

For immediate release

# Press Release.

## Discover How YellowScan Navigator is Revolutionizing Drone Mapping for Coastlines at CES 2025

Montpellier, France - December 9, 2024 - YellowScan, a global leader in advanced mapping technologies for drones, is set to present its groundbreaking YellowScan Navigator topo-bathymetric system for drones at the Consumer Electronics Show (CES) 2025, marking a pivotal moment in technological innovation for environmental monitoring.

### Technological Marvel: Engineering a New Perspective

The YellowScan Navigator represents a significant advancement in bathymetric mapping, resulting from years of dedicated research and engineering excellence. At its core lies a sophisticated fusion of cutting-edge technologies that redefine underwater terrain mapping, combining exceptional compactness, performance, and ease of use.

Utilizing a green laser that penetrates the water's surface and reflects off the seabed, the YellowScan Navigator captures underwater topography in three dimensions. Weighing just 3.7 kg, it is ideally suited for operation from professional drones, eliminating the need for custom or prohibitively expensive equipment.

Specifically designed for mapping shallow waters—where traditional techniques, such as sonar on boats, face navigation safety concerns—the YellowScan Navigator has demonstrated effective functionality down to 20 meters in optimal conditions. Furthermore, it produces 3D digital models of rivers or seabeds with an accuracy of 3 centimeters.

Like all YellowScan systems and software, this product is incredibly user-friendly—operating it is as simple as pushing a button. Users don't need a PhD to get started; our team of experts has poured their knowledge into this product, making it easy to use with just the press of its yellow button.

In summary, the YellowScan Navigator is a game-changer for underwater mapping, offering unparalleled precision, versatility, and productivity for various applications.

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#### Company

SAS au capital de 157 342 €  
SIRET: 813 091 543 00021  
TVA : FR24813091543

**Breakthrough Highlights:**

- Miniaturized high-precision sensor technology
- Mapping shallow waters from a drone where traditional techniques cannot operate
- Adaptive signal processing capabilities for challenging water conditions

**The YellowScan Navigator: A Precision Tool in Climate Change Monitoring**

The YellowScan Navigator is not just a technological marvel; it is a critical tool for monitoring and understanding the complex environmental transformations driven by climate change. By providing researchers and policymakers with an unparalleled window into ecological dynamics, it enables more informed decision-making in the face of unprecedented environmental challenges.

The transformative environmental applications of YellowScan Navigator include:

- Tracking coastal erosion and sediment movement with centimeter-level precision.
- Monitoring underwater biodiversity habitats.
- Assessing coral reef degradation.
- Evaluating sea-level rise impact zones.
- Documenting changes in marine ecosystems.

**Back to CES 2025: A Technological Milestone**

The Consumer Electronics Show represents the pinnacle of global technology showcases, and YellowScan is proud to present the YellowScan Navigator as a landmark innovation in mapping and environmental monitoring technologies.

**Showcase Details:**

- Location: Las Vegas Convention Center
- Date: January 7-10, 2025
- Booth: 60412-1

**Leadership Perspectives**

"I am very proud to provide the mapping industry and scientific community with an unprecedented tool to understand and respond to environmental challenges," said Tristan Allouis, CEO of YellowScan. "Years of development and distillation of knowledge were necessary to create YellowScan Navigator." Tristan Allouis added, "This technology is transforming abstract climate change discussions into concrete, measurable data."

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## Potential Global Impact

The YellowScan Navigator promises to revolutionize multiple sectors through advanced technology and innovative solutions:

- **Environmental Research:** Enhancing data collection and analysis for more accurate environmental assessments.
- **Marine Conservation:** Providing precise mapping and monitoring to protect marine ecosystems.
- **Coastal Protection Strategies:** Supporting the development of effective strategies to mitigate coastal erosion and flooding.
- **Climate Migration Planning:** Assisting in the identification of vulnerable areas and facilitating informed planning for climate-induced migration.
- **Infrastructure Development:** Enabling efficient planning and management of infrastructure projects with detailed spatial data.
- **Scientific Exploration:** Offering new tools for researchers to explore and understand complex natural environments.

## Invitation to Explore the Future

Interested professionals, researchers, and industry partners are invited to experience the future of bathymetric mapping at CES 2025. The YellowScan Navigator is not just a technological innovation; it is a vital tool for advancing our understanding of the planet's most complex underwater environments.

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