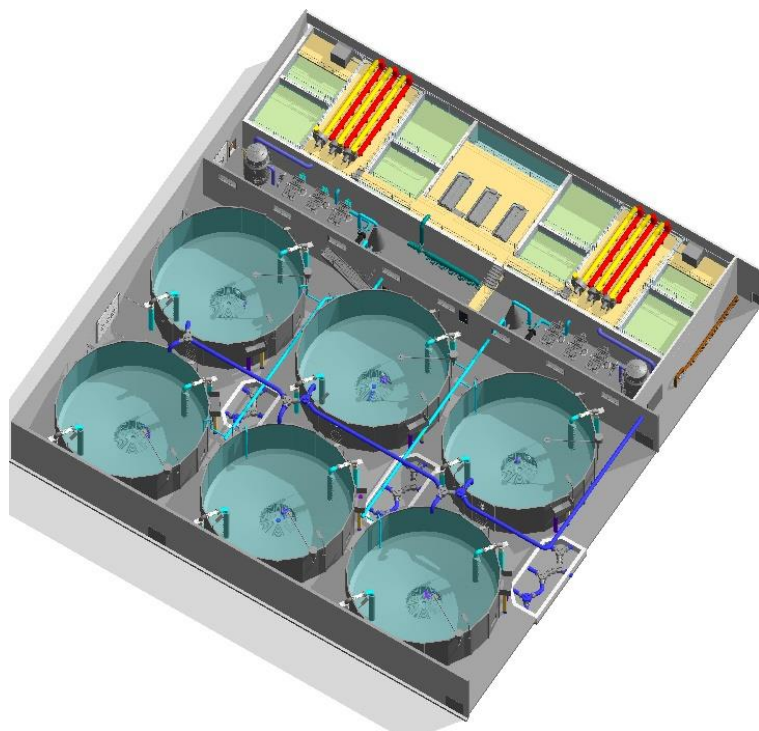




NAC – GROW-OUT CONCEPT

Full RAS setup followed by mechanical filtration, biologic filtration, oxygenation, CO2 stripping through vacuum degassing and main circulation pumps. Scalable and adjustable.



Supports system follows:

- 1) Cooling system 1 MW capacity.
- 2) Ozon generation and diffusion system 10 mg. a kg feed.
- 3) pH regulation system.
- 4) Sludge pump system.
- 5) Oxygenating injection and control system.
- 6) Fish grading system, in and out for the system.
- 7) Feeding system.
- 8) Emergency oxygen system

Description

The technology has undergone successful testing over the past five years. The initial batch was implemented in a large post-smolt system in Norway, which, for the past two years, has been producing, harvesting, and selling fresh Atlantic salmon.

The system operates with a salinity level of 25-35‰ and achieves a 98% water recycling rate.

Biofiltration is fully integrated with the SCADA system for automated control, with backwashing scheduled every four weeks.

Parameter	Grow-out
Batch/year	4
Temperature (°C)	12-14
Salinity (‰)	15-35
Number of tanks (pc.)	6
Fish tank diameter (ø, m)	16
Fish tank volume (m3)	1.100
Total fish tank volume (m3)	6.600
Biomass MAX (kg)	480.000
Initial Number fish (pc.)	122.000
Fish weight - start (g/pc.)	2.100
Fish weight - end (g/pc.)	4.000
Density MAX (kg/m3)	73
Biofilter capacity (kg/day)	7.200
Mortality (%)	1-2
Food print Tank area (m2)	2500
Food print RAS area (m2)	1500