OCEAN AERO

Romania Port Security Overview

Updated 7.08.26

Ocean Aero – Internal – Not for Distribution Without Consent

THE TRITON AUSV

Autonomous Underwater and Surface Vehicle

The world's only dual-modality vehicle.

Sail the ocean's surface and dive beneath it.

AI to avoid adversaries.

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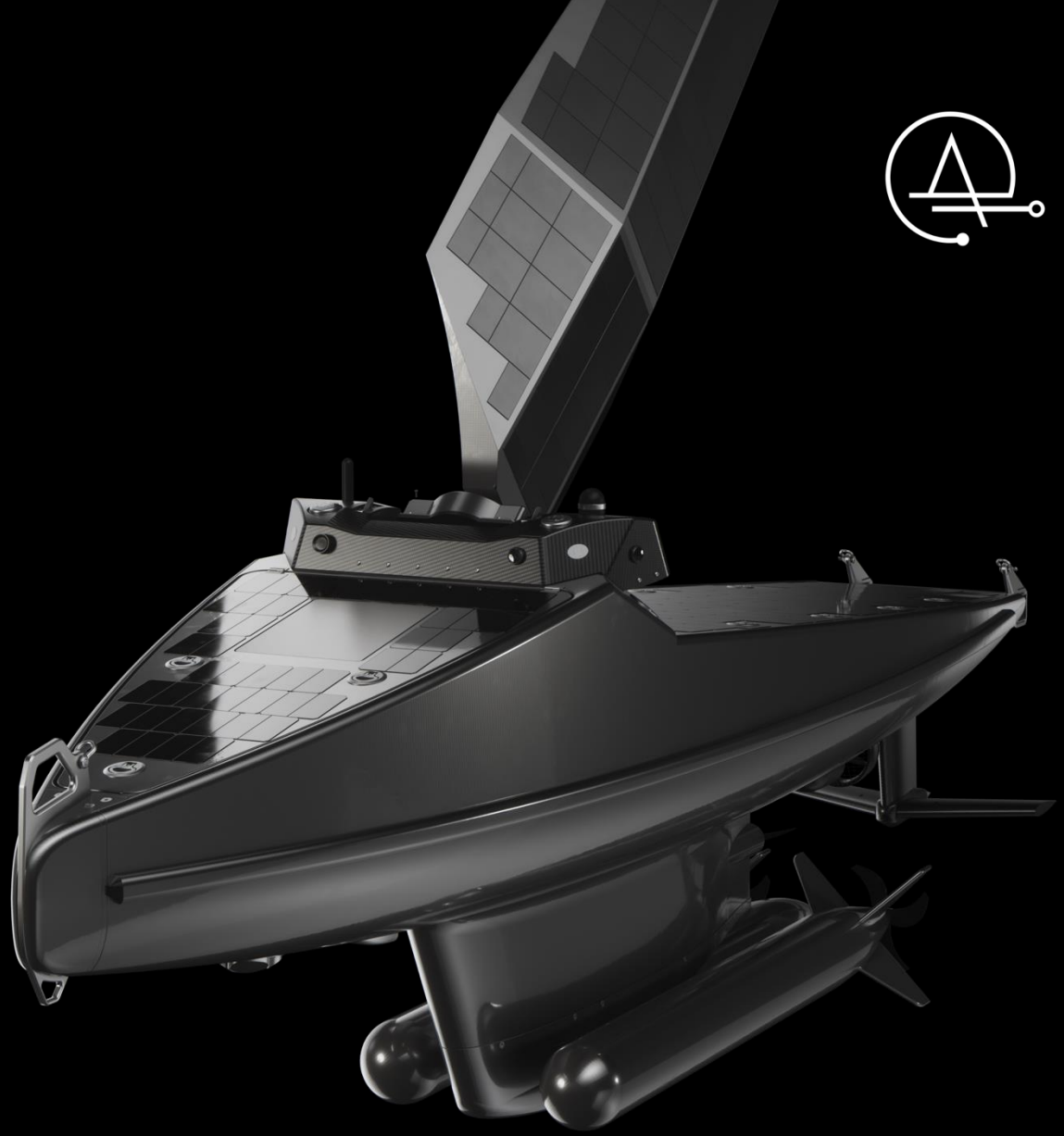
Next Gen Triton

Specifications

Power	• Battery Power: **35kWh** • Solar Collection: **>1250W** • Surface Endurance: **30+ days** • Subsurface Endurance: **10+ days**
Payload Capacity	• Payload Capacity: **160kg (360lb)** • Towing Capacity (Drag-dependent): **500kg (1100lb)** • Comms: **Iridium, Cellular, Mesh, GPS, Starlink**
Underway	• Submergence Depth: **100m (328ft)** • Surface Speed: **5 knots** • Subsurface Speed: **2-4 knots**
Dimensions	• Weight: **680kg (1500lb)** • Length: **4.5m (14.8ft)** • Water line to top of sail: **3m (10ft)** • Water line to keel bottom: **.75m (30in)** • Hull Width: **1m (39in)**



