

# *Building Together the World of Technology!*

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Corporate Brochure



INSIDE



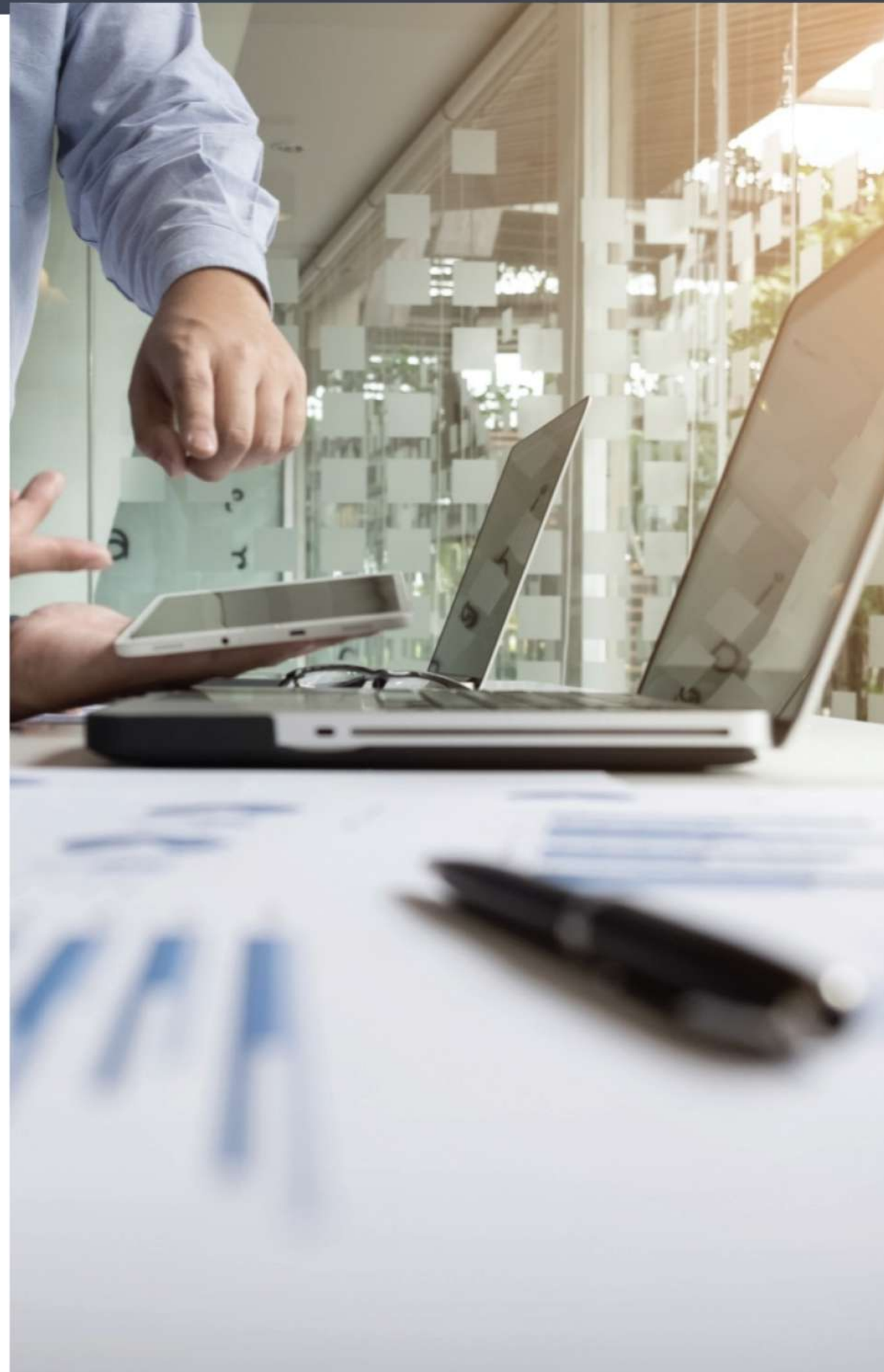
## EIGHT BELLS today

EIGHT BELLS Ltd is an independent high technology company providing innovative solutions, based in Nicosia, Cyprus and Athens, Greece. We specialize in selected parts of Information and Communication Technologies (ICT) in the fields of Defense, Security, Space, Telecommunications, Cybersecurity, eHealth and Environmental Protection, with disruptive IT solutions.

