



This project is co-financed by the European Union
and the Republic of Türkiye



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PRESENTER FULL NAME: Manuel Martínez

ORGANIZATION: UTEK (Unmaned Teknologies Applications)

WORKSHOP NAME: Workshop#3-Digital, Chips and 6G

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Description of the Organisation

Main offices, laboratories & integration facilities



UTEK is a Spanish SME founded in September 2016, specialized in the development of Unmanned Surface Vehicles (USV).

UTEK designs, develops, integrates, tests and operates proprietary technologies related to unmanned capabilities achieving a high technology maturity.

UTEK has started new developments of unmanned vehicles (aerial-UAV, ground-UGV) and payloads with the objective of increasing the number of products and open new markets.

Your Teams' Expertise

- Unmanned technology
- Systems Engineering
- Electronic & mechanical design
- Software development
- Communication systems
- Integration and tests
- Operations
- Integrated Logistic Support



Utek works in a group where they collaborate effectively with their team members. They contribute their skills and knowledge to achieve common goals, fostering a productive and supportive work environment with partners companies as well.



"UTEK owns high level technology applied in advanced unmanned systems such as USVs or UGVs. They focus on developing innovative solutions for various industries, including energy, transportation, and environmental monitoring.

Your Research Fields

UTEK fosters creativity by encouraging innovative thinking and collaboration among its team members. They continuously explore new ideas and technologies to drive progress and achieve excellence.



UTEK aims to exceed customer expectations by delivering innovative solutions and exceptional service. Their focus is on building long-term relationships and ensuring customer satisfaction



UTEK prioritizes privacy and security by implementing robust data protection measures and advanced cybersecurity protocols. They ensure the confidentiality and integrity of all client information.



UTEK aims to expand its market presence by leveraging innovative technologies and fostering strategic partnerships. Their goal is to drive sustainable growth and deliver exceptional value to their clients."



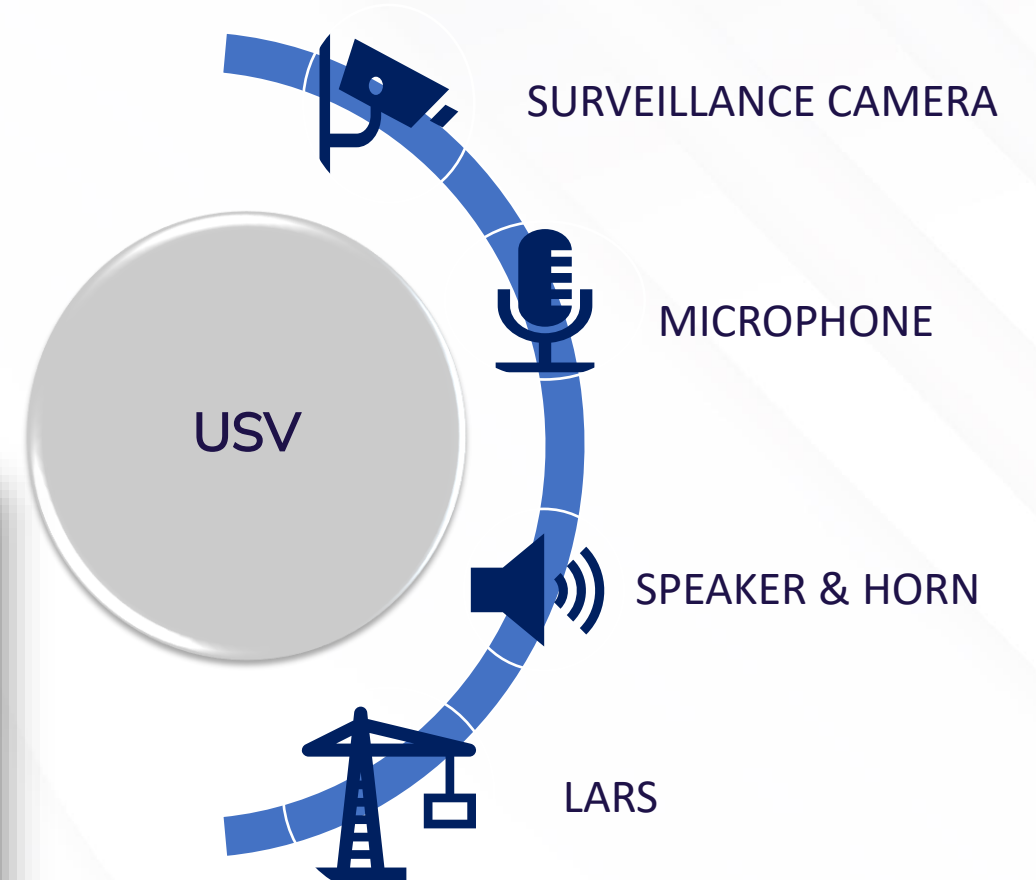
Solutions



KUNAI



KALUGA



Solutions



KRILL

Unmanned zero emissions catamaran for surveillance, hydrography, environmental control, oceanic research...



