*******10 Greek Companies Presenting Innovative Products*******

ALPHA SYSTEMS

Alpha Systems will present a critical communication software program.

ALTUS LSA

M3NTOR Software Suite

M3NTOR is an innovative network-centric, hierarchical, C3 assets and mission management system designed to exploit data originating from multiple assets in a 3D projected environment, interconnecting heterogeneous sensor networks (unmanned systems, cameras, radars, logistics monitoring, etc) which through the extensive use of advanced AI and Machine Learning algorithms will provide users in various places in the hierarchy not only with an advanced decision-making tool but also an operational planning assistant based on up to date and cross-referenced information from all the sources available to the system.

ATLAS 8 / HEAVY LIFTER

ATLAS 8 is a heavy lifter multi-copter able to carry a 40 kg payload at a distance of 20 km, ready to address the emerging requirements of the small cargo (goods, weapons, search and rescue means, etc) and last mile (commercial products) transport market. Atlas 8/H employs design features and operational experience from the smaller members of the ATLAS family of UAVs and provides the end user with the best weight to mile to cost ratio as well as the inherent ability to comply with the EU 945 and 947 certifications directives in the specific category

EDOMON UAS

EDOMON is a Hybrid VTOL UAV, designed to deliver reliable and efficient ISR Operations for the Law enforcement, Civil Protection, and Defence Market. The EDOMON system is designed to operate with minimum manpower and operational footprint and is able to operate under harsh environmental & electromagnetic conditions. The System is able to deliver enhanced ISR capabilities with the use of EO/IR, AIS & IMSI Catcher Payloads for an extended period of time (up to 8 hours) and to an extended area (up to 60 miles)

ATLAS

The ATLAS 4 UAV is designed to deliver an array of services in the fields of surveillance, industrial monitoring, emissions monitoring, and small cargo delivery applications. The system is manufactured to the highest industry standards, with state-of-the-art mission command systems, encrypted RF links, redundant safety systems, and a reconfigurable payload hub which provides the flexibility to address the needs of multiple end-users in various domains.

ATLAS 204

The ATLAS 204 UAV, being the smallest of the ATLAS family, is designed to deliver highly reliable services in the domains of defense, security and industrial surveillance, and agriculture mapping. The system is rapidly deployable and can also operate in challenging environmental & electromagnetic conditions with minimum manpower & operational footprint.

DEMOKRITOS | LEFKIPPOS ATTICA TECHNOLOGY PARK

The National Centre for Scientific Research (NCSR) "Demokritos" is the largest multidisciplinary Research Center in Greece (consist of 5 Institutes) with over 700 researchers, employed on projects funded by the state, the European Union, International Organizations and Industry.

The campus is a vibrant ecosystem comprising of institutes and laboratories where world class research is performed, of mature technology transfer offices with international alliances for IP management and the attraction of national and international investments in Research.

The Greek Ecosystem consists of stakeholders such us: Tech funds and VCs, Science/Tech Parks, Technology Transfer Offices, Innovation Clusters, Incubators, Accelerators, and Co-working Spaces. Most of them are located in Athens. Demokritos has strong bonds and collaborations with most of these entities and therefore can offer office spaces in the Technological Park "Lefkippos" and provide related services to companies who wish to have a presence in Europe and profit form synergies within this Ecosystem.

FEAC
ENGINEERING | REALIZE YOUR DIGITAL TWIN

FEAC's PITHIA-CP is a Corrosion solution tool via Digital Twins of Cathodic Protection systems. It provides an advanced toolset for determining & visualizing the anti-corrosion protection throughout the lifespan. PITHIA-CP has become the add-on of choice for Siemens Digital Industries Software, as it provides realistic virtual models of Cathodic Protection systems in structures with accurate prediction of current and potential distribution.

HED ENGINEERING
HATZIS ENGINEERING DESIGN

Aircraft Maintenance Stairs Carbon Vario 3M

Self-destructive carbon GSE

Aluminum ladder with folding step on top made exclusively of carbon fiber. The most important aspect of this innovative design is that the carbon absorbs any violent collision by braking itself ensuring that the aircraft remains unharmed. Carbon fiber combines extremely low weight with high strength making it the material of the future GSE.

