



BioFish

2022 Half year Report - EuroNext

Expansion of post-smolt
production – www.BioFish.no



BioFish

2022

Land-based post-smolt production

Highlights – ready to scale up

Company Overview

Business Model

Financials

Market Outlook

- Land-based post-smolt production facility for annually capacity of 2,200-tons will be ready in first quarter 2023 – delay due to market conditions
- About 191m NOK invested per end of June including post-smolt
- +7 million smolt produced until date with high quality post-smolt
- Holds an aquaculture hatchery license for production of 5 million smolt and discharge license for 2,200 ton
- Established post-smolt producer, operating and producing smolt since 2016 with enhanced RAS – technology
 - PEOPLE + RAS technology = Quality POST-SMOLT
- EuroNext Growth Platform READY for next phase, GROWTH



First half year 2022

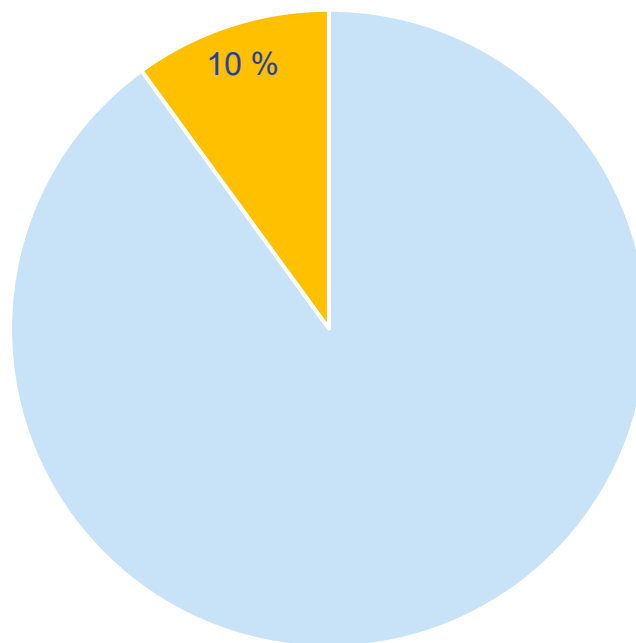
Company Overview

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CAPEX completion 90 percentage at reporting date (estimated)



Summary / Highlights

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- Proven business model
 - Successfully running and maturing biofilters in new facilities
 - First half 2022 effected by energy disturbance in market and delay in building
- Long-term expansion plan for a total of 10,000-ton annual production on existing sites – regulation going as planned
- Vision of 50.000 tons production through expansion of network, partnership and growth opportunities through ESG business model
- BioFish in discussions with partners & banks to explore future growth
- Long-term business plan with zero emission and none production tax on land-based aquaculture activities



Ending June 2022

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- 2022 Year of building RAS – production facilities
 - Results affected by building capex, delay in construction permit, increased costs and lead – time for machinery & equipment
 - Building biomass for future deliveries
- KEY Events second half 2022
 - Successfully delivered biggest batch post – smolt, delivery in September 2022 with average weight 550 gram
 - Additional deliveries in the fourth quarter
 - Increased energy prices affects liquidity planning



Income statement – 2022 first half-year

Company Overview	Income Statement BioFish Group				
	Note	30.06.2022	30.06.2021	31.12.2021	
Business Model			unaudited	Audited	
	Financials	Operating revenue	2	3 950 675	7 680 990
Operational expenses		3	15 196 143	5 035 748	23 679 551
Salaries and personnel expenses			1 397 265	2 317 871	2 122 646
Depreciations			1 200 000	211 245	400 000
Operating expenses			17 793 408	7 564 864	26 202 197
	Operating profit/ loss		-13 842 733	116 126	-7 872 601
	Net finance		-207 388	190 237	-37 514
Market Outlook	Ordinary result before tax		-14 050 121	306 363	-7 910 116
	Tax expenses	5	0	0	2 123 011
	Net profit		-14 050 121	306 363	-5 787 105



Assets – first half year 2022

Company Overview	Balance	Note	30.06.2022	31.12.2022
Business Model	BioFish Group		unaudited	audited
Financials	Assets			
	Non-current assets			
	Intangible assets			
	Fish licenses etc.		-	-
	Property, plant and equipment	6	173 175 360	148 749 891
	Non-current assets		173 175 360	148 749 891
	Current assets			
	Inventory and biological assets		17 855 587	15 182 177
	Short-term receivables		4 789 949	8 523 179
	Current assets		22 645 536	23 705 356
Market Outlook	Cash and cash equivalents	4	12 656 468	49 558 927
	Total current assets		35 302 004	73 264 283
	Total assets		208 477 364	222 014 174