Our technical capabilities include Systems & Networks Engineering, Cloud Computing, Privacy, Security & Data Protection and Software development.

Our solutions and products are designed according to the following principles: High quality – High Efficiency – Low Power – Low Cost.

Our values and policies combine Quality, Corporate Social Responsibility, Security, Ethics and Environmental Protection.



## CAPABILITIES

### **SOFTWARED NETWORKS (5G)**

Customizable solutions that enhance modern communications relevant to the area of 5G Mobile Technology and Network Function Virtualization (NFV).

### **CYBERSECURITY**

Portfolio of cybersecurity solutions that can be used for risk assessment, cyber-hygiene, anomaly detection, and threat remediation.

### **IoT & SENSORS**

Design and Development of specialized prototype electronic devices (Microcontrollers, PCBs, IoT & sensor solutions on Edge Computing devices).

### **OPTICAL NETWORKS – PHOTONICS**

Research, development, testing and supply of products employing photonics as their core technology.

### **AI & SOFTWARE SOLUTIONS**

Design and Development of AI Applications for data-driven solutions.

### **DEFENSE, SECURITY & SPACE**

Design and Development of software/hardware applications and tools for defense and space requirements.

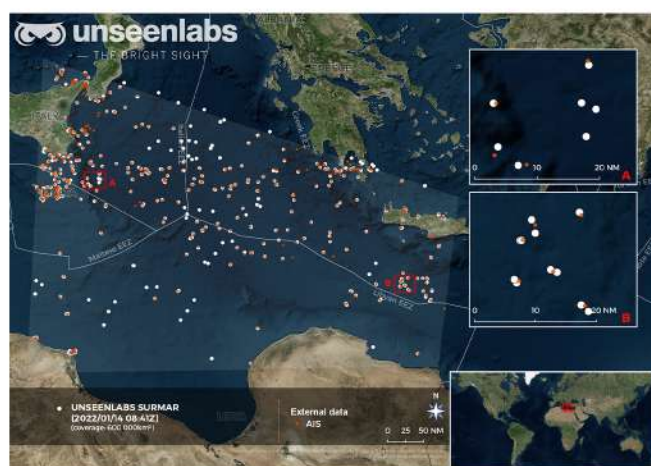


# COOPERATIONS

## UNSEENLABS



The European leader in satellite borne RF ELINT/SIGINT technology operates a proprietary satellite constellation to identify, recognize and track a broad range of radio emitters.



# INFRASTRUCTURE

## NICOSIA DATA CENTER

10 x Intel Xeon Gold 5218 processors, 320GB RAM, 9.6TB NVMe

## EIGHT BELLS Cloud

Fully customizable virtualized infrastructure, dedicated to R&D

## EIGHT BELLS Electronics Laboratory

State-of-the-art electronic equipment and software development tools

## EIGHT BELLS Manufacturing Laboratory / 3D Printing

## EIGHT BELLS Private Mobile 5G Station





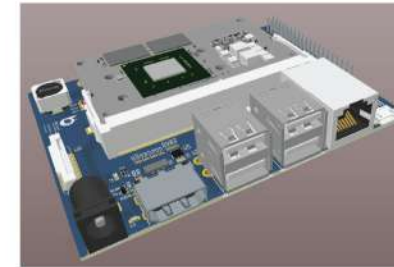
# PRODUCTS

## XBELLO SECURE COMMUNICATION APPLICATION



XBELLO is a communication application that can be deployed in private servers. It provides a secure, powerful, and easy to-use collaboration platform to collect and share information in untrusted environments.

