OLTER

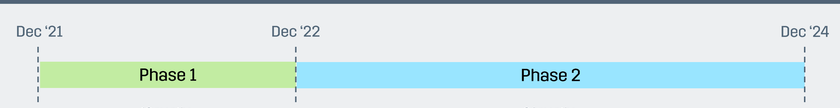
NZTTP Programme

Offshore Low Touch Energy RAS

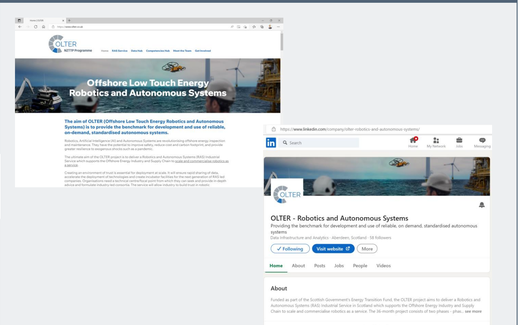
OLTER Ambition

The aim of the OLTER project is to deliver a Robotics and Autonomous Systems (RAS) Industrial Centre/Service which supports the Offshore Energy Industry and Supply Chain to scale and commercialise robotics as a repeatable, reliable, on-demand service.

Timeline



OLTER Socials




CATAPULT
Offshore Renewable Energy


THE NATIONAL
ROBOTARIUM
PEOPLE CENTRED :: INTELLIGENCE DRIVEN


technology
leadership board


D-RISQ
SOFTWARE SYSTEMS


Microsoft


accenture


Chevron


TotalEnergies


DRONEMAJORGROUP


Worley
energy | chemicals | resources


Lloyd's
Register


Ørsted


Innovate UK


HSE


SPRINT
ROBOTICS


Harbour
Energy


SCOTTISHPOWER
RENEWABLES


SSE


bp


mass
robotics


FLYLOGIX


UK Atomic
Energy
Authority

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Key Workstreams

- RAS Service
- Competency Hub
- Data Hub

Phase 1 ⏩ 12 months


Landscape Study


"Art of the Possible" Demonstrations


Knowledge Portal


Shared Analytics White Paper


BVLOS White Paper


Data Architecture

Phase 2 ⏩ 24 months


Business Case, Roadmap & Value Proposition


Innovation & Workshop Space


Digital Marketplace


Hi-Fidelity Digital Twin


"Art of the Possible" Demonstrations


Best Practice

www.olter.co.uk

www.linkedin.com/company/olter-robotics-and-autonomous-systems/

Key Outcomes

- Dedicated Centre for Industrial Offshore Energy RAS with 2 Technical Hubs (Data and Competency Hubs)
- Digital Marketplace (relating to payload sensor algorithms)
- Hi-Fidelity Digital Twin Environment to simulate and test new RAS vehicles
- Knowledge Portal

OLTER provides the benchmark for development and use of reliable, on-demand, standardised autonomous systems.

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Key Workstreams

- RAS Service
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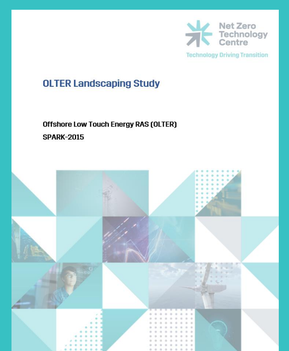
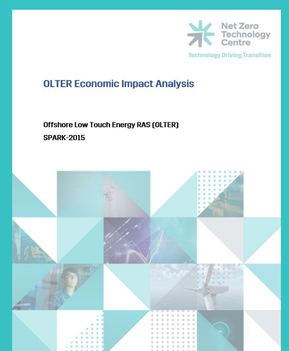
Landscaping Study & Economic Impact Analysis





Key Findings

Barriers to RAS development, deployment and commercialisation

- Fragmented approach
- Lack of safety and assurance during development prevents deployment
- Data sharing barriers
- Lack of clear definition into what 'good' looks like to satisfy regulators
- Lack of common technology testing methodologies
- Lack of collaboration between ecosystem entities, which limits the scalability of RAS
- Funding focusses on innovation, rather than facilitating progression from development to wide-scale applicability

Deloitte & OLTER Consortium

Gap in the market identified

Delivering an investible Business Case, Roadmap & Value Proposition

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Skyports

TBC

TBC

Key Workstreams	AIR	LAND	SEA
RAS Service			
Competency Hub			
Data Hub	BVLOS Payload Delivery	Ground Robots	Maritime

