

SEA-KIT

▲ **Redefining the way we work offshore**



**US\$24 trillion - value
of key ocean assets**

31+ million full-time jobs

SEA-KIT

A SUSTAINABLE BLUE ECONOMY:

Restores, protects and maintains the diversity, productivity, resilience, core functions, and intrinsic value of marine ecosystems — the natural capital upon which its prosperity depends.

Is based on clean technologies, renewable energy, and circular material flows to secure economic and social stability over time, while keeping within the limits of one planet.

Provides social and economic benefits for current and future generations by contributing to food security, poverty eradication, livelihoods, income, employment, health, safety, equity, and political stability.





SEA-KIT

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Regulatory support



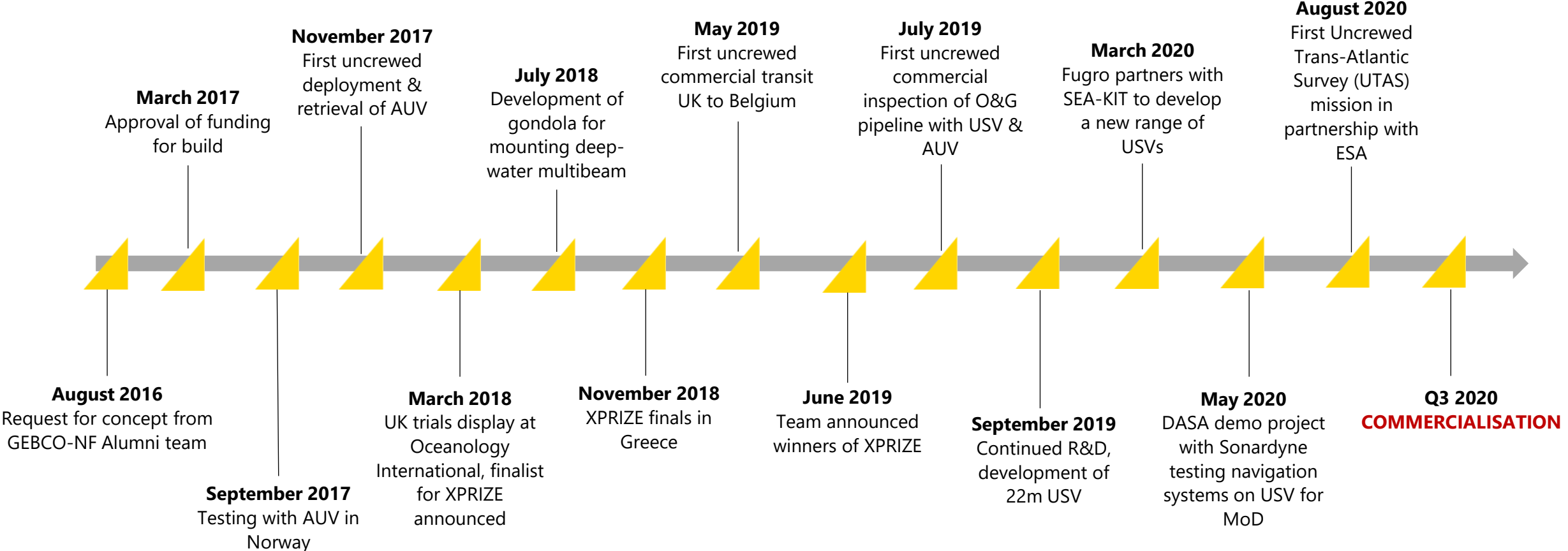
Maritime UK recently launched an updated version of the industry 'Code of Practice for Maritime Autonomous Ship Systems'.



Maritime &
Coastguard
Agency

The UK Maritime and Coastguard Agency supported SEA-KIT's 22-day Atlantic mission with a regulatory waiver and load line exemption.