Equity and liabilities – first half year 2022

Company Overview	Balance	Note	30.06.2022	31.12.2021
Business Model	BioFish Group			
Financials	Equity and debt			
Market Outlook	Share capital and paid in capital	1	151 340 000	151 340 000
	Retained earnings		-7 028 357	7 024 764
	Total equity		144 311 643	158 364 764
	Debt			
	Deferred tax		1 587 789	1 587 789
	Bank loan		57 000 000	59 000 000
	Other non - current debt		0	0
	Total non-current debt		58 587 789	60 587 789
	Current debt			
	Accounts payable		8 545 221	1 221 776
	Annen kortsiktig gjeld		-2 967 286	1 839 848
	Current debt		5 577 935	3 061 624
	Total debt		64 165 724	63 649 413
	Total equity and debt		208 477 364	222 014 174



Cash flow – first half year 2022

Company Overview	Cash flow		Unaudited	Audited
	BioFish Group	Note	30.06.2022	31.12.2021
Business Model	Net result for the period	-	14 050 121	- 7 910 116
	Depreciations		1 200 000	400 000
	Change in working capital		1 059 820	- 82 754
	Change in other current items		113 311	- 64 791 888
	Net cash flow from operating activities	-	11 676 990	- 72 384 758
Financials	Investment in fish production facility	-	23 225 469	- 28 433 701
	Net cash flow from investment activities	-	23 225 469	- 28 433 701
	Net finance	-	2 000 000	149 900 000
	Net cash flow from finance activities	-	2 000 000	149 900 000
	Net change in cash	-	36 902 459	49 081 541
Market Outlook	Cash and cash equivalent in the start of the period		49 558 927	477 389
	Cash and cash equivalent at the end of the period		12 656 468	49 558 927
	* The company was listed in EuroNext Growth in August 2021			



Equity – first half year 2022

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Equity reconciliation BioFish Group	Note	Unaudited 30.06.2022	Audited 31.12.2021
Equity at the start of the period		158 364 764	20 966 325
Net profit (loss)	-	14 050 121	- 5 787 105
Equity contribution		-	143 185 544
Equity at the end of period		144 311 643	158 364 764

* The company was listed in EuroNext Growth in August 2021 and shares of 150.500.000 were issued



Summary / Highlights – first half 2022

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- Notes to first half 2022
 - The first half report have been prepared in accordance with Norwegian General Accepted Accounting Principles for small-medium-businesses. For more details, see Prospectus & Annual Financial statement 2021
 - The first half report is set up based on the new implemented NRS 11. This is the first-time adoption for the company.
 - Increased marked risk through escalated conflict in Europe
 - Increased production risk through building CAPEX and growing bio-mas
 - Increased liquidity risk through higher CAPEX and building working capital



Summary / Highlights – first half 2022

Company Overview	
Business Model	
Financials	<ul style="list-style-type: none">▪ Profit and loss – notes 2,3 & 5<ul style="list-style-type: none">▪ Operating revenue is delivery of Post - Smolt to customers where operational expenses varies with timing of delivery▪ The unforeseen biological factors are always present. Company has mitigated this risk by building 9 different RAS - sections▪ Balance sheet – notes 1, 4 & 6<ul style="list-style-type: none">▪ CAPEX consist building a complete land-based fish farm with enhanced RAS technology▪ Listed on EuroNext Growth Oslo August 2021 BioFish improved cash level with successfully IPO compared to previous period
Market Outlook	



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- Currently the Norwegian production of smolt is about 400 million units, of which about 25 percent is produced by independent smolt producers
- The salmon farmers are continuously increasing use of larger smolt (post-smolt), but currently making up only about 16 percent of the market
 - Most existing facilities are not capable of producing large smolt due to technology and lack of waste control/ management and high consumption of both water and electricity
- Use of larger smolt has the benefit of shorter production cycles in sea, reducing cost and allowing higher utilization of licenses (Maximal Allowed Biomass)
- The new proposed resource tax (“Grunnrenteskatt”) is not affecting land-based producers as BioFish





Company Overview



Background and Track Record

2016

- BioFish acquired an on-land fish farming facility in Ljones from Green Salars bankruptcy estate
- Since the acquisition BioFish transformed the facility to a profitable recirculating aquaculture system (RAS)

2017

- NOK 12m invested to restore the old facility with new RAS technology
- Signed land lease contract until 2054 with an option of extension to 2064
- Granted rights to produce up to 150 tons p.a.