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Integrated
Communications

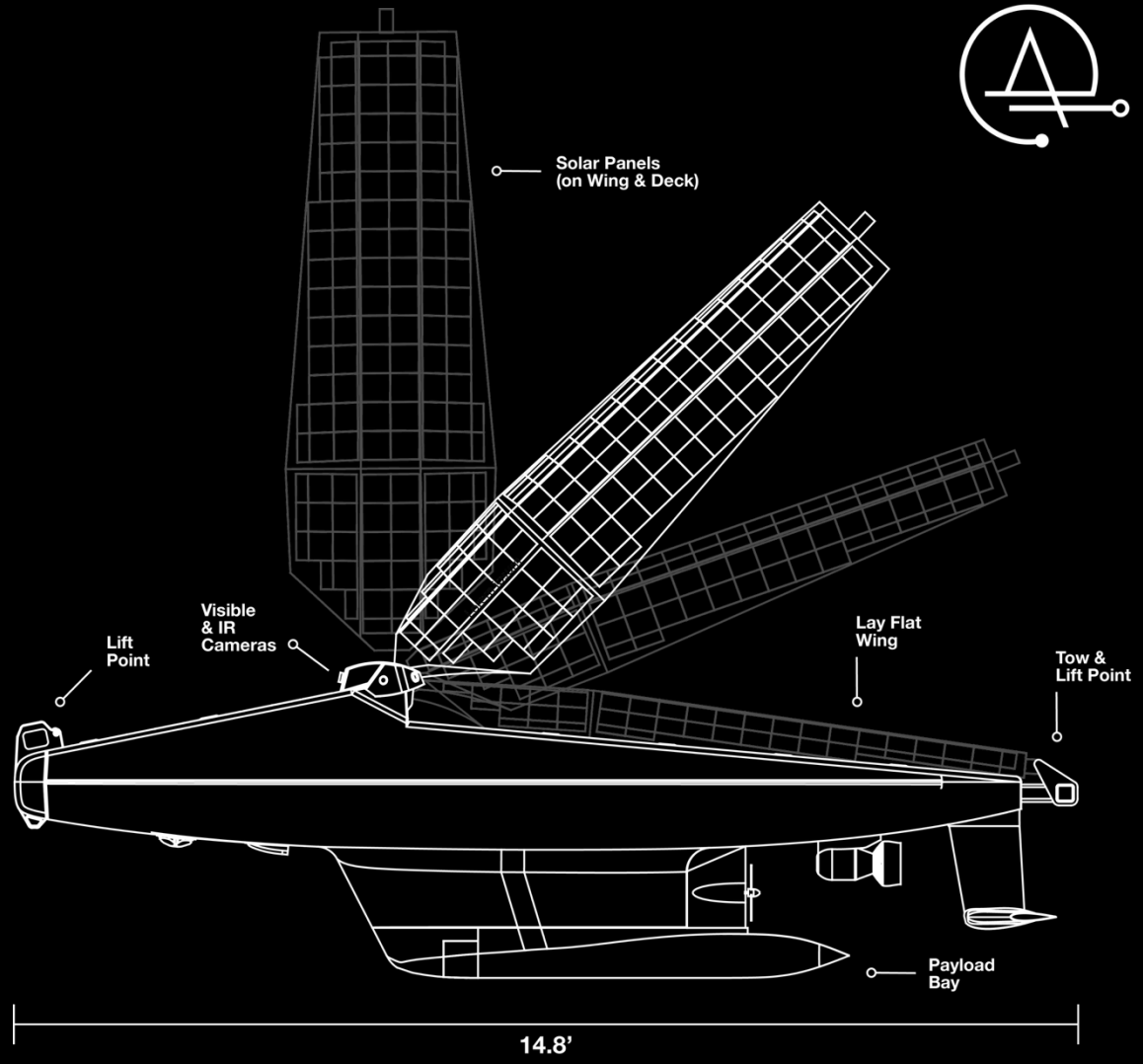
- Unmanned Over-the-Horizon (OTH) Comms:

  Iridium, Cellular, Mesh, GPS & Starlink

- Underwater Comms:

  ACOMMS, Optional tethered buoy

Triton seamlessly transitions between its five layers of communication for comprehensive, real-time mission analysis.