VALKYRIA

Motorized, electrically powered buoy capable of maintaining position or moving slowly equipped with different payloads and transmitting real-time data

Solutions

APPLICATIONS:

- Logistics
- Medical evacuation
- UAV support platform
- Data acquisition
- Manual operation possibility
- Comm. node

TELENO UGV



Loading: 720Kg. Towing: 907 kg

Your On-going Projects

- DECISMAR (EDIDP)
- USSPS (EDIDP)
- SEAGUARD (HORIZON EUROPE)
- OPERANT (EDF)
- VICTORIOUS (EDF)

UTEK participates in seven project proposals for various 2024 calls.



Project Idea

Call Topic: HORIZON-CL5-2026-02-D3-07: Improved reliability and optimized operations and maintenance for wind energy systems Cluster 5 Call 02-2026 (WP 2025)

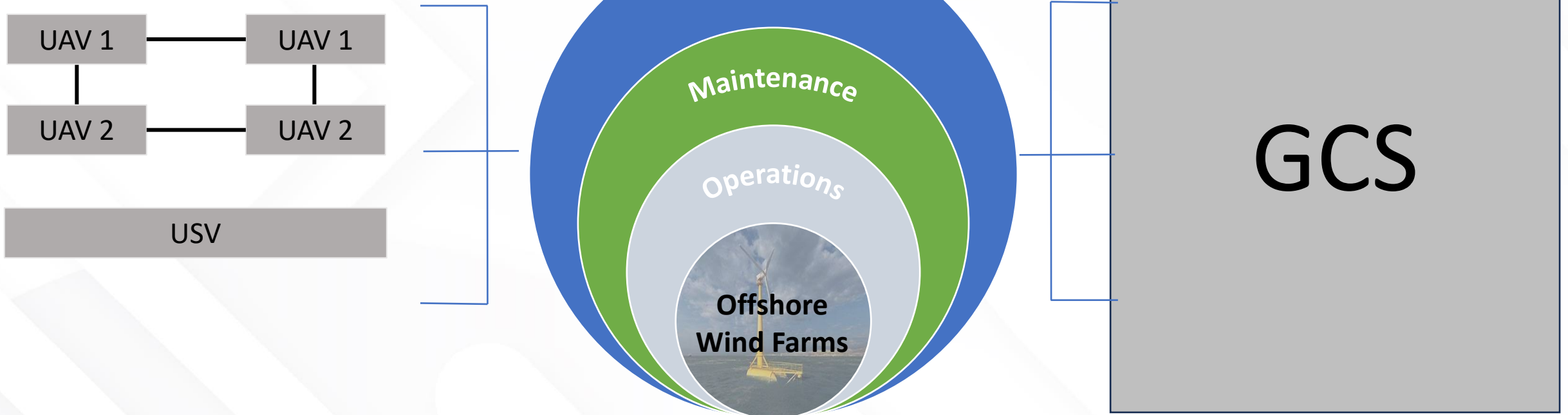
Deadline Dates: February 17, 2026

- ☐ **Objectives:** To demonstrate the efficiency and the advantages of the use of UXVs for the maintenance of wind energy systems
- ☐ **Expected Results:** Monitoring the external maintenance condition and failures of wind energy systems using UxVs swarming and a high-level communication system, providing real-time data to a Control Center with the capacity for digital data and image processing through AI to provide the necessary information for decision-making.

Project Idea



Project Idea



Why USVs?

- Persistence
- Deterrence
- Crew protection
- Optimization of resources
- Interoperability
- Reliability & cybersecurity



Consortium – required partners

No	Expertise	Type	Country	Role in the project
01	UAV Swarm technologies	Any	EU	Partner/Coordinator
02	Embedded AI. Image Processing	Any	EU	Partner/Coordinator
03	Autonomous and secure aerial systems for logistics and data collection	Any	EU	Partner/Coordinator
04	Strategic innovation and collaborative Project management	Any	EU	Partner/Coordinator

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