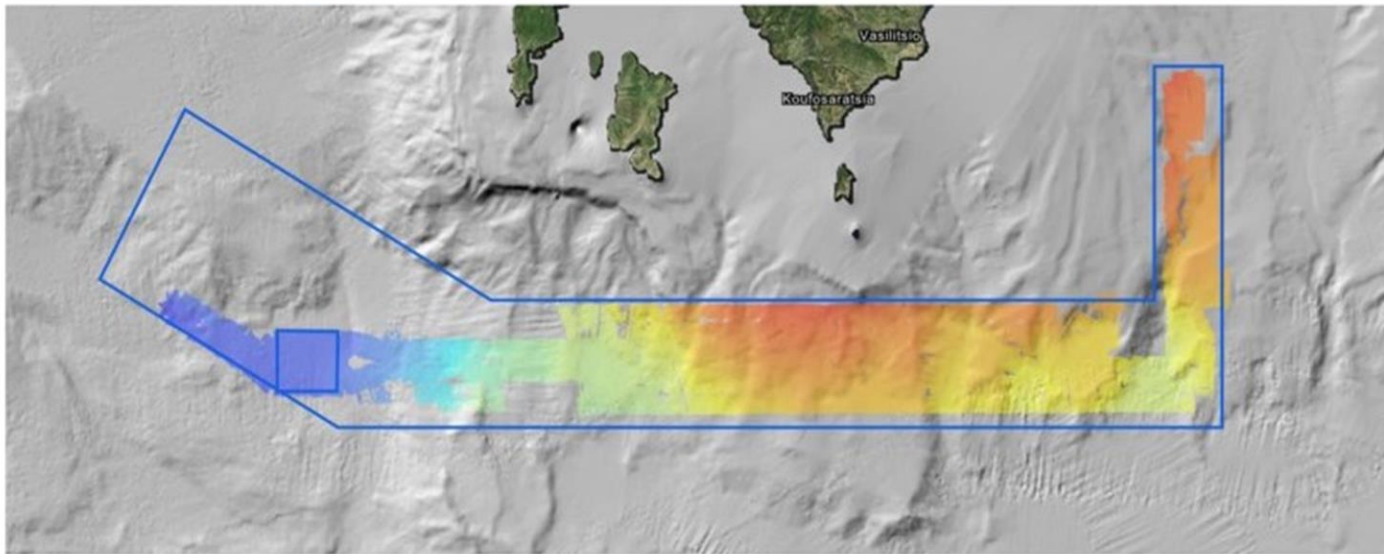
SEA-KIT timeline





Bathymetry coverage

Survey mode	V [kn / km/h]	AUV altitude [m]	Full swath [km]	Survey time [hrs]	Total length [km]	Coverage [km ²]
Hugin – HiSAS wide area mode	3.5 / 6.5	75	1.00	22.0	142.6	142.6
Hugin – HiSAS standard mode	3.5 / 6.5	40	0.35	2.0	13.0	4.5
SEA-KIT EM 304	3.5 / 6.5	var	2.00	12.6	81.7	163.3
Total (including overlaps and gaps on turns):						278.9 km²

