Anglesey Wrasse Project

August 2019

History of the Site

- Opened in 2008 as largest Seabass RAS system, with aim of producing 1000mT/year, as part of Selonda.
- Went into administration in 2011, and was rescued in 2012 by venture capital firm Linneaus CP, rebranding business as Anglesey Aquaculture.
- Market conditions caused a cessation of business in 2015, and all fish harvested out with business moth-balled.
- Mowi purchased facility with intention of converting into a Ballan Wrasse production facility.
- Planning for first egg intake in January 2020 with first deployment May 2021.

Location

- Located 300m from Ocean Matters, near Beaumaris, Anglesey.
- Brownfield development in disused limestone quarries.
- Access to clean, stable seawater via a buried bed pumping system.
- Close to major UK road network (5 hours to London, 8 hours to Scottish Highlands, 1 hour to Holyhead deep-water port).
- Located far away from salmon farms.
- Intake system operating on ozonated supply.

Larvae System

- Complete redevelopment of seabass fry system.
- Removal of all existing piping and tanks and new custom system being input.
- New shed being build externally to provide bespoke life-support system services.
- RAS design, with limited water use.

Outside development of new Larval Life support system

- Existing hatchery with new Larval recirculation facility.

Larval and Live Feed units: Internal fit-out

- Live feed – new systems being built

Nursery and Ongrowing units: Internal fit-out

- New Nursery unit tanks and existing ongrowing room

Nursery System

- Existing tanks too large to work inside, and have lead to need to infill and cap these with concrete providing new system.
- Retrofit of existing life-support system underway, involving new tank supply system, UV addition, and modified solids filtration.
- Capacity of system to be reduced by around 60% from original Seabass requirement.
- Large civil and engineering project.

Intake Water Treatment

- Re-development and improvement of Seabass equipment to provide a more secure system in-line with hatchery requirements.
- Large civil project creating concrete sealed vessels.
- UV and ozone being used.
- Storage capacity for around 1000 cubic meters of sterilised treated water.

Other Considerations

- View to provide 12 additional jobs.
- Indirectly supporting multiple local contractors during build.
- Will be the largest marine RAS in the UK when finished.
- Retrofit of existing facility is challenging but allows for a faster build and shorter time to first harvest.

MOWI