



Marine Licence Application for Scientific Instrument Deployments

Version 1.0

Marine (Scotland) Act 2010 Marine and Coastal Access Act 2009

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Under Section 54 of the Marine (Scotland) Act 2010 and Section 101 of the Marine and Coastal Access Act 2009, all information contained within and provided in support of this application will be placed on a Public Register. There are no national security grounds for application information not going on the Register under the 2010 Act. Under the 2009 Act, application information goes on the Register unless the Secretary of State determines that its disclosure in the Register would be contrary to the interests of national security.

Public Register

Do you consider that any of the information contained within or provided in support of this application should not be disclosed:

- (a) for reasons of national security; YES NO
- (b) for reasons of confidentiality of commercial or industrial information where such confidentiality is provided by law to protect a legitimate commercial interest? YES NO

If **YES**, to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

WARNING

It is an offence under the Act under which this application is made to fail to disclose information or to provide false or misleading information.

Target duration for determination is 14 weeks. Please note that missing or erroneous information in your application and complications resulting from consultation may result in the application being refused or delayed.

Marine licence applications will not be accepted unless accompanied by a cheque for the correct application fee, or if an invoice is requested, until that invoice is settled. Target timelines for determining applications do not begin until the application fee is paid.

Declaration

I declare to the best of my knowledge and belief that the information given in this form and related papers is true.

Signature

[Redacted]

Date

24.10.18

Name in BLOCK LETTERS

[Redacted]

Application Check List

Please check that you provide all relevant information in support of your application, including but not limited to the following:

- Completed and signed application form
- Maps/Charts
- Co-ordinates of the boundary points of the area of harbour jurisdiction (if you are a statutory harbour authority)
- Method Statement
- Additional information e.g. photographs, consultation correspondence (if applicable)
- Noise Registry – Initial Registration Form (if applicable)
- Payment (if paying by cheque)

1. Applicant Details

Title: [Redacted] Initials: [Redacted] Surname: [Redacted]

Trading Title (if appropriate): **Scotmarine Ltd**

Address: Innovation Centre-Orkney, Hatston Pier Road, Kirkwall, Orkney KW15 1ZL

Name of contact (if different):

Telephone No. (inc. dialing code): [Redacted]

Email: [Redacted]

Statutory Harbour Authority? YES NO

If **YES**, please provide a list of the latitude and longitude co-ordinates (WGS84) of the boundary points of the area of harbour jurisdiction using Appendix 01 Additional Co-ordinates form if necessary.

2. Agent Details (if any)

Title: Initials: Surname:

Trading Title (if appropriate):

Address:

Name of contact (if different):

Telephone No. (inc. dialing code):

Email:

3. Payment

Enclosed Cheque Invoice

Contact and address to send invoice to:

Applicant Agent Other

If **OTHER**, please provide contact details:

Title: Initials: Surname:

Address:

Email:

4. Application Type

Is this application for a new scientific instrument deployment site or an existing scientific instrument deployment site:

New Site Existing Site

If an **EXISTING SITE**, please provide the consent/licence number or any other reference details and the expiry date if applicable and expiry date:

Consent/Licence Number or Other Reference Details	Expiry Date

5. Project Details

(a) Brief description of the project (e.g. wave rider buoy deployment):

Deployment of ADCP for tidal resource assessment

(b) Proposed start date (Target duration for determination of a marine licence application is 14 weeks):

Nov/Dec 2018

(c) Proposed completion date:

Mar/Apr 2019

(d) Cost of the works seawards of the tidal limit of MHWS:

£2000

(e) Location:

North of Switha, Orkney

Latitude and Longitude co-ordinates (WGS84) defining the extent of the project (continue on Appendix 01 Additional Co-ordinates form if necessary):

Latitude									Longitude													
5	8	°	4	8	.	2	4	2	'	N	0	0	3	°	0	6	.	3	8	4	'	W
		°			.				'	N				°			.				'	W
		°			.				'	N				°			.				'	W
		°			.				'	N				°			.				'	W
		°			.				'	N				°			.				'	W
		°			.				'	N				°			.				'	W
		°			.				'	N				°			.				'	W
		°			.				'	N				°			.				'	W
		°			.				'	N				°			.				'	W

(f) Is the project located within the jurisdiction of a statutory harbour authority?

YES NO

If **YES**, please specify statutory harbour authority:

Orkney Islands Council Harbour Authority

(g) Method statement including schedule of work (continue on separate sheet if necessary):

Deploy Teledyne 600kHz ADCP acoustic current and wave profiler mounted in sub sea tripod on seabed with 2611 Damen Multicat Vessel:

1. Mobilise to site from Kirkwall Harbour.
2. In slack tide conditions deploy ADCP tripod and anchored marker buoys over the side and lower with vessel crane.
3. Accurately position on seabed using sub sea camera and vessel positioning.
4. Periodic 4-6 weekly checks of ADCP, lift out with vessel crane, inspect and redeploy (as per point 3).
5. Final recovery after 4 months, complete removal of all equipment from site with vessel.

(h) Potential impacts the works may have (including details of areas of concern e.g designated conservation and shellfish harvesting areas) and proposed mitigation in response to potential impacts (continue on separate sheet if necessary):

This short (up to 4 months) ADCP deployment will have negligible environmental impact.

Vessel movements will be minimal with only short durations (<1hr) spent on site for deployment, periodic recovery/ redeployment and final recovery.

The ADCP tripod frame will be prevented from moving when deployed on the seabed by being sufficiently ballasted and connected to two anchored solid form marker buoys attached via weighted rope.

6. Deposits

(a) Please indicate the instruments to be deployed:

Instruments	Instrument Details (e.g description, type and size)	Quantity
Scientific Buoys (e.g waveriders or wave-powered)		
Marker Buoys	Polyform MR30 Foam Rod Buoys (min diameter 250mm) on weighted anchor ropes	2
Associated Guard Buoys		
Profiling Instruments (e.g ADCP)	Teledyne 600kHz ADCP in sub sea tripod frame (diameter 1.5m, Height 1.5m)	1
ROV		
Other (please specify)		

(b) Details of any vessel(s) undertaking deposit or removal activities (please note that a marine licence cannot be issued until the vessel details have been confirmed. Continue on a separate sheet if necessary):

Vessel	Vessel Name	Type of Vessel	Name and Address of Operator
1	ORCADIA II	2611 Multicat	Scotmarine Ltd, Innovation Centre-Orkney, Hatston Pier Road, Kirkwall, KW15 1ZL
2			
3			
4			
5			

(c) Further details of any vessel(s) undertaking deposit or removal activities (please note that a marine licence cannot be issued until the vessel details have been confirmed. Continue on a separate sheet if necessary):

Vessel	Vessel Role (e.g guard or fisheries liaison)	Vessel to be Stationary (include length of time to be stationary)
1		
2		
3		
4		
5		

7. Noise Monitoring

Will loud, low to mid frequency (10Hz to 10kHz) impulsive noise be produced by the project? YES NO

If YES, which please indicate the noise generating activities and sound frequencies:

Noise Generating Activity	Sound Frequency (Hertz)
Use of Explosives	
Use of Acoustic Deterrent Devices	

Other (please describe below):	

If you have ticked **YES**, please complete the Noise Registry – Initial Registration form located at: <http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/noise-reduction>

A marine licence application will not be accepted until this form has been completed and submitted.

8. Scotland's National Marine Plan

Have you considered the application with reference to Scotland's National Marine Plan? YES NO

If **YES**, provide details of considerations made including reference to the policies that have been considered:

<p>4. General Policies - No conflict with any of the general policies.</p> <p>6. Sea Fisheries - Deployment site has been selected so as not to conflict with any current inshore fishing activity.</p> <p>7. Aquaculture - No conflict with any existing or planned aquaculture sites.</p> <p>13. Shipping, Ports, Harbours and Ferries - No impact, not located in shipping or ferries routes and away from ports and harbours.</p> <p>14. Submarine cables - No impact as none in vicinity.</p>
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If **NO**, please provide an explanation of why you haven't considered the National Marine Plan?

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9. Consultation

List all bodies you have consulted and provide copies of correspondence:

None.

10. Associated Works

Provide details of other related marine projects, including reference/licence numbers (if applicable):

None.