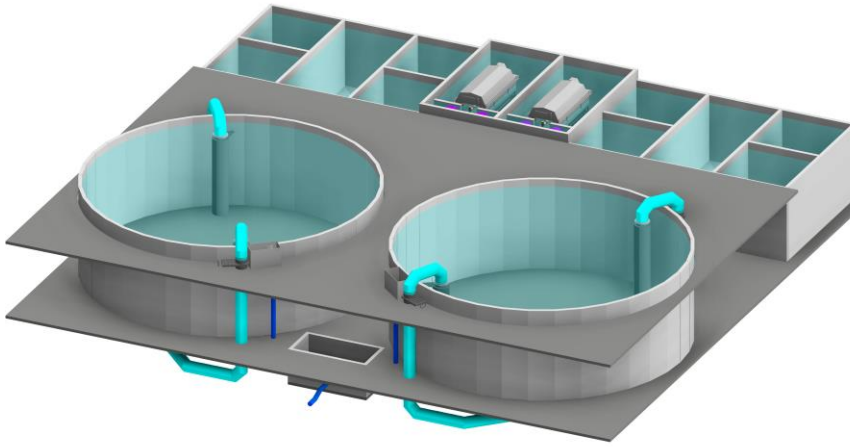
NAC – Postsmolt CONCEPT

Full RAS setup, optimal for postmolt rearing. Scalable and adjustable

Supports system follows:

- Cooling system.
- pH regulation system.
- Sludge pump system.
- Oxygenating injection and control system.
- Biological filtration.
- UV treatment.
- Feeding system.
- 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 preparing Atlantic salmon for grow-out.
The system operates with a salinity level of 12-32% and a range of 7-14 °C achieving a 98% water recycling rate.

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

Specifications case

Parameter	Postsmolt
Temperature (°C)	7-14
Salinity (‰)	12-32
Number of tanks (pc.)	1
Fish tank diameter (ø, m)	18
Water level (m)	6
Fish tank height (m)	6,5
Fish tank volume (m3)	1.500
Total fish tank volume (m3)	1500
Water flow per fish tank (m3/h)	3.750
Total water flow per fish tank (m3/h)	3.750
Water exchange in tanks (times/h)	2,5
Retention time in tanks (min.)	24
Biomass MAX (kg)	97.500
Fish weight - start (g/pc.)	80
Fish weight - end (g/pc.)	800
Density MAX (kg/m3)	65
Biofilter capacity (kg/day)	1.500
Daily water exchange (m3/day)	900
Feed Rate (theoretical, %)	1,6
Biofilter size (m)	5,0 x 5,0
Biofilter vol. total (m3)	220

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