Produced volume: 100 tons

2018

- BioFish raised NOK 50m in bond financing and NOK 10m of paid-in equity from shareholders
- Signed a five-year delivery contract with Engesund Fiskeoppdrett AS for up to 600,000 smolt p.a. until 2023

Produced volume: 100 tons

2019

- Finalized a new 2,000m² production facility and the installation process of four new modern grow-out tanks reached its final stage
- Total of NOK 130m invested in the facility after the acquisition in 2016

Produced volume: 150 tons

2020

- Granted a waste license for up to 2,200-tons pro annum.

Production: 150 tons

2021

- New production license achieved from 1.5m to 5m smolt
- **First listed land-based post-smolt production facility with +6 million produced smolt**
- **Finalize the 2,200-tons production facility in 2022**
- **Longer lead time on equipment, increased prices, complex building process**
- Ambition to produce up to 50.000 ton within 2030 with additional network and potential ideal location – sites

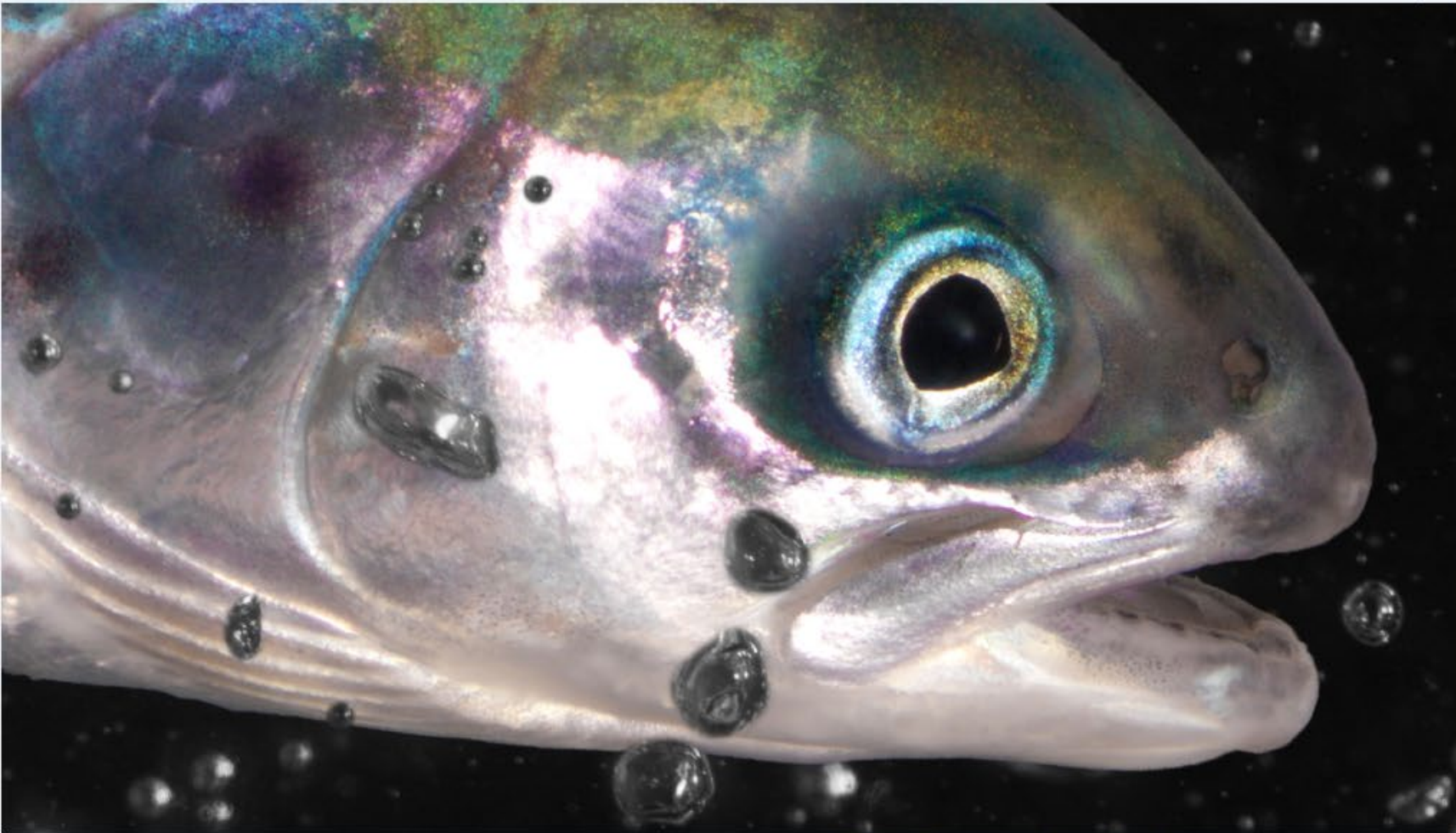
Production: Building capacity for 2.200 tons

