



The Iconic Snow Cod

Sustainably Farmed in Pristine Norwegian Fjords





1	Introduction to Ode
2	Value chain and operational strategy
3	Harvesting and Processing
4	Sustainability at the core

6 Industry outlook

Products







Be the most trusted supplier of fresh and sustainable cod products



Contribute to vibrant local communities everywhere we operate



Be part of the solution to create a more sustainable global food matrix by 2050

Business is deeply rooted in United Nations SDGs















Leading the Cod Revolution

Unrivalled platform



Largest codfarmer globally with over **150** highly skilled employees



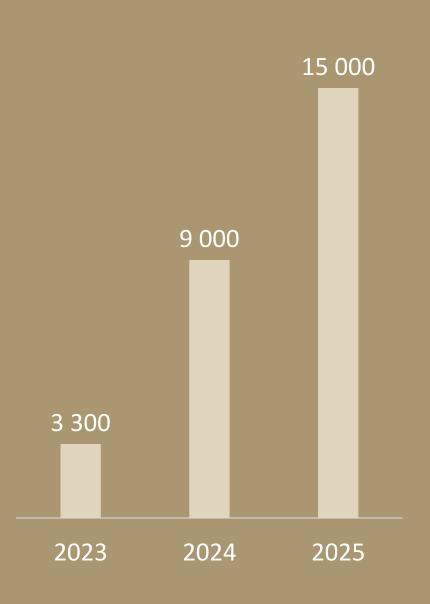
Fully integrated value chain – from roe to finished product, enabling full control and traceability of product



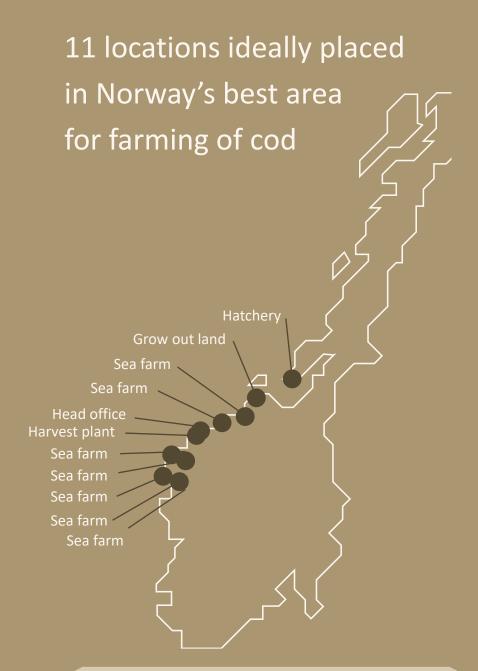
Unique in providing stable, year-round supply of fresh cod of sashimi-grade quality

Solid volumes

Harvest volume (tons)



Optimal conditions



Long term perspective