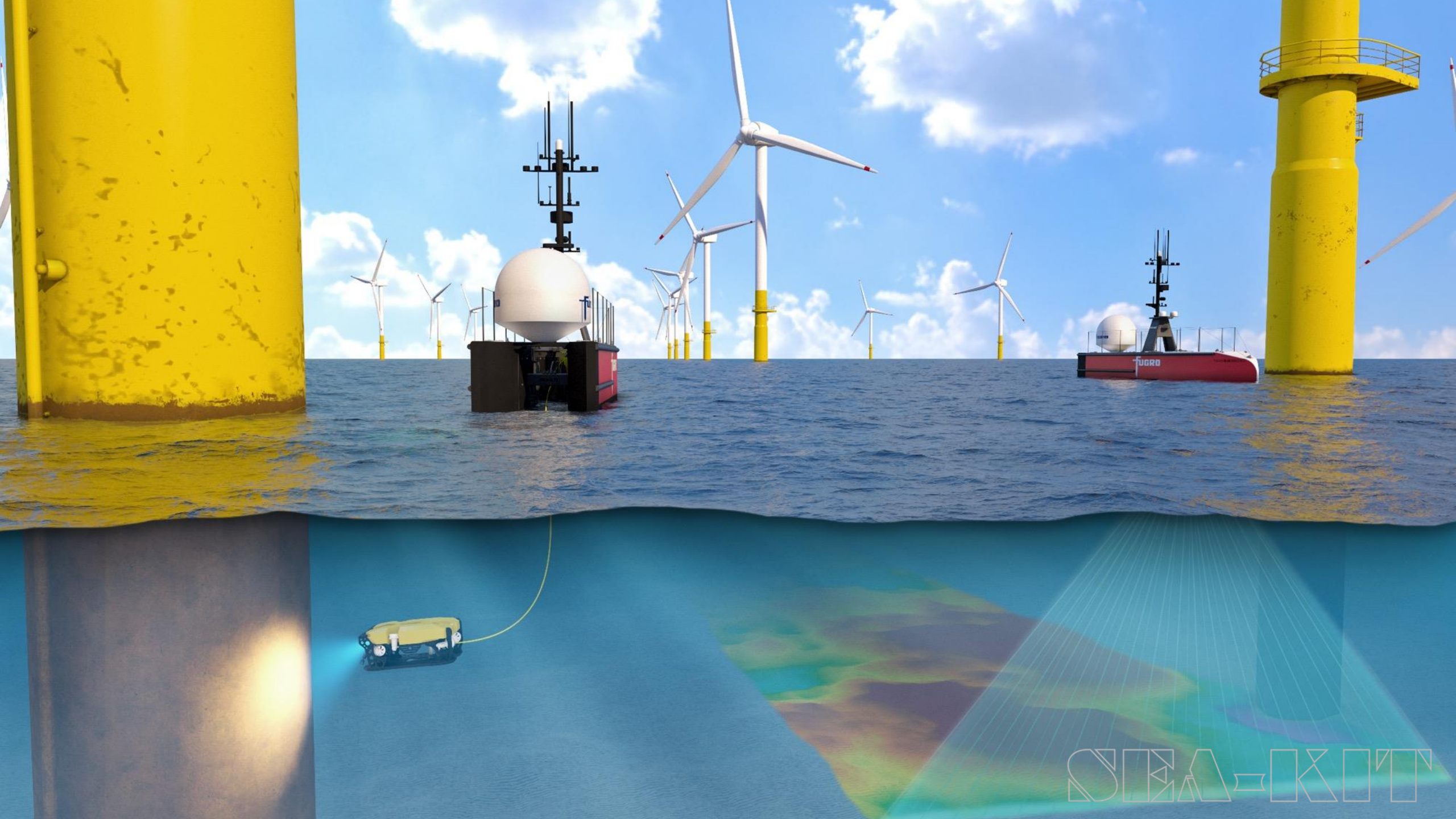


East-west leg can be almost completely mapped in two parallel runs of the Hugin – SEA-KIT paired

Additional survey lines were planned to completely cover the obligatory 10 km box with the HiSAS data acquired by Hugin AUV.

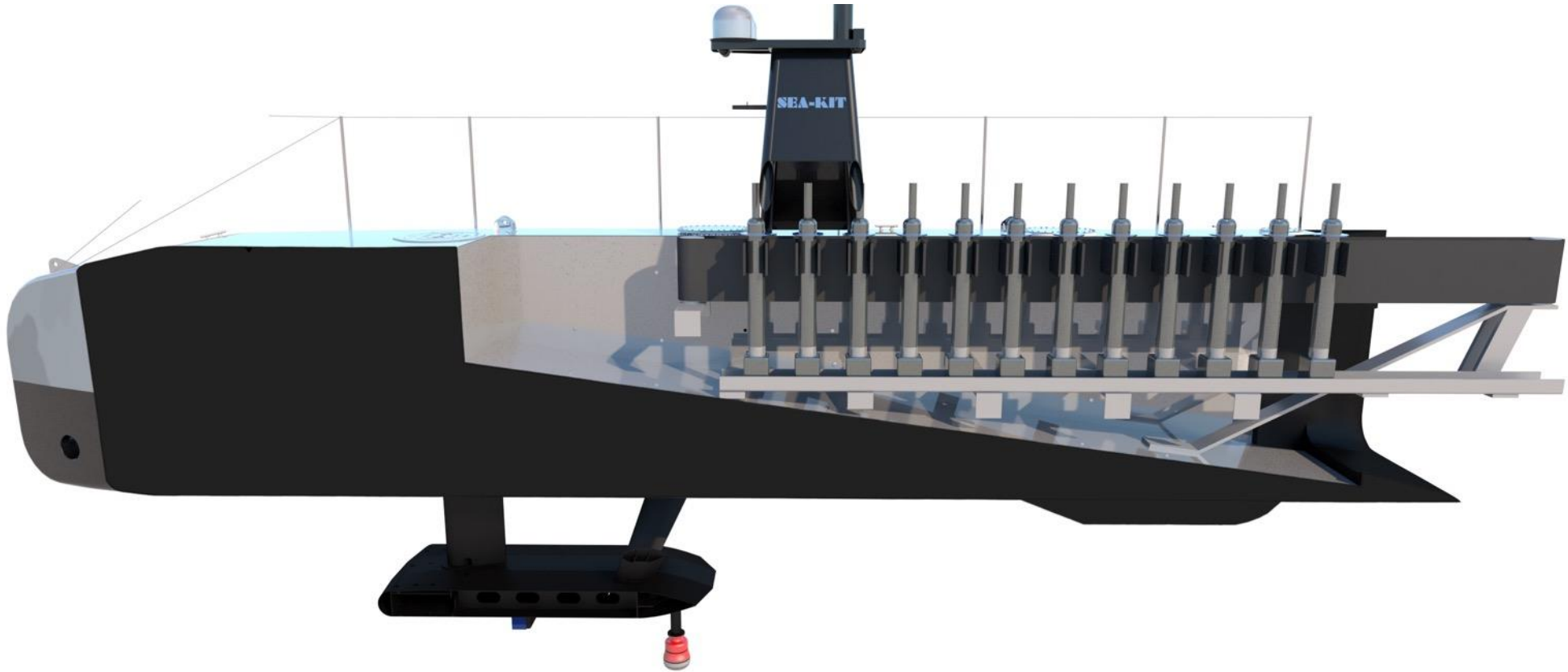
SEA-KIT mapped the longest east-west leg with the EM 304 deep-water echosounder system, running parallel to the Hugin AUV.