Aluminum Vario Docking

A four-store aluminum service tower specifically developed for any type of airbus.
All levels of the tower are engineered to fit exactly at any type of airbus at any height without any modification needed.
Electrically height adjustment of one meter of all levels less than 3 minutes.
No maintenance needed.
Extra safe for the personnel and the aircraft.
Long R&D of the final product that makes huge difference regarding similar products.

λ AUTOMATA
autonomous systems

Lambda Automata (λ-automata) is a VC-backed defense startup based in Athens, Greece. The founding team comprises engineers with significant experience from top Silicon Valley companies, working alongside defense experts. The team's vision is to build an intelligent perception backbone **for future defense and civil protection applications, in Greece, the EU and their allies**. Lambda is building a **sensor-agnostic, plugin perception module,** Hydra, for **automating and accelerating the (currently manual) control, analysis, fusion, and geo-rectification of the myriad of sensors already deployed in the field** (from low-cost cameras and radars to SDR receivers). As an example, Hydra can upgrade regular low-cost outdoor CCTV cameras with detection, tracking, and geo-location capabilities for a variety of threats (from smoke piles to vehicles) using high caliber computer vision algorithms. The companies' first pilot product is an **autonomous surveillance tower**, Outpost, which enables the dense monitoring of vast areas at really low cost, compared to existing solutions. Outpost requires no digging or construction to be installed, can be unpacked, and deployed in minutes, and remain operational for years, without any infrastructure requirements (e.g., power or nearby personnel facilities). **Outpost is built with low-cost commercial (COTS) components, allowing end-users to build a dense sensing grid rapidly and at low cost.** It demonstrates how existing legacy sensing platforms can be upgraded with autonomy capabilities at a low cost, leveraging better AI and edge computing. Finally, Outpost deployments are operated at "fleet level", dramatically reducing the personnel requirements for monitoring and surveillance of vast areas.

Spirit Aeronautical Systems (SAS Technology) is a UAS Manufacturer. SAS Technology's core business involves the design and manufacturing of innovative UAS and its products range from fixed-wing (4 to 200+ kg MTOW) to surveillance or heavy lift multirotor systems (6 to 60+ kg MTOW). The International UAV industry is constantly accelerating and exploring all possible ways to effectively use unmanned systems. In this very competitive environment, **SAS Technology manages to offer innovative ideas, focusing on the potential of arming its own design drones, using existing current, or even legacy weapon systems**, that are already in most users' inventory. The resulting armed aerial systems (UCAVs) are generally **lightweight, highly mobile, and easy to deploy systems, with AI capabilities and special autonomy features**, that use weapons well-known to users, in a new, innovative, and of high operational value way. These systems allow **Armed Forces** with emphasis on **Special Operations**, to significantly increase their operational/tactical capabilities for small army units Close Air Support (CAS) missions, with relatively low-cost unmanned solutions.

MIMS – A Mission Information and Management System were Quality and Security reigns Supreme. MIMS offers a scalable services architecture that can seamlessly collaborate to improve the breadth and quality of the tactical and intelligence information provided to the operator driving the decision making.

MIMS can be customized for any operational environment, Air, Sea, Land, and deployed on a wide array of platforms, from Maritime Patrol and Airborne Early Warning and Control Aircraft to Fast Attack/ Special Operations Crafts and Tracked and Wheeled Vehicles. It is also adaptable to handled devices for field use by dismounted soldiers and Special Operations Forces.

MIMS C2 VH – Mission Information and Management System C2-VH is Scytalys' Command & Control and Situational Awareness System for vehicular platforms. It facilitates the mounted commander with the management of the battlefield by providing the Common Operational Picture (COP) with simultaneous target identification, intelligence information, real-time video, and Command & Control capabilities. Furthermore, it provides Blue Force Tracking (BFT) while supporting the mission planning of the onboard team.

