

2016

# The AgriMarine System for Post Smolt



AgriMarine  
Technologies

# Faster Growth Rates - Reduced Sea Lice – Lower Mortalities

## The AgriMarine System™

### Post-smolt production in semi-closed containment systems



AgriMarine Technologies Inc. (ATI) pioneered the concept and design of solid-wall floating semi-closed containment systems for aquaculture. With over a decade of innovation, the AgriMarine System™ has been proven to demonstrate production and husbandry benefits. Better control of the rearing environment, protection against sea lice and predators, temperature modulation and risk mitigation from toxic algae and low dissolved oxygen events are some of the advantages of this technology.

#### **Improved protection of smolt**

Protecting smolt from sea lice infestation is a growing trend in aquaculture. Extensive trials are being conducted in major aquaculture centres for the production of large, seawater-adapted smolt utilizing closed-systems.

Shorter time in open net pens based on using semi-closed containment for post smolt production allows for better stock management and environmental controls. Reducing sea lice and lowering mortality rates during the most vulnerable period of the salmon production cycle are key goals in current aquaculture

practices. Young salmon are often too weak to survive the challenges of disease and sea lice after being stocked in an ocean environment. Reducing the time in net pens is proving to increase survival rates and leading to more robust fish that are able to withstand the marine environment as juveniles.

#### **Faster growth rates**

With increasing interest in large smolt in the industry, the AgriMarine System™ is the standard bearer for this type of this technology. AgriMarine's floating semi-closed systems are utilized to produce healthier, larger smolt, up to 1 kilogram, before transfer to sea cages. While capital costs are higher than a net system, production costs will be reduced due to better feed conversion, lower mortalities, higher biomass densities, improved fish welfare and lower costs of sea lice treatments. As well, better growth rates translate to faster inventory turns, and thus a better utilization of capital.

Current users report specific growth rates (SGR) of 1.76, and mortalities of .05% in fish up to 400 grams. Check in with us for updated data.