

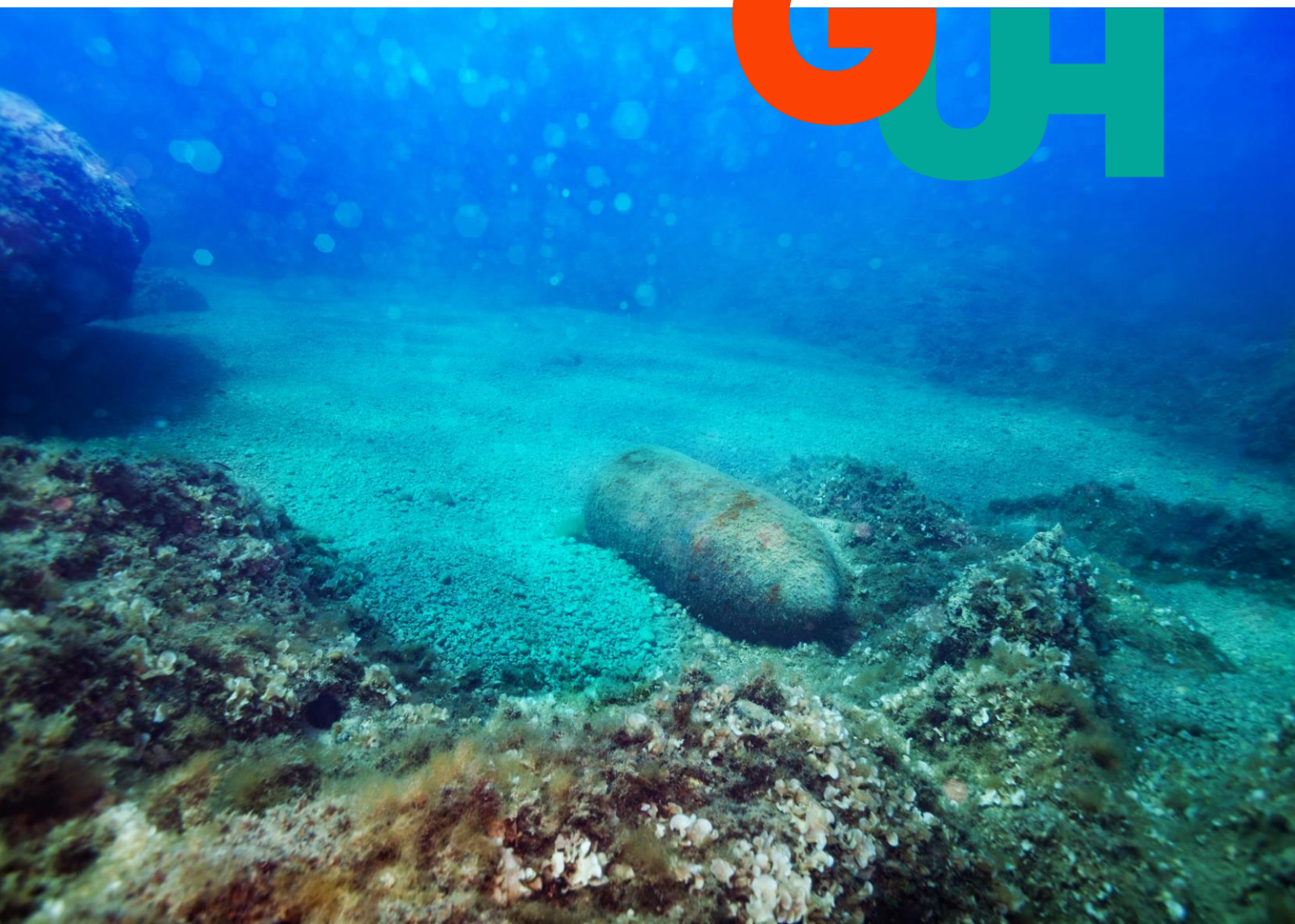
# Global Underwater Hub

## Unexploded Ordnance: Mitigation in the Marine Environment

Tuesday, 07 October

Energy Central Campus, Blyth

Includes pre-conference technology showcase on Monday, 06 October



Global Underwater Hub  
is the leading trade and  
industry development  
body for the UK's  
underwater sectors.