2022



Proven Smolt Farming Technology

Ideally Located Along the Hardangerfjord

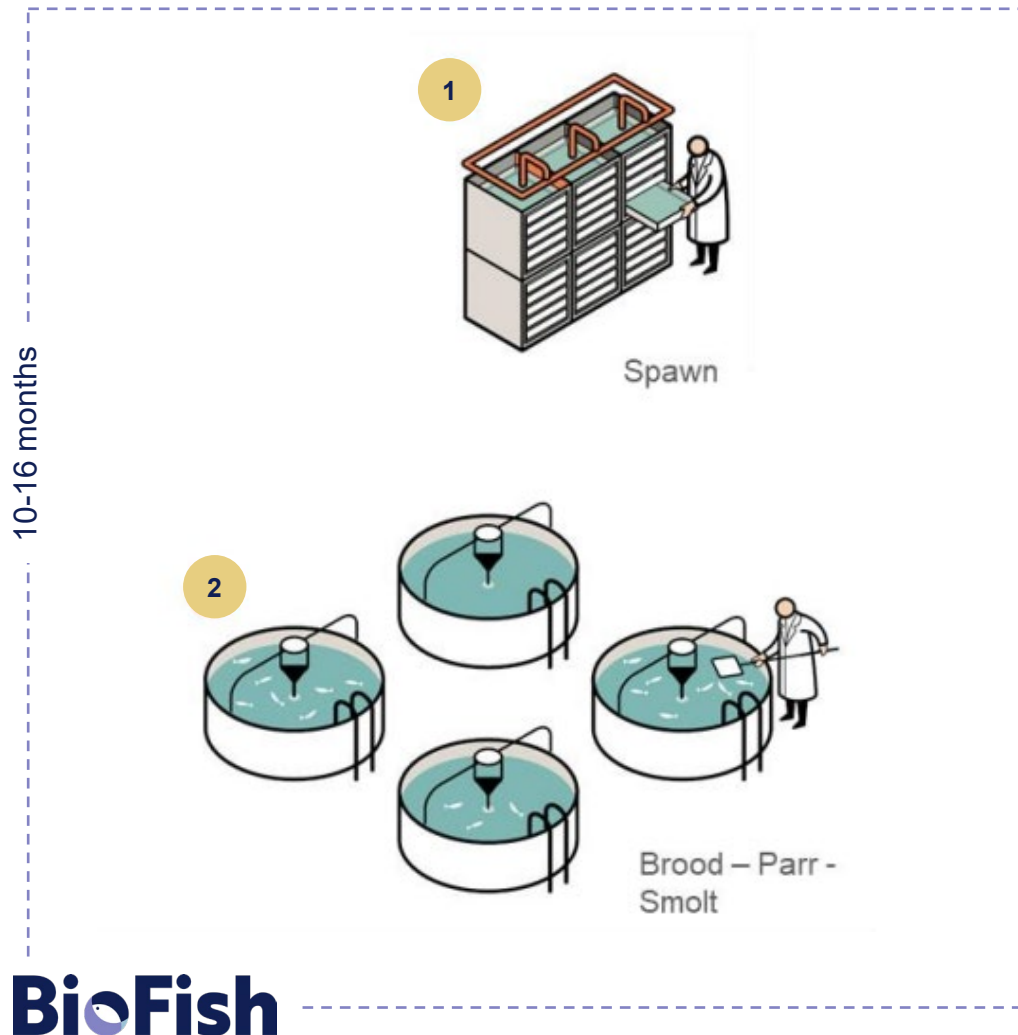


The use of larger smolt (500g) can significantly increase production at sea

TECHNOLOGY



Value Chain Salmon Farming



Production of Smolt/ Post-smolt

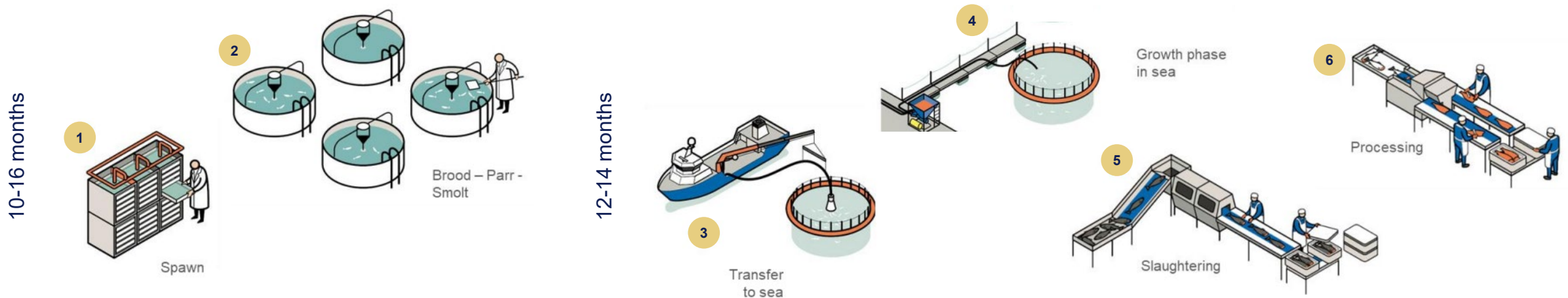
- A smolt is produced over a period of 6-12 months from fertilization of an egg to a mature smolt weighing 100-250 grams
- Post-smolt production (250-1,000 grams) has become more common in recent years, accounting for 9.1% of the smolt release in 2019 in terms of individuals
 - The idea behind larger smolt is to shorten the time at sea, thus reducing exposure to sea lice, disease and better growth to harvesting-size for the salmon
- The total post smolt production cycle takes approximately 10-16 months



Value Chain Salmon Farming

Production Cycle

- In autumn, broodstock are stripped for eggs, and ova inlay takes place between September and March
- The producer can speed up the growth of the juveniles with light manipulation which accelerates the smoltification process by up to 6 months
- Spring and autumn are the two main periods to release smolt in Norway. However, there are smolt being released in all twelve months of the year
- Increased land-based production will keep demand up every day since steering production environment for optimal fish welfare and daily-growth
- Harvesting is spread evenly across the year, although most harvesting takes place in the last half of the year with current production regime
- The seawater production cycle lasts around 12-24 months, giving a total cycle length of on average about 3 years



Within reasonable distance to 30-40% of the salmon production in Norway



The facility in Ljones has an ideal location close to a larger number of salmon farmers

- The facility is located at the west-coast of Norway. This is the area in the country with the highest farming density and limited possibilities to increase number of licenses.
- Due to the high farming density and warm water, this is one of the areas in Norway where the sea lice issues are the highest, hence importance of using more robust smolt is also the highest.



