

Greyshark drone to protect Europe's waters

Two European defence ministries are spending close to €100m on underwater drones capable of transoceanic missions in a bid to address the growing threat of Russian hybrid warfare

GREYSHARK AUTONOMOUS UNDERWATER VEHICLE

Multi-mission capability with integrated AI module for automatic target recognition

Bravo: Battery electric

Foxtrot: Fuel cell electric

Range: **1,010km**

Range: **14,800km**

Duration: **5.5 days**

Duration: **16 weeks**

Speed: **10 knots**

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Low sonar cross-section to avoid detection

Acoustic Antennas

Telescopic Antenna System
military radio, anti-jam

7.99m

1.8m

Synthetic Aperture Sonar: Side scanning for high-resolution sonar images

Multibeam echosounder

Laser Imaging and Measurement System: 3D mapping and change detection

Multibeam Forward Looking Sonar: Detection of obstacles, collision avoidance
Depth, temperature sensors, acoustic antennas

Doppler Velocity Log with Inertial Navigation System
Precise positioning

Imaging System
High-res, multi-spectral underwater camera

Electromagnetic Sensor Array
Multiple sensors for detecting EM fields

SWARM ABILITY
For mapping, reconnaissance of search grid, channel clearing, deterrence

MINE WARFARE
Uses object recognition to detect unexploded ordnance, hostile objects, underwater sensors and map minefields