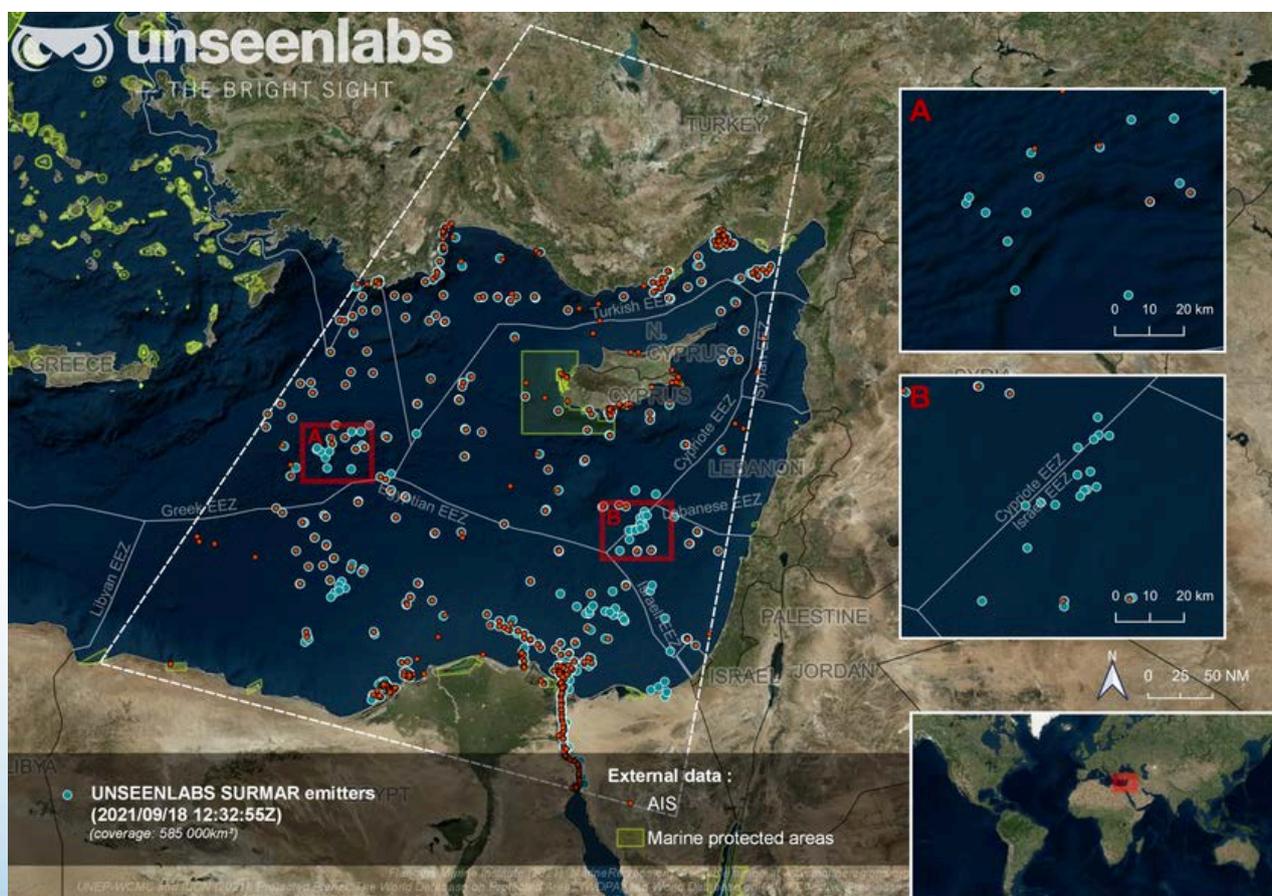


Space-based RF Detection Technology Service

Eight Bells in collaboration with the French company “unseenlabs”, which operates a proprietary satellite system, provides a commercial service for Cyprus and Greece, that enables the collection of Radio Frequency (RF) broadcast from space. Additional value-added services are offered in processing, analysing, managing, and visualising all related geospatial information, ensuring comprehensive and reliable information.

WIDE RANGE OF APPLICATIONS

- Navigation
- Insurance & Anti-Piracy
- Environmental & Critical Infrastructure Protection
- Compliance & Audit
- Fisheries & Aquaculture
- Business Information & Management



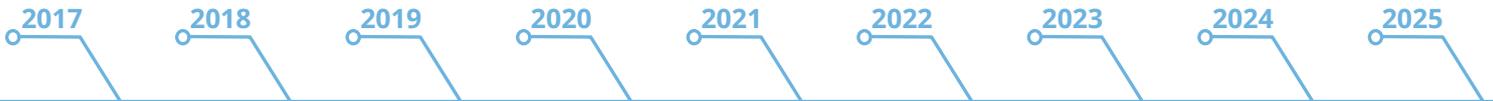
R&I COLLABORATIVE PROJECTS

60+ PROJECTS

45+ H2020 / Horizon Europe

€15M Total Funding

23



A grid of project logos arranged in columns corresponding to the years on the timeline. The logos are as follows:

- 2017:** FED4FIRE (FEDERATION FOR FIRE PLUS), WISHFUL, SOFTFIRE, 5G ESSENCE
- 2018:** FLAME, CUREX, Orca (Orchestration and Resource Management Driven Architecture), 5G CARMEN
- 2019:** GUARD, SPIDER (5G CYBER RANGE), SDN-μSense, CARMEL
- 2020:** COVID^X, CPSSOS, TERMINET, 5GMED, RESPONDA (RESEARCH AND INNOVATION FOR 5G), AFFORDABLE5G, SANCLUS
- 2021:** SMART5GRID, Smart5Grid, 5G INDUCE, AI@EDGE, TREEADS, REBECCA, ELECTRON
- 2022:** aerOS (EUROPEAN 4G/5G EDGE-CLOUD), encrypt, Alnception, COMMANDS, REWIRED, Acting (Advanced Cybersecurity Training), DIGICIRC
- 2023:** SAND BOX, 6G SNS, NANCY, PROTEAS, EUCINF, MOGS-CyX, HORSE, NEWSROOM
- 2024:** RAIDO, FLUIDOS, SAFE-6G, LINGUARISE DC, FMBTech, GUARDAI
- 2025:** MASTER, MARE, 6G-VERSUS, NEXASPHERE

At the bottom right, there is a circular graphic element consisting of a white dashed circle with a solid blue line extending from its center to the right edge of the page.

2 from Cyprus R&I Foundation / 1 from Cyprus Ministry of Defence

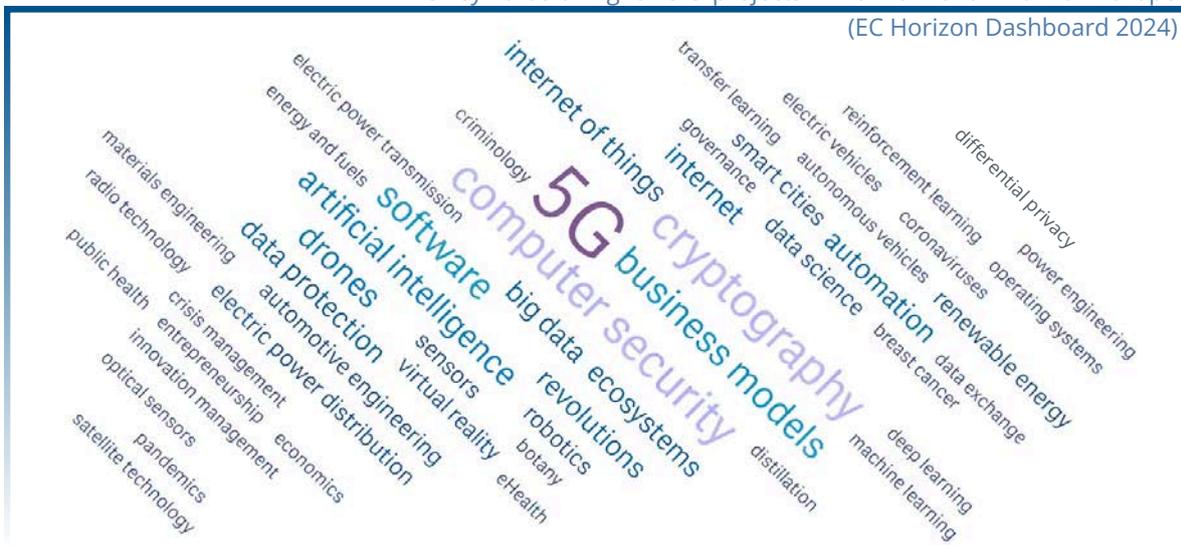
ONGOING

10 EDIDP/EDF

2 ESA

Eight Bells prepares and manages European and national R&D projects under various programs, including H2020, Horizon Europe, the European Defence Fund (EDIDP/EDF), the European Space Agency (ESA) and the Cyprus Research and Innovation Foundation.

The keywords of Eight Bells' projects in Horizon2020 / Horizon Europe (EC Horizon Dashboard 2024)



Within the H2020 & Horizon Europe frameworks, Eight Bells is ranked as the **5th** top Cypriot SME, having received €10 million across **35 projects** since 2014 (EC Horizon Dashboard 2024)

Recognised **3** times as a **Key Innovator** by the European Commission's Innovation Radar

Within the EDF framework, Eight Bells is recognised as the leading SME in Cyprus and the **7th across Europe** for its participation in EDF Collaborative R&D Projects from 2021 to 2023 (Foundation for Strategic Research report 2025)

OUR NETWORK



350+ PARTNERS
30+ COUNTRIES



Empowering The World Through Tech



Get in touch!

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