## 8B EDGECORE-NANO



The 8B Edge Controller consists of a single core 32-bit ARM® Cortex®-M4, a dual core 32-bit Xtensa®, 1-Mbyte Flash memory and 192-KByte RAM. The platform is programmable via a USB connection, it has a MicroSD storage slot for up to 64GB cards, and it can transmit data via Bluetooth and WiFi.

## VERTIGO | VERTIGO

VERTIGO offers an advanced, holistic and platform-agnostic approach for mission planning of UxVs. The AI capabilities of VERTIGO allow the automation of task allocation processes by considering additional situational factors that may occur during a mission.

## DFF | DFF

The Data Format Fusion (DFF) aims to bring data-level interoperability and analytics between heterogeneous IoT devices and other functional data pipelines. It is designed based on open source standards and tools.

## MOZART | Mozart

MOZART is an orchestration tool for interconnected cyber-physical platforms, developed by Eight Bells. It supports research in computer networking and distributed systems.



## 8B EDGE CONTROLLER



The 8B EdgeCore-Nano is a customized board based on the NVIDIA® Jetson Nano™ System-on-Module (SoM) designed with high quality components and manufactured under strict quality control procedures. It provides easily accessible interfaces for many IoT devices.

## 8BMGT – 8BUGM – 8BEODP – EO SENSORS



The EO SENSORS, designed and developed by EIGHT BELLS is an advanced gimbal-mounted camera capturing the infrared thermal radiation emitted by objects and humans. It requires no ambient light and operates during day and night under any weather conditions. The 8B THERMAL CAMERAS supports video analytics and can be used for both ground and maritime applications.



# RESEARCH & INNOVATION PROJECTS

## CYPRUS NATIONAL



## EDF 2021



## EDIDP 2020



## HORIZON EUROPE



These projects have received funding from the European Union under H2020, HE, EDF, EDIDP2020 or national frameworks.

## HORIZON 2020



## SECURITY



## GREEN DEAL



These projects have received funding from the European Union under H2020, HE, EDF, EDIDP2020 or national frameworks.



## MEMBERSHIPS



### Association of Hellenic Manufacturers of Defence

This is a NGO whose main objective is to support its members and to develop the local defence industry.



The 6G Smart Networks and Services Industry Association (6G-IA) is the voice of European Industry and Research for next generation networks and services. Its primary objective is to contribute to Europe's leadership on 5G, beyond 5G and SNS/6G research.



### European Cyber Security Organisation

ECISO represents the contractual counterpart to the EC for the implementation of the Cyber Security contractual Public-Private Partnership (cPPP).



### Hellenic-French Chamber of Commerce and Industry

The Hellenic-French Chamber of Commerce and Industry (CCIFG) was founded in Athens in 1885 and is a network of French and Greek companies and entrepreneurs, which has been active for 135 years, with the mission of supporting French and Greek companies and the strengthening of commercial transactions between the two countries.



### Pleiades IoT Innovation Cluster

The Cluster aims at developing and promoting IoT technological innovation through coordinated efforts of its members.



### Nicosia Chamber of Commerce and Industry

The Nicosia Chamber of Commerce and Industry (NCCI) was established in 1952 and it is associated with the Cyprus Chamber of Commerce and Industry (CCCI). It is a private non-profit organization financially independent.



The Athens Chamber of Commerce and Industry (ACCI) was founded in 1914 and began its operations in February 1919. It is a Public Entity aiming at the protection and promotion of commercial and industrial interests of ACCI members.

## CERTIFICATIONS



The Quality Management System assures compliance with ISO 9001:2015 -14001:2015.

The company has been granted Facility Security Clearance by the Cypriot and Greek National Security Authorities up and including the level of NATIONAL- NATO - EU SECRET.