Owned and governed by industry, Global Underwater Hub represents, promotes and supports all sectors of the underwater industry. As the UK's underwater industry organisation, we support our member companies by enabling access to market opportunities, expertise, contacts and specialist support to accelerate market growth and build value.

# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Welcome to today's conference

Unexploded Ordnance: Mitigation in the Marine Environment is a new conference from Global Underwater Hub, the leading trade and industry development body for the UK's underwater sectors.

The conference programme will focus on the UXO mitigation process, bringing together a broad range of speakers from companies and organisations involved in the underwater industry, including offshore wind farm developers, regulators, UXO specialists and marine environmental conservators.

The event is being sponsored by **Helix Robotics Solutions** and **Next Geosolutions**.

Alongside the main conference programme on Tuesday, 07 October, a pre-conference technology showcase will be held on the Monday afternoon featuring presentations from a range of companies working in this field. Following the technology showcase a networking drinks reception, sponsored by **RapidScan Subsea from Enshore Subsea**, will be held at the Commissioners Quay Inn on Monday evening.

The conference is designed to provide opportunities to learn about UXO survey tools and processes, gain an understanding of challenges around marine UXO, share experiences and knowledge with fellow companies and individuals in this area, and network with those working across the UXO, marine and energy sectors.

# Unexploded Ordnance: Mitigation in the Marine Environment



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## Supporting partners

### Headline sponsor

#### Helix Robotics Solutions



Helix Robotics Solutions Limited, part of Helix Energy Solutions, is a leading supplier of subsea engineering services, operating state of the art Remote Operated Vehicles (ROVs), seabed trenching and geotechnical vehicles, and support vessels.

Its deepwater ROV track record spans 17 years, including oil and gas, renewable energy, subsea mining and specialty services projects executed successfully around the world.

Helix is also a leading provider of Explosive Ordnance Disposal (EOD) services, specializing in maritime UXO/MEC risk mitigation for maritime projects worldwide.

[www.helixesg.com](http://www.helixesg.com)

# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Supporting partners

### Supporting sponsor

Next Geosolutions



A leading player in international marine geoscience and offshore construction support services, Next Geosolutions combines the knowledge, expertise, and resources of teams and individuals with over 30 years of success in the offshore industry with its technical and operational capabilities, resulting in true turn-key solutions covering the entire lifecycle of projects.

The firm's mission is to provide its customers with all the data, information and support they need to accomplish their projects in full awareness, the highest quality and total safety, from conception up to the completion and beyond, until final decommissioning.

[www.nextgeo.eu](http://www.nextgeo.eu)

# Unexploded Ordnance: Mitigation in the Marine Environment



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## Supporting partners

### Drinks reception sponsor

#### Rapidscan Subsea



RapidScan Subsea is a multispectral subsea investigation tool from Enshore Subsea that is revolutionising subsea surveys with safe, stable, and efficient data collection, providing terrestrial quality data in the marine environment.

The tool represents a groundbreaking solution that revolutionises the field of marine UXO investigation. Developed to address the growing challenges associated with safeguarding coastal difficulties, this cutting-edge technology offers a robust, versatile, and highly efficient tool for real-time data analysis in aggressive environments.

Enshore Subsea is a globally trusted expert in the installation and protection of critical subsea infrastructure.

[www.enshoresubsea.com](http://www.enshoresubsea.com)



# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Conference programme

08:00 – 08:30	Registration, coffee and networking
08:30 – 08:35	Welcome from Ricci Boston, Regional Director, Global Underwater Hub
08:35 – 08:45	The overall challenge: Andrew Woollven, Helix Robotics Solutions
08:45 – 09:00	Developer perspective: Richard West, Flotation Energy
09:00 – 10:00	Session one – Regulatory and consent
10:00 – 10:40	Session two – Threat and risk assessment leading to risk management strategies
10:40 – 11:00	Networking break
11:00 – 12:00	Session three – UXO survey and target picking (p-UXO)
12:00 – 13:00	Lunch
13:00 – 14:40	Session four – UXO identification, clearance and relocation (c-UXO)
14:40 – 15:00	Networking break
15:00 – 15:40	Session five – ALARP / environmental
15:40 – 16:20	Open floor discussion
16:20 – 16:30	Closing comments: Andrew Woollven, Helix Robotics Solutions Steve Adams, Global Underwater Hub
16:30	Event close

# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Confirmed speakers

Delegates to the main **Unexploded Ordnance: Mitigation in the Marine Environment** conference on Tuesday, 07 October will hear insight from representatives of the following organisations:





# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Overview and opening speakers

Unexploded Ordnance – Mitigation in the Marine Environment is a new conference from Global Underwater Hub with a specific focus on the critical area of unexploded ordnance (UXO) in the marine environment. The event will explore current practices to raise awareness and identify improvement areas for data collection, knowledge sharing mechanisms and the prioritisation of environmentally sustainable methods of disposal.

An increase in marine development in the waters off the United Kingdom, across Europe and internationally is leading to the discovery of a growing number of UXO. With estimates suggesting that there are hundreds of thousands of UXO in these waters, potentially posing a risk to infrastructure, marine users, marine wildlife and the environment, the scale of the issue becomes apparent.

Safe and environmentally sensitive clearance of these legacy munitions is required to protect human and marine life and the planned infrastructure, whilst also not impeding existing marine users.

### Andrew Woollven



EOD Capability Director  
Helix Robotics Solutions

### Richard West



Principal Offshore Consenter  
Flotation Energy

# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Session one – Regulatory and consent



**Greg Powell**

**Morning facilitator**

EOD Capability Coordination Manager

Helix Robotics Solutions



**Dr Sarah Canning**

Senior Marine Mammal Adviser

JNCC – Joint Nature Conservation Committee



**Dr Natalie Sinclair**

Marine Adviser: Underwater Noise

NatureScot



**Edward Walker**

Environmental Specialist – Coastal Energy

Xodus

# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Session two – Threat and risk assessment leading to risk management strategies



**Greg Powell**

**Morning facilitator**

EOD Capability Coordination Manager

Helix Robotics Solutions

**Keith Higgins**

Senior Marine Mammal Adviser

Ordtek



# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Session three – UXO survey and target picking (p-UXO)



**Greg Powell**

**Morning facilitator**

EOD Capability Coordination Manager

Helix Robotics Solutions



**Darren Robertson**

UK General Manager

Next Geosolutions



**Franziska Auer**

Maritime Industry Specialist & PhD student

TKMS



**Simon Cooke**

Managing Director

6 Alpha Associates

# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Session four – UXO identification, clearance and relocation

The logo for Xodus, featuring a stylized 'X' in teal and the word 'XODUS' in black.	<b>Jack Poleykett</b> Principal Consultant Xodus	<b>Session facilitator</b>
The logo for Helix Robotics Solutions, featuring a stylized 'H' in red and black and the word 'Helix' in black, with 'ROBOTICS SOLUTIONS' in smaller text below.	<b>Kim Godfrey</b> EOD Business Development Manager Helix Robotics Solutions	
The logo for Enshore Subsea, featuring a stylized 'e' in teal and the word 'ENSHORE' in black, with 'FROM ONSHORE TO OFFSHORE' in smaller text below.	<b>Henry Oakes</b> Head of Commercial Enshore Subsea	<b>Philip Strettle-Brown</b> Head of Survey
The logo for Boskalis, featuring a crown icon and the word 'Boskalis' in black.	<b>Menno Kleijn</b> Commercial Manager Boskalis	<b>Jonah Geils</b> Geophysicist
The logo for ThayerMahan, featuring a stylized 'T' in blue and the word 'ThayerMahan' in black, with 'Sea beyond' in smaller text below.	<b>Anthony Appleton</b> Technical Consultant ThayerMahan	
The logo for Royal IHC, featuring the word 'Royal' in black and 'IHC' in white on a red background.	<b>Hubert van Strien</b> Business Development Manager Royal IHC	

# Unexploded Ordnance: Mitigation in the Marine Environment



Tuesday, 07 October 2025

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## Session five – ALARP / environmental



**Dr Sarah Canning**

**Session facilitator**

Senior Marine Mammal Adviser

JNCC – Joint Nature Conservation Committee



**Dr Gehrig Schultz**

Principal Geoscientist

EPI Group

**Heidi Etter**

Director of Environmental Sciences



**Anthony Appleton**

Technical Consultant

ThayerMahan

# Unexploded Ordnance: Mitigation in the Marine Environment

Tuesday, 07 October 2025

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## Opening speaker



### Andrew Woollven

EOD Capability Director

Helix Robotics Solutions

Andrew Woollven is a former Royal Navy Warfare Commander and Mine Clearance Diving Specialist. On leaving the military he undertook offshore EOD Superintendent roles followed by extensive work with a small team of former Royal Navy advanced EOD operators to bring low order deflagration (LOD) into the commercial arena.

In early 2024 he joined Helix Robotics Solutions as its Director of EOD along with this small EOD team and together they have quickly established Helix as the UK's premier deliverer of LOD for commercial maritime EOD operations.

He is a master's graduate of Kings College and a Member of the Institute of Explosive Engineers.



# Unexploded Ordnance: Mitigation in the Marine Environment

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## Opening speaker

### Richard West

Principal Offshore Consenter

Flotation Energy



Richard has nine years of experience in offshore wind. He has been working as a Principal Offshore Consenter for Flotation Energy on the Morecambe Generation Assets project since January 2024, through the DCO application and examination process.

Prior to this, Richard worked in Consents for SSE on the Dogger Bank projects and for the MMO, working in the Marine Licensing Team on renewable energy projects, including input to strategic forums on underwater noise. Richard's previous background is in marine and freshwater ecology, where he carried out monitoring work, data analysis and reporting for the Environment Agency and Natural Resources Wales.

# Unexploded Ordnance: Mitigation in the Marine Environment

Tuesday, 07 October 2025

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## Exhibiting companies

### Boskalis



Boskalis offers a unique range of offshore services to the international energy sector: oil, gas and renewables. The firm is involved in the development, construction, transportation, installation, inspection, repair and maintenance (IRM), and decommissioning of offshore and onshore energy production facilities.

Boskalis offers fully equipped diving support vessels (DSVs) and construction support vessels (CSVs), coupled with in-house project management and engineering expertise, allowing the firm to deliver planned and responsive support for our clients.

[www.boskalis.com/offshore](http://www.boskalis.com/offshore)

# Unexploded Ordnance: Mitigation in the Marine Environment



Monday, 06 October 2025

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## Technology showcase programme

13:30 – 14:00	<b>Registration, coffee and networking</b>
14:00 – 14:05	<b>Welcome:</b> Professor Paul Lepper, Loughborough University
14:05 – 14:20	<b>Bayonet AUGV System:</b> Graham Lester, Wight Ocean / Greensea IQ
14:20 – 14:35	<b>Systems Collaboration:</b> Julian Rickards, Sonardyne Mike Gallo, EIVA
14:35 – 14:50	<b>eBoss A Bridge from p-UXO to c-UXO:</b> Nick Lawrence, EdgeTech
14:50 – 15:05	<b>Managing UXO Safety Concerns to Maritime Third Parties:</b> Robert Greenwood, Quinham
15:05 – 15:25	<b>Networking break</b>
15:25 – 15:40	<b>The four-track advantage: Mastering shallow-water UXO id and clearance:</b> Scott Mabin, Royal IHC
15:40 – 15:55	<b>3D acoustics to identify and measure buried pUXO:</b> Chris Almond, Kraken Robotics
15:55 – 16:10	<b>Protecting all marine life, throughout bubble curtain solutions driven by sustainable oil free air:</b> Frederik Cieters, Atlas Copco Isabell Rosenfield, Hydrotechnik Offshore
16:10 – 16:25	<b>The RapidScan System:</b> Philip Strettle-Brown, Enshore Subsea
16:25 – 16:40	<b>Closing comments:</b> Professor Paul Lepper, Loughborough University
16:40	<b>Event close</b>
17:30	<b>Drinks Reception sponsored by RapidScan Subsea</b> Commissioners Quay Inn, Blyth (advance registration required)

# Unexploded Ordnance: Mitigation in the Marine Environment



Monday, 06 October 2025

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## Confirmed speakers

Delegates to the **Unexploded Ordnance: Mitigation in the Marine Environment** technology showcase on the afternoon of Monday, 06 October will hear insight from representatives of the following organisations:



# Unexploded Ordnance: Mitigation in the Marine Environment

Monday, 06 October 2025

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## Session facilitator



Loughborough  
University

### Professor Paul Lepper

Head of bio-acoustics

Loughborough University

Professor Paul Lepper specialises in the general field of underwater acoustics, bioacoustics and underwater technologies, including acoustic and optical underwater systems, sound field measurement and modelling, marine species hearing and acoustic impact of noise on marine fauna.

Current research topics include measurement and characterisation of underwater noise sources and the assessment of noise impact on marine fauna. These topics have included work to assess the construction noise from several offshore windfarm developments, various petroleum platforms, and projects looking at noise from small leisure craft. This research has included source characterisation, sound field modelling and modelling marine species exposure. He is also involved in projects to assess hearing abilities of marine mammals and the use of acoustic deterrents.

# Future events from Global Underwater Hub

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Global Underwater Hub organises a series of events throughout the year, bringing together businesses to discuss key industry topics. Full event information, including booking details and calls for abstracts can be found on our website at [www.globalunderwaterhub.com](http://www.globalunderwaterhub.com), where you can also sign up to receive our weekly e-newsletter.

## Umbilicals Conference 2025

Tuesday, 11 November | [Westhill, Aberdeen](#)

Global Underwater Hub and the Umbilical Manufacturers' Federation will bring together a range of stakeholders with an interest in the design, manufacture, installation and operation of subsea umbilicals for the annual Umbilicals Conference.




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## Underwater Robotics Conference 2025

Thursday, 27 November | [Westhill, Aberdeen](#)

This annual conference has become a central strand of Global Underwater Hub's programme. The one-day event will focus on three key themes: ROV and robotics hardware, peripherals and accessories, and analysis and autonomy.




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## Moorings and Anchors Conference & Workshop 2026

Tuesday, 24 March | [Dynamic Eart, Edinburgh](#)

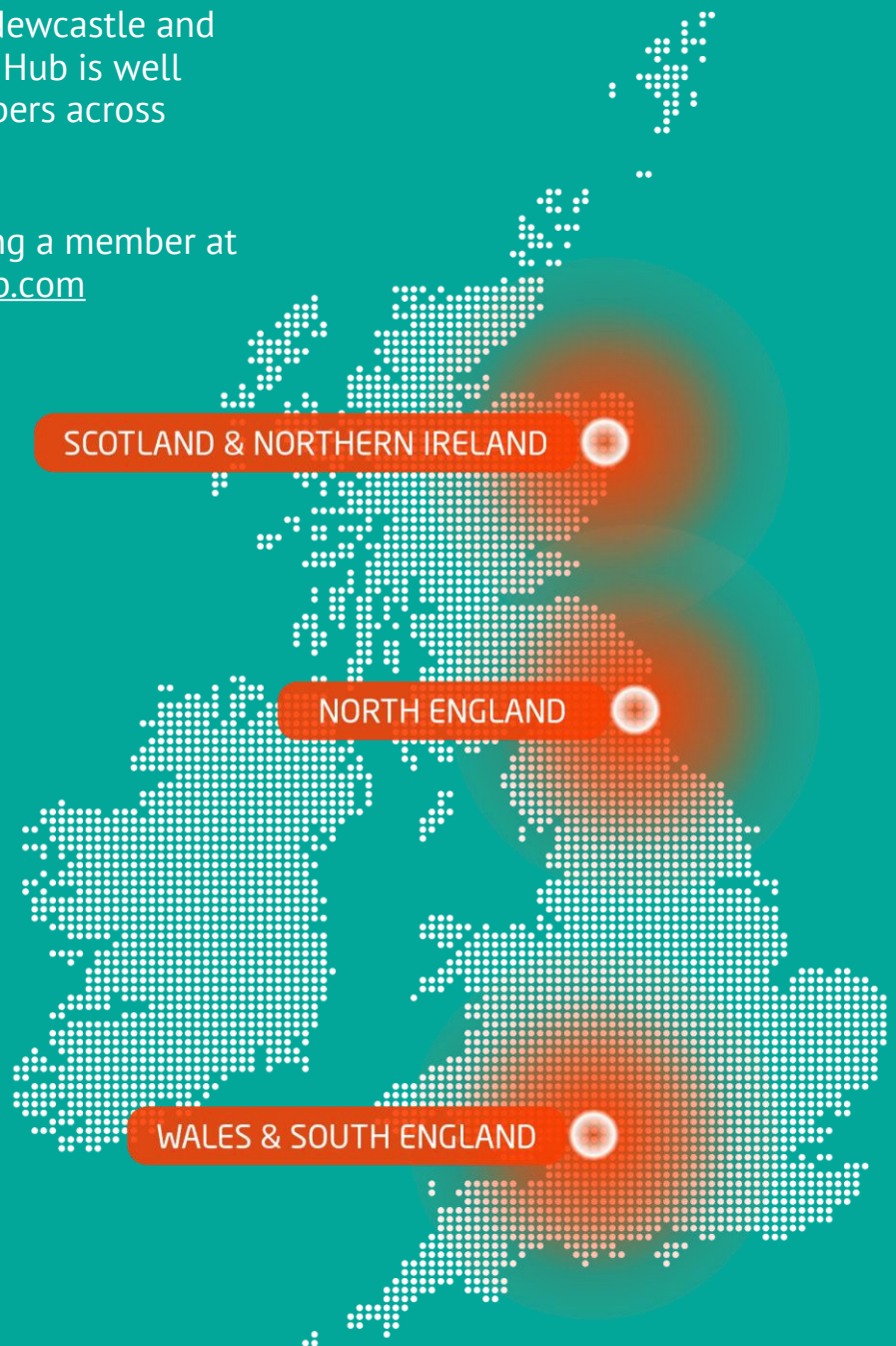
The third edition of this popular annual conference will provide an engaging platform for delegates to explore the key elements of the life cycle of mooring systems which are critical for offshore projects in multiple sectors.



Led and governed by industry, Global Underwater Hub is helping to transform the UK's underwater industry into one of the largest and fastest-growing industries in the country, accelerating the drive to net-zero and creating high value jobs and exports.

With offices in Aberdeen, Newcastle and Bristol, Global Underwater Hub is well placed to support its members across the United Kingdom.

Learn more about becoming a member at [www.globalunderwaterhub.com](http://www.globalunderwaterhub.com)



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