- **MIMS C2-VH** has an innovative modular architecture which enables it to be easily expanded and integrated with any on board or remote (e.g., UAS) sensor. Its scalable architecture allows for large scale network formations via either legacy tactical radios or MESH radios
- **MIMS C2-VH** operates seamlessly with Airborne, Naval, or Land platforms through the Scytalys' data link processor exchanging data via NATO Tactical Data Links
- **MIMS C2-VH** filters and selects the regional NATO COP and disseminates it to the dismounted units/soldiers and special operation forces (SOFs), equipped with MIMS Ranger, based on their location on the theater of operations.

MIMS RANGER – MIMS Ranger is a software application designed and developed to provide ad hoc Situational Awareness for extremely demanding operators, such as forward deployed observers, dismounted soldiers and personnel of Special Operations Forces.

- **MIMS Ranger** has an innovative decentralized, serverless architecture enabling the users to be self-sufficient in accomplishing their mission objectives
- **MIMS Ranger** is designed as a radio independent SW application that can communicate either through legacy or through Wideband MANET technology radio systems
- **MIMS Ranger** is implemented as an optimal Tactical solution to provide advanced Situational Awareness, operational support for a variety of Missions, empowering Special Operations and Dismounted soldiers in achieving Battlefield dominance
- **MIMS Ranger** interfaces with all available portable sensors from target locators to laser range finders, clip on sights and UASs exploiting and disseminating the obtainable field information to team members and higher echelons assisting in composing the COP
- **MIMS Ranger** establishes a robust, reliable, and self-managing network environment, ensuring connection availability among the operating team members and the remote command posts / higher echelon units
- **MIMS Ranger** interfaces and integrates with SCYTALYS' MIMS C2 **establishing interoperability for efficiently conducting Joint Operations (Air, Sea, Land)**

SOTIRIA

Aerospace & Defense Innovation

"Achieving underwater intelligence superiority by unlocking the power of AI and Advanced Materials"

Nereid ™ Underwater ISR system: The scalable, AI-powered underwater terrain protection solution for national maritime borders, national security assets and key maritime straits | https://www.sotiria.tech/nereid

Dioptre ™ AI powered software platform: Orient, understand, and make informed tactical decisions by fusing sensing data from multiple sensing sources | https://www.sotiria.tech/dioptre

Type S ™ Fluxgate magnetic sensor: The detection expert for high displacement ferromagnetic threats | https://www.sotiria.tech/type-s

Type A ™ Advance passive hydrophone: The detection partner for small to large displacement objects across the frequency range | https://www.sotiria.tech/type-a

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THEON SENSORS, member of EFA GROUP, is a global market leader in Night Vision and Thermal Imaging systems for military and security applications. With headquarters in Athens, offices in Arlington VA, Kempen, Abu Dhabi, Riyadh and Singapore, strategic industrial partners in the US, Saudi Arabia, the Middle and Far East, THEON SENSORS has almost 120.000 systems in service with Armed and Special Forces, in more than 57 countries around the world.

All products are in house designed & manufactured, in new expanded facilities, by a team of experienced and qualified engineers, using innovative design and test tools. Emphasis is given on providing high performing and ergonomically advanced systems that increase the soldier's safety and mission success rate during night operations.

THEON SENSORS offers a wide range of innovative Night Vision and Thermal systems for both man-portable and vehicle based applications. THEON SENSORS develops tailored solutions in response to specific customer requirements and this, in a shorter time than anyone else in the industry.

Man-portable night vision and thermal systems

- Night Vision Monoculars and Binoculars
- Night Vision Weapon Sights
- Night Vision Clip-on Afocal Sights
- Thermal Weapon Sights
- Thermal Clip-on Afocal Sights
- Customized targeting and observation Systems

Platform-based optronic systems

- Driver Viewers (Day/Night, Thermal, fused)
- Vehicle targeting cameras (Day/Night)
- Customized platform based optronics systems

All THEON SENSORS systems are rigorously tested prior to market entry following military standard test procedures and highest quality assurance and control criteria. The company maintains a Quality Management System which is in accordance with the requirements of ISO 9001:2015, ISO 14001:2015 & ISO 28000:2007 for the Design, Production and Trading of Electro-optical systems.