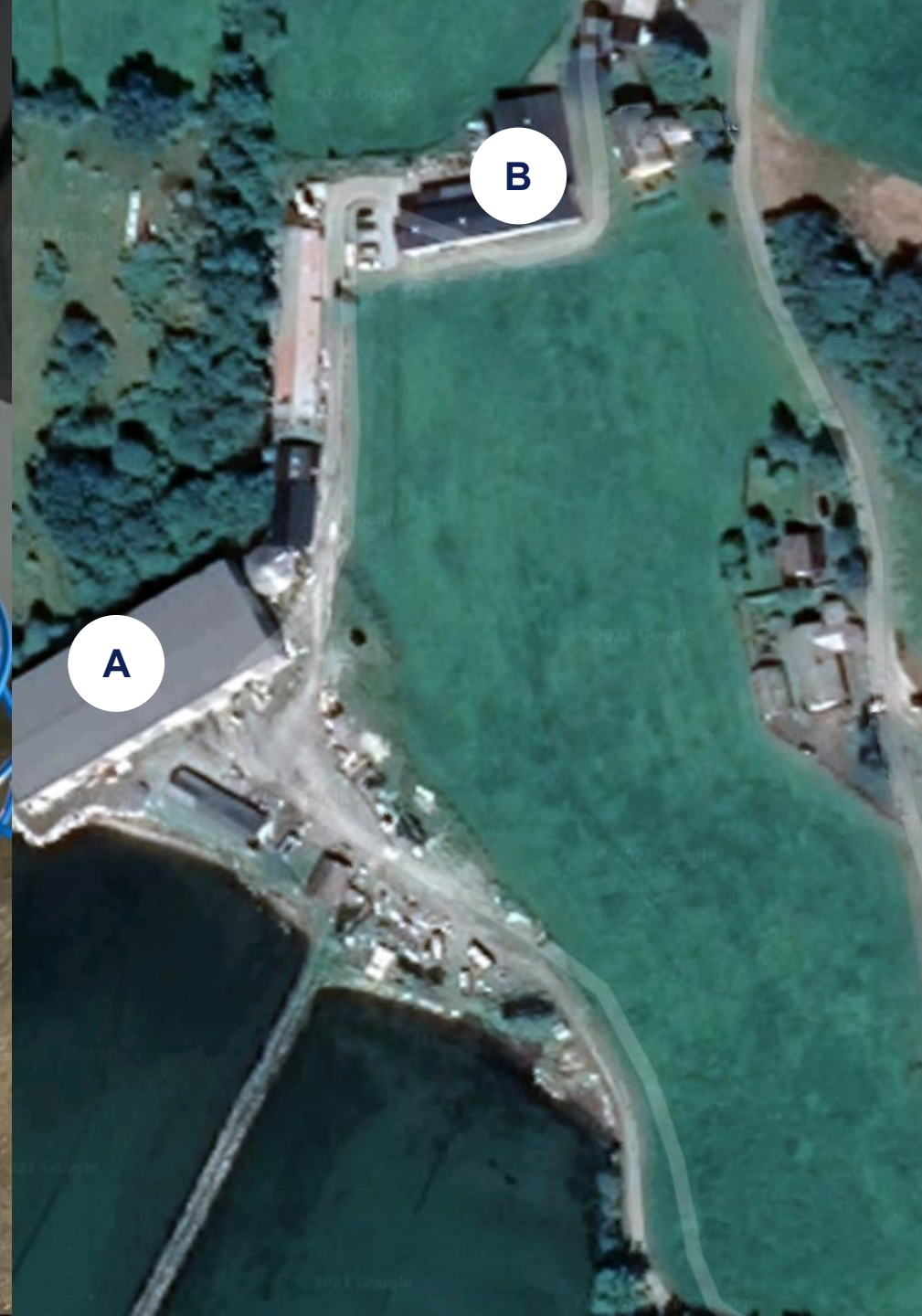
Investments and Growth Plans

A

Existing 2,000 m² RAS facility

B

Existing hatchery and office space



Investment and Growth Plans

- 0** Completed growth-out tanks including all water filtering, pumps and technical room for complete facility
- 1** Use of proceeds: Grow-out tanks completed
- 2** Use of proceeds: New RAS facility replacing current flow-through tanks, under construction
- X** Future opportunity for expansion for facility to up to 10,000-ton p.a.
- ?** Future opportunities, increase production by offer RAS – technology with corporating networks and strategic partners?



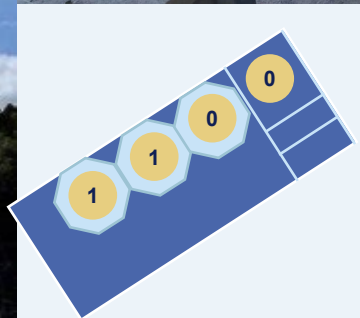
Building complete Land-based fish farm

individual RAS departments
to avoid RISKS

- Lower CAPEX on technology
by BioFish

Decreased energy cost

Investments to increase
production capacity and
improving waste
management.





BioFish

Thank you!

Expansion of post-smolt
production



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