

Project Case Study

Client:	Sterner Aquatech UK
Ultimate Client:	Fish Vet Group/FAI Farms
Project Value:	£2.5m (M&E/Process Works)
Dates:	December 2014 – October 2015

**Description:**

This project involved a major upgrade to a marine research facility located at Ardtoe in Moidart.

Upgrading the sea water intake to improve water quality and security of supply included the construction and installation of new intake pumps, buffer tank, settlement channels and drum filters, a further buffer tank, booster pumps and UV disinfection.

A new building was constructed and fitted out using food-grade cladding panels and resin flooring to create a biosecure and high-care environment to be used as a unit for providing genetic, feed and disease trials for aquaculture research. The trials unit was kitted out with new tanks, aquaculture lighting, automatic feeding, oxygenation and control systems.

A new effluent treatment plant was installed using drum filtration, ozone and UV technology to ensure no pathogens from research and trials work could be discharged into the environment. Other life support systems were also installed including oxygen plant, sensors for monitoring water quality, and temperature control.

Scope of Works:

Northern Light were responsible for managing the safe installation of all mechanical, electrical and process equipment, in addition to the fit-out of the new trials building. Managing the interface with the client and civils/building contractors. Site supervision and regular reporting on progress. Maintaining a safe working environment for our client's workforce on a challenging project.

Key Points

Phasing of the works to avoid disruption to ongoing operation of the facility, and also due to an extremely restricted working area, ensuring that existing plant and equipment could be removed/demolished to make space for new plant and equipment.

Logistical challenges involved in working in a very rural, remote location using off-site modular/containerised solutions wherever possible.