Onshore & Offshore Demonstrations, Technical Papers & Best Practice Development

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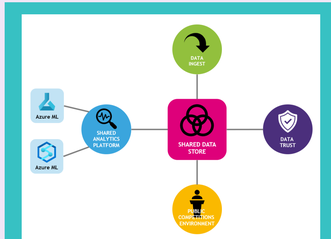
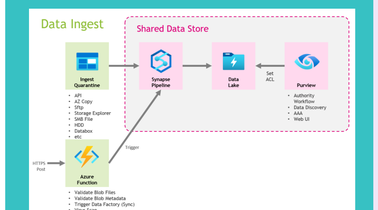
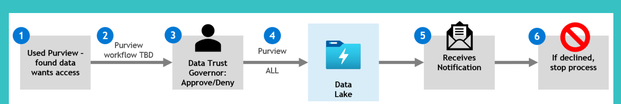
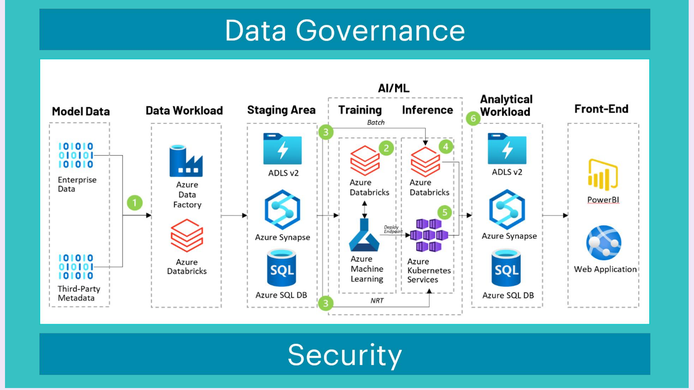
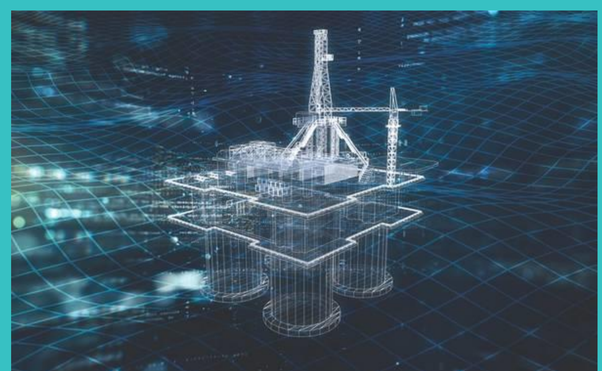
Key Workstreams	Data Architecture	Shared Analytics Platform	Hi-Fidelity Digital Twin
RAS Service	  		
Competency Hub			
Data Hub	OREC, NR & Microsoft	TBC	TBC

Developing a common approach across the offshore energy industry for collection, ingestion, sharing and storing of RAS data.

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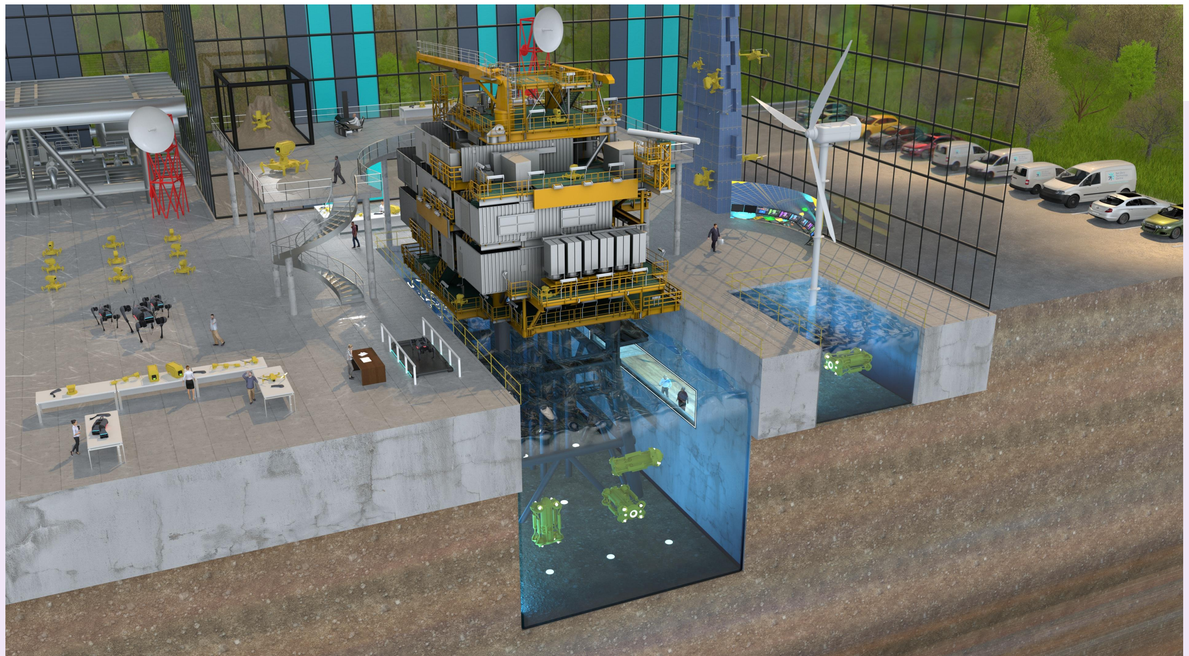
Dedicated Centre for Industrial Offshore Energy RAS



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