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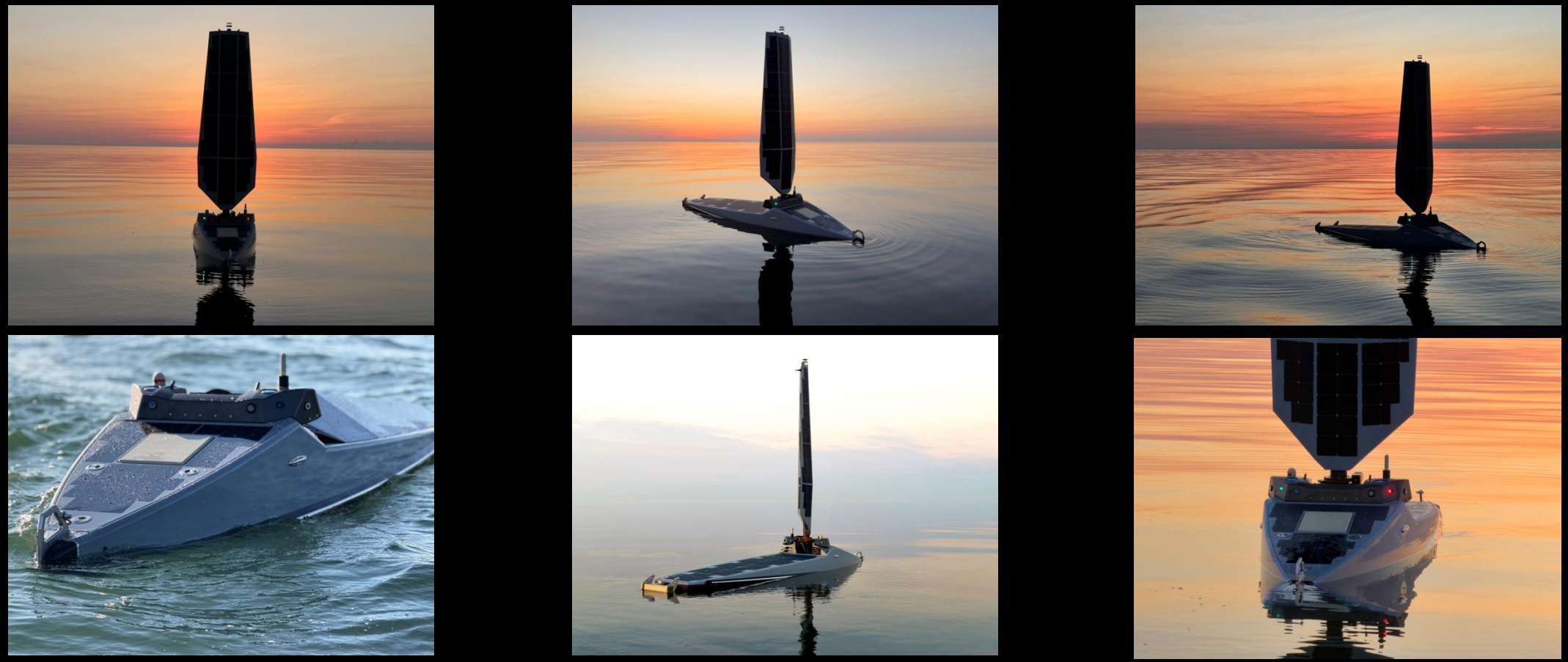
Gen 4 first delivery, 2x in December 2025

- Estimating ~50 Gen 4 US Navy purchases in 2026



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Defense Payload

Configurations

- Subsea Mapping
- MCM
- ISR
- ASW
- Kinetic

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ISR Payload

Standard Detection Ranges

Argus EO (Zoom)
Classify: 2km
Detect: 10km
5m Height

Argus EO (Wide Angle)
Classify: 0.5km
Detect: 2km
1m Height

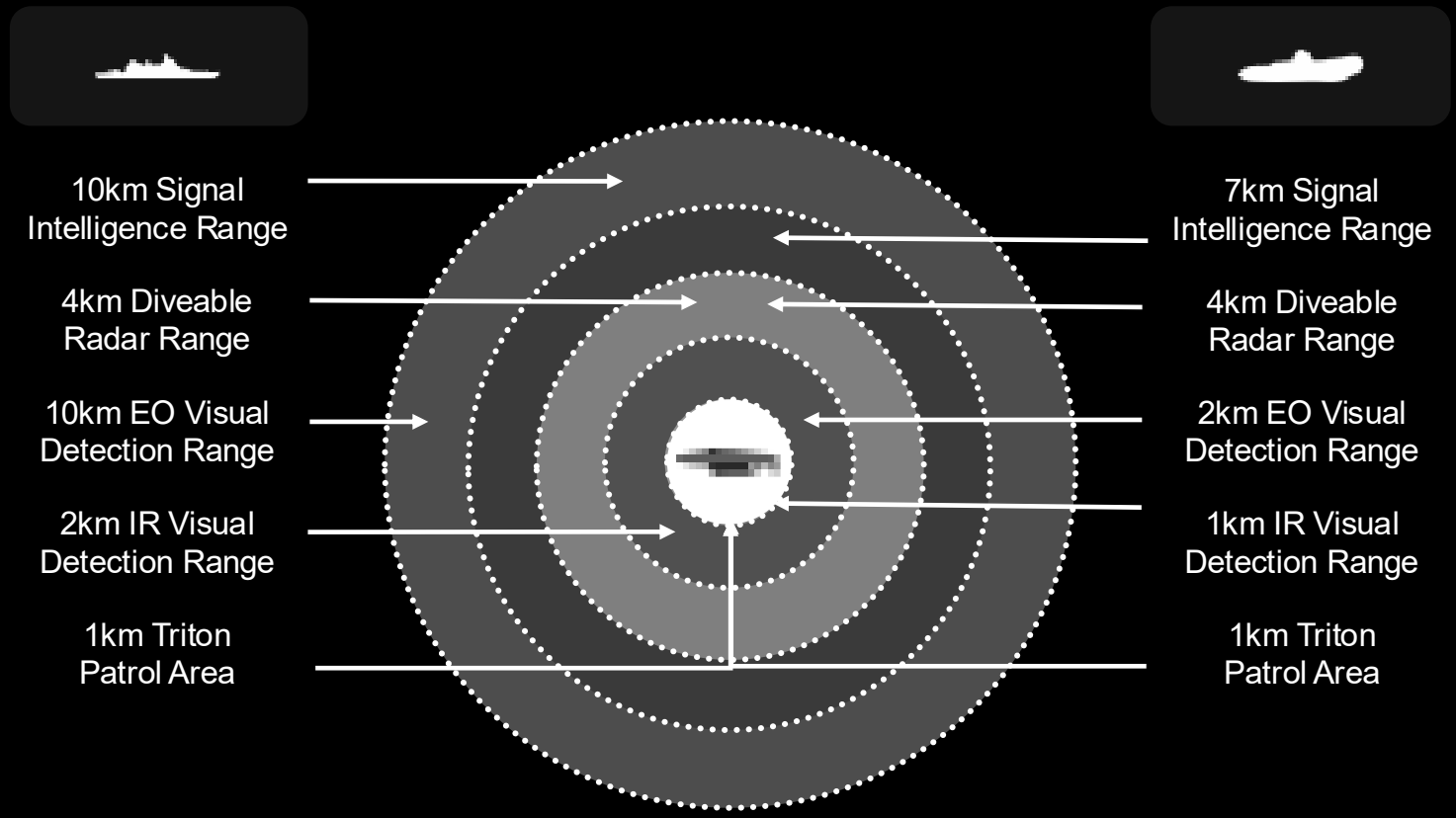
Argus IR (Zoom)
Classify: 500m
Detect: 2km
5m Height