SEA-KIT

Argo deployment system



Business continuity



Uncrewed Surface Vessel



Remote operations centre

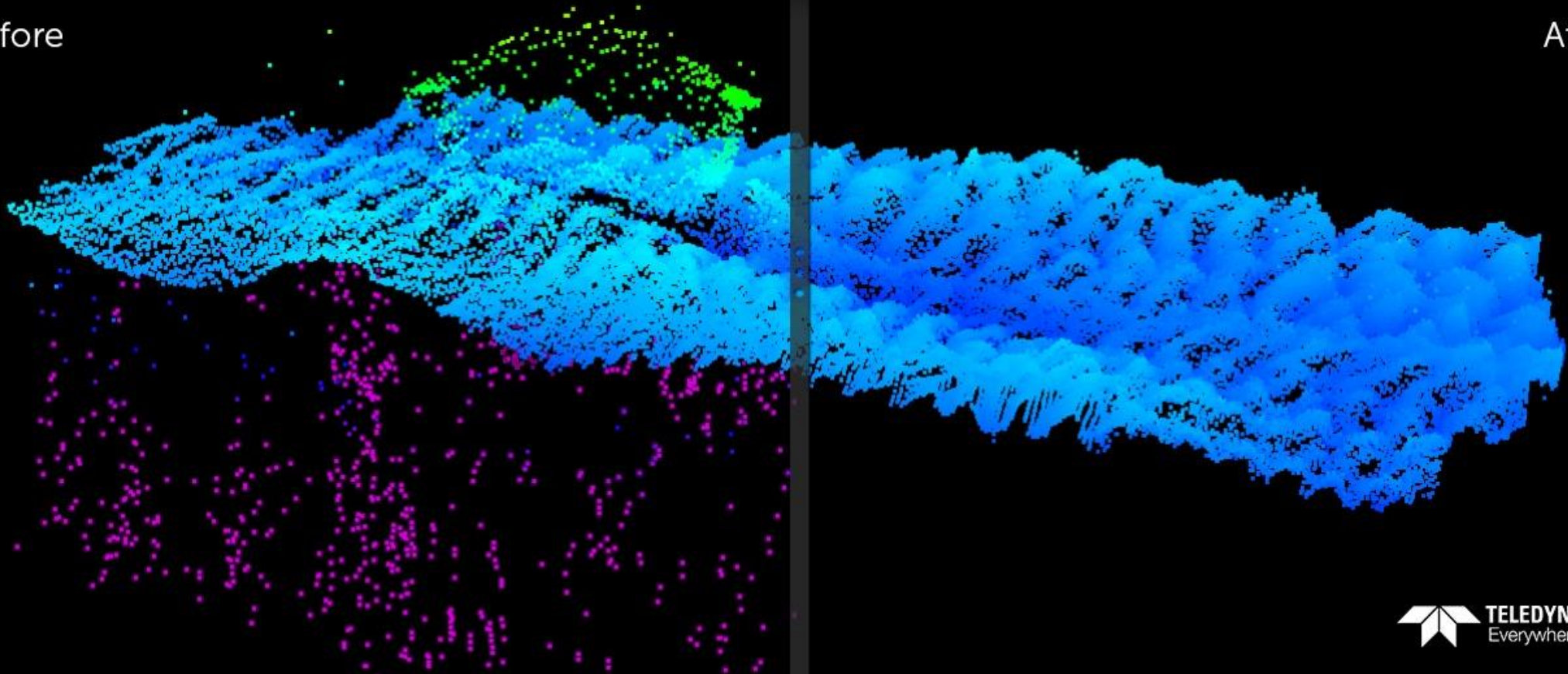


Offshore operations

CARIS Mira AI - Sonar Noise Classifier

Before

After



 **TELEDYNE CARIS**
Everywhere you look™

SEA-KIT

The future



SEA-KIT Omega 24m USV

- Improved safety
- Proven technology
- Long endurance
- Fully autonomous LARS
- Highly configurable
- Large payload capacity
- Ultra-low environmental impact
- Multiple mission variants
- Multiple offshore payload variations
- 30ft cargo container platform
- Interchangeable cargo pods