

Facilities and Equipment



The Aquaculture Hub at UHI has access to an array of instrumentation, laboratories, and vessels for its staff to deliver world-class research, commercial projects, and many of these are available for consultancy services and hire to other academic and commercial organisations. Our locations in Shetland and Oban offer easy access to field trials sites.

SAMS UHI stock photography, Oban, May 2015
Image: Tim Winterburn/UHI



State of the art facilities include:

○ Laboratory

- Cell culture
- Biochemistry and functional assays
- Chemistry (HPLC, SEM, ICP-OES, GC, etc.)
- Microbiology
- Microscopy
- Molecular biology and genetics
 - High-throughput DNA sequencing capacity and a dedicated environmental DNA laboratory.
- Mass spectrometry - capacity to measure proteins, lipids, drugs, micronutrients, etc.

○ Aquaculture research farms

○ Survey equipment

- Hydrographic, biological, chemical, sonar (multibeam, sidescan, etc.), ADCPs, AWACs, wave buoys, met stations, CTD, video, etc.

○ Sampling equipment

- Seabed, oceanographic, plankton, water quality, fisheries, etc.

○ Survey vessels

- Marine robotics - flying and diving - with qualified pilots and specialist services

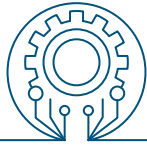
○ Bioinformatics and data mining tools

○ Modelling services

- Ocean and atmosphere

○ Libraries and IT services

○ Meeting and conference facilities



The Marine Hatchery

In Shetland, the Marine Hatchery features a tank house with a variety of tankage suitable for a variety of replicated trials, broodstock, nursery and ongrowing. The tank house currently has sixteen 3m³ tanks and eight 22m³ tanks. The adjacent hatchery building was recently configured for shellfish activities and features a SeaCAPS continuous algal production system, laboratories and culture suites with larval rearing tank rooms, office spaces and staff welfare areas.

The Alan Ansell Research Aquarium

Located in Oban, the Aquarium and extends to 160m² of indoor and outdoor facilities. The indoor facilities include an open-plan experimental area, a mezzanine floor with a communications room, communal areas and numerous photoperiod and constant temperature rooms. Outside areas includes raceways and tanks.



Research Marine Farms Sites

In Oban and Shetland, we can conduct research on our marine farm sites to support finfish, shellfish, and seaweed producers.

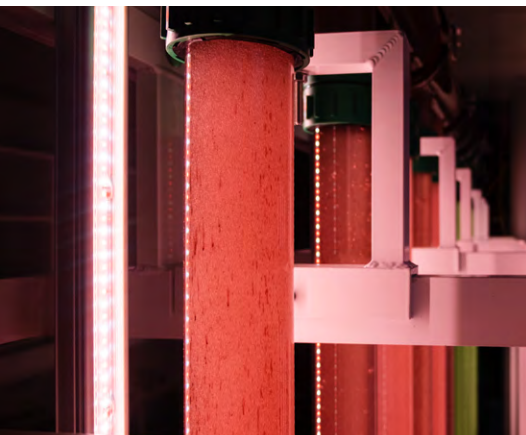
Seaweed Nursery

Enabling applied research capabilities and supporting the growth of the seaweed industry.

Project support

An in-house multi-skilled technical support team is available to assist in the design, development, setup and running of bespoke experimental systems to conduct aquaculture or marine ecology related research projects in these aquaria.

There are many more facilities and equipment opportunities at UHI.



For enquiries connect with us today at
www.uhi.ac.uk/aquaculture



aquaculture@uhi.ac.uk



[@UHIAquaculture](https://twitter.com/UHIAquaculture)