Argus IR (Wide Angle)
Classify: 200m
Detect: 1km
1m Height

Diveable Radar
Classify: n/a
Detect: 4km
1m Height

Signal Intelligence
Classify: n/a
Detect: 10km
5m Height

Signal Intelligence
Classify: n/a
Detect: 7km
1m Height



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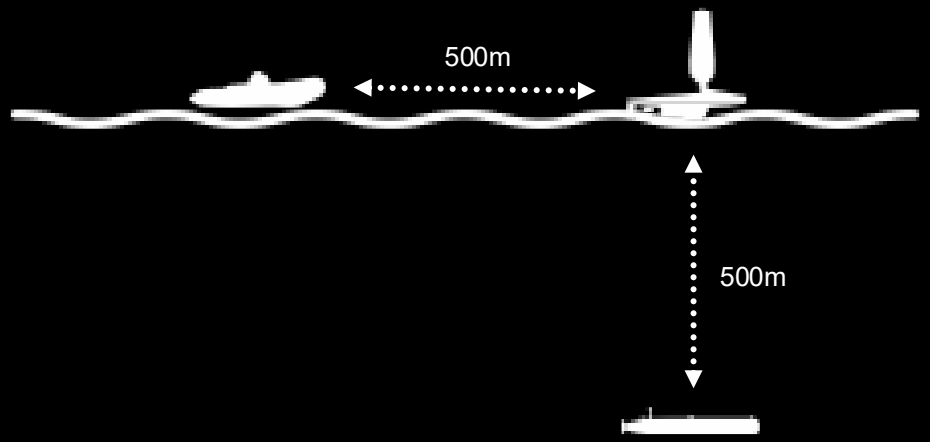
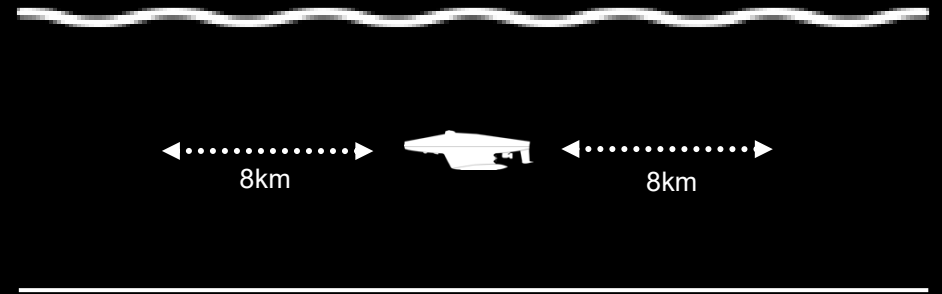
Hydrophone
Upgrade Options

CPADS



Nautilus Hydrophone Array

(20 Channel Vessel Detection)



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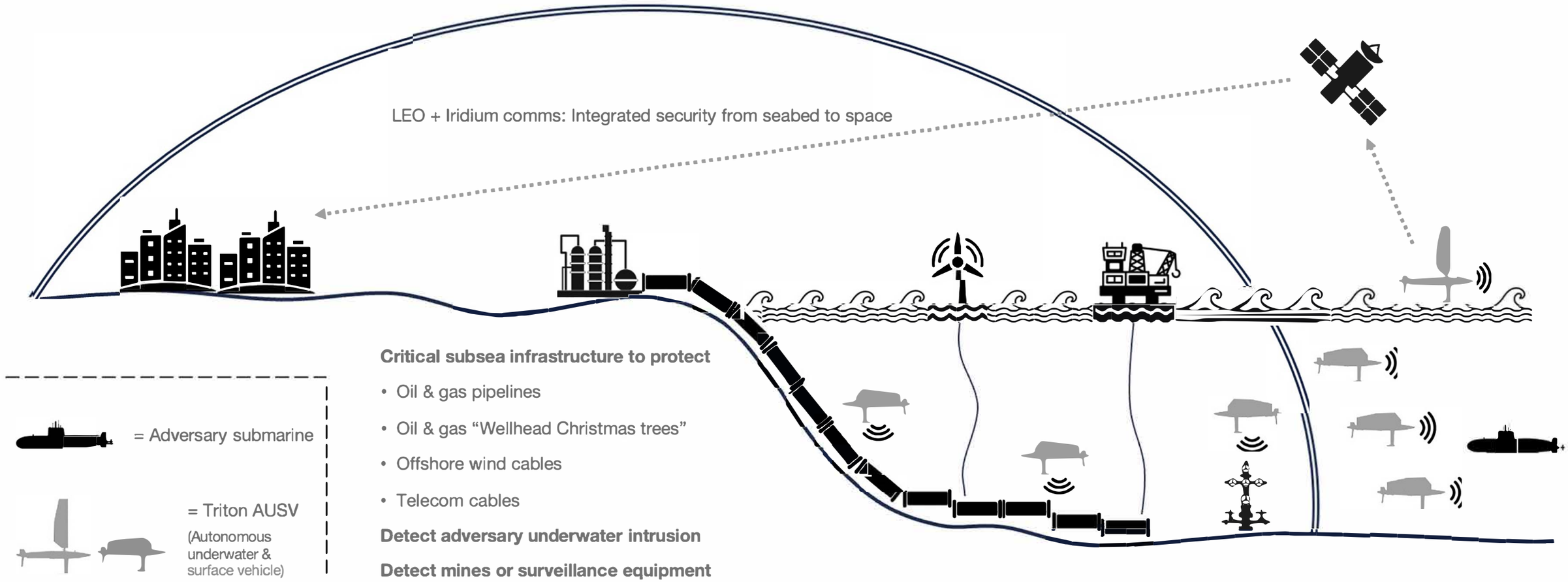
Blue Dome does not end at the surface... It ends underwater

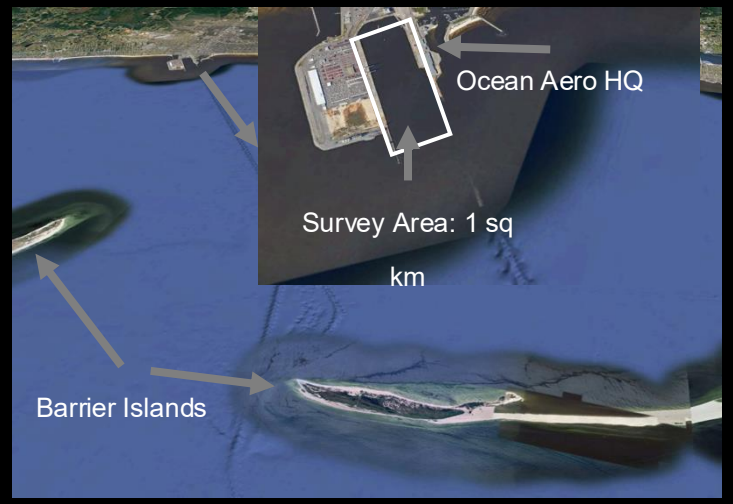


Protection from adversaries must include critical subsea infrastructure. Underwater surveillance is key.

Port of Gulfport

Continuous underwater security scan

Project Overview



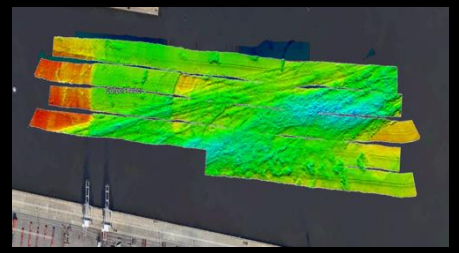
Partnership with Port of Gulfport, NAVOCEANO, & USM

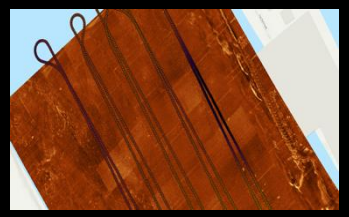
Perform continuous scans, avoiding pattern of life detection

Near real-time data identifies potential threats

Data processed within 24 hours

Metrics over 9 Months



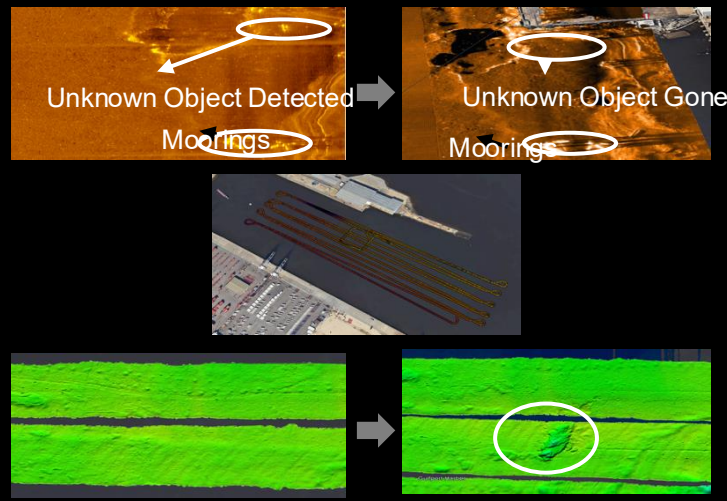


Completed 72 scans over 270 days; ~2 per week

Over ~40 hours of side scan, multi-beam, & magnetometer

Total underwater miles to date: ~300 miles

NAVO Change Detection Analysis



Side scan sonar detected object & removal in separate scans

Magnetometer identified areas of high/low magnetic interference

Multi-beam detected dredging operations

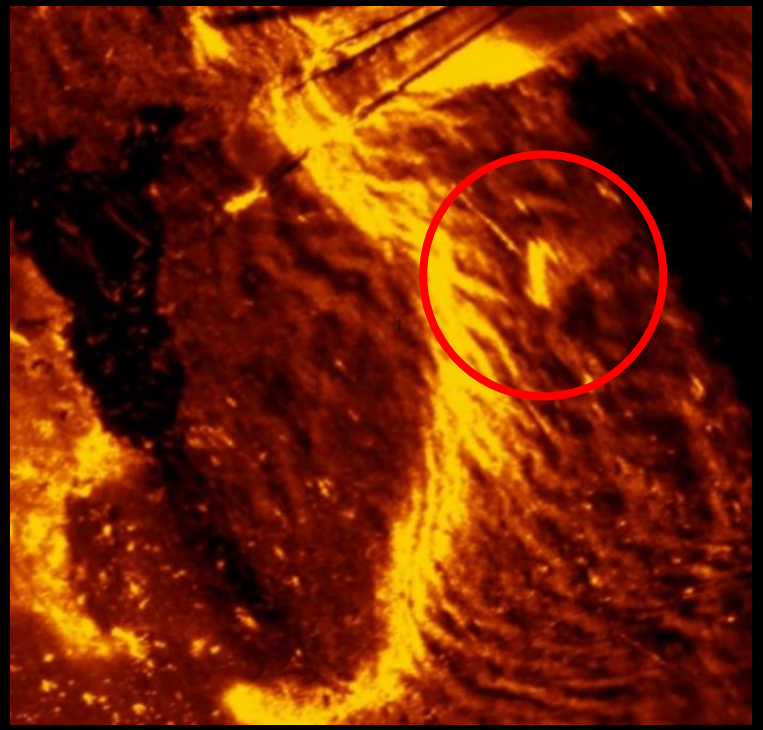
The 1st autonomously, continuously scanned port in America; a proof-point for port security

Side-Scan Sonar Change Detection Exercise

STEP 1: Baseline Survey

*Baseline scan (no object present)

STEP 2: Object Deployment



*Follow-on scan after controlled object placement

Situation Summary

- Ocean Aero conducts weekly side-scans of Port of GPT
- Initial baseline scan confirmed no object present at location
- Deployed 2.3m metallic cylinder with a diameter of 0.6m
- Follow-on scan detected mine-like object
- Triton successfully demonstrated change detection capability

Triton Results

- 4km scan
- Scan took ~ 1.5 hours
- Triton launched via ramp
- 3 mission operators
- Real time side scan transmission via TAC float

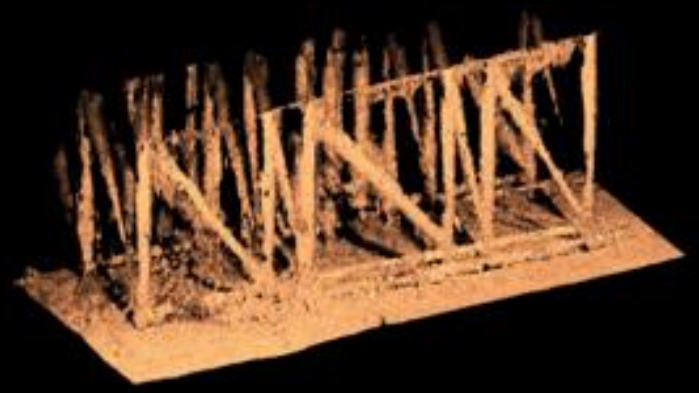
Successful detection of an intentionally introduced mine-like object through change detection analysis.

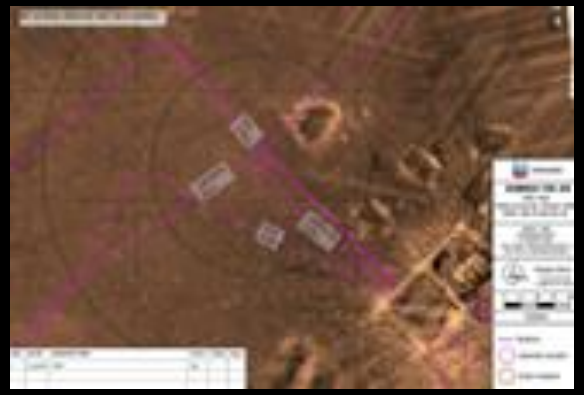
Ocean Aero — Confidential — Not for Distribution

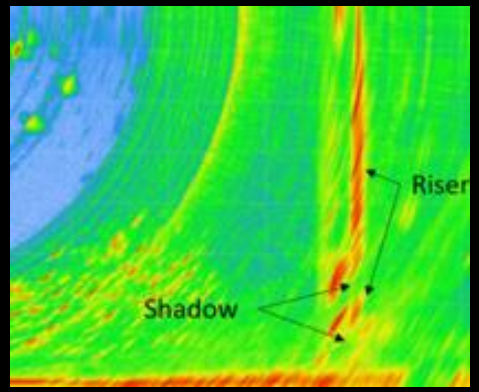
Chevron Gulf of America

Asset integrity project

- ✓ 60-day mission
- ✓ 15 platforms, 10 Sub-sea tie locations
- ✓ 15m & 70m water depth
- ✓ Side-scan & multi-beams sonar imagery
- ✓ Established proof-point for lower-cost, safer scan operations





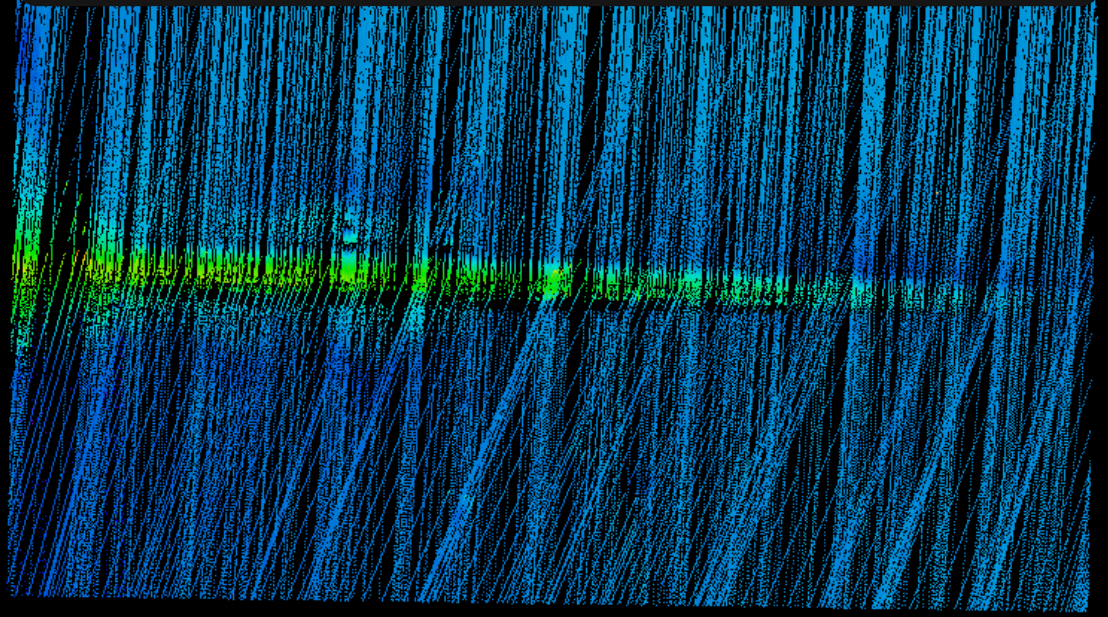


Successful mission with novel deployment type of Chevron-preferred sensors. All objectives accomplished.

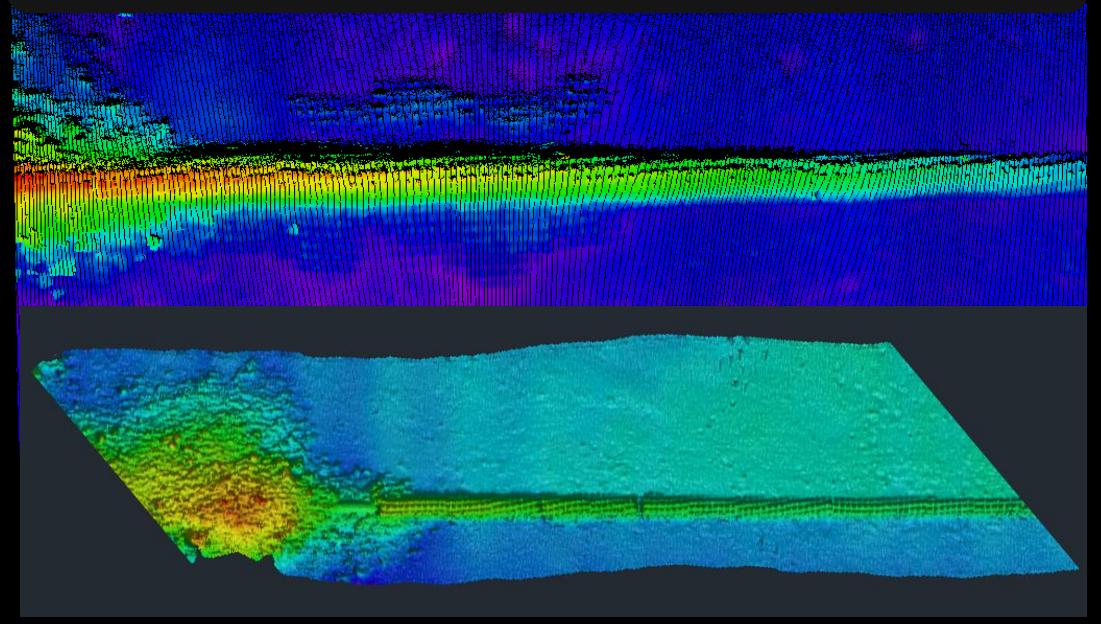
Triton diving capability enhances scan fidelity

Higher resolution enables better identification

Surface Scanning



Sub-Surface Scanning



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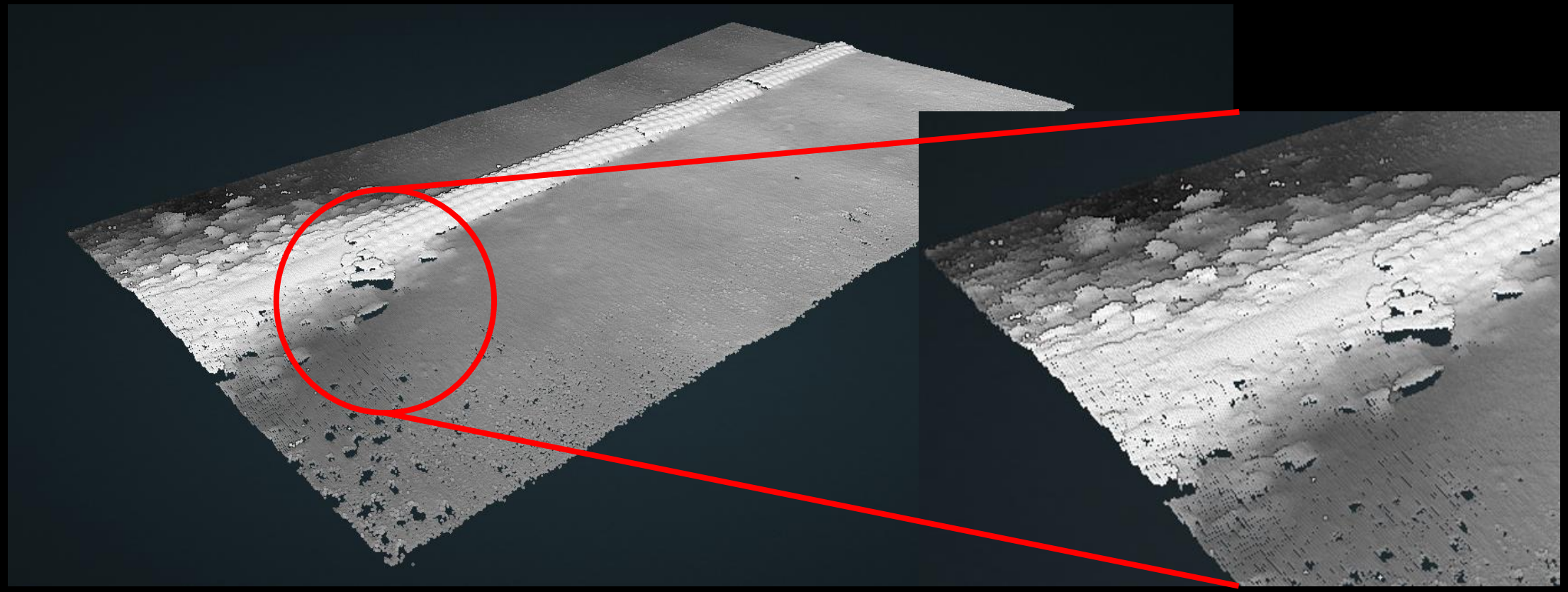
Detailed imagery unparalleled by surface-only craft

Real-imagery from pipeline in the Gulf of America



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Ocean Aero makes Romanian Naval Force History

Nr. AN 3452 din 10.11.2025 Exemplar nr. 2

ROMÂNIA
DIRECȚIA HIDROGRAFICĂ MARITIMĂ
"Comandor Alexandru Cătuneanu"
Constanța, Fulgerului 1, 900218
Tel: +40.241.651.040; fax: +40.241.513.065: E-mail: hidro@dhmfn.ro

AUTORIZAȚIE
PENTRU EXECUTAREA ACTIVITĂȚILOR HIDROGRAFICE MARITIME

PERIOADA: **10.11.2025 – 14.11.2025**
SOLICITANT: **OCEAN AERO**
BENEFICIAR: **OCEAN AERO**
AMBARCAȚIUNE: **LIFEGUARD**
PERIMETRU: Zonele în care se vor desfășura activitățile sunt conform coordonatelor următoare:

1: 43°59'06.13" N, 28°40'00.84" E
2: 43°57'17.02" N, 28°38'40.31" E
3: 43°56'52.61" N, 28°57'35.15" E
4: 43°59'30.47" N, 28°57'37.38" E

În interiorul zonei menționate, vehiculul de sondare va urma traseul definit prin următoarele puncte:

În interiorul zonei menționate, vehiculul de sondare va urma traseul definit prin următoarele puncte:

WP1: 43°58'49.52" N, 28°56'44.70" E
WP2: 43°57'36.94" N, 28°42'21.21" E
WP3: 43°58'13.69" N, 28°39'39.86" E

Se autorizează **OCEAN AERO**, având cod unic de înregistrare 5263676.
Lucrările se execută utilizând echipamentele specificate în documentul prin care s-a solicitat eliberarea prezentei autorizații.
Prezenta autorizație nu exclude obligativitatea respectării de către beneficiar a avizelor radio pentru navigatori în vigoare.
Se recomandă să se monitorizeze cu maximă atenție avizele radio pentru navigatori pentru activitățile desfășurate de structurile Ministerului Apărării Naționale.
În conformitate cu Legea nr. 395/2004, beneficiarul se obligă ca în termen de 30 de zile de la încheierea activităților pentru care este avizat, să pună la dispoziția Direcției Hidrografice Maritime întregul volum de date colectate.
Datele vor fi georeferențiate în sistem WGS 84 (EPSG 4326).

ȘEFUL DIRECȚIEI HIDROGRAFICE MARITIME
Comandor
Lucian GRIGORESCU

- First-ever real-world (not exercise) autonomous unmanned system hydrographic survey in Romanian Territorial Waters
- Successful mission. Tritons & MOS team executed flawlessly

Authorization for the "Execution of Maritime Hydrographic Activities" certificate received

Ocean Aero expanding in Europe

Ocean Aero Europe – Romania Black Sea Facility

- 46,000 sq. ft. production and office facility on track June 2027 readiness
- **Total work force 150-200**
- - 50 personnel spaces; 10 offices & 20 workstations
- Strategically located with immediate waterfront access
- Supports European manufacturing, testing, & customer engagement

Ocean Aero Europe expansions supports Regional Stability and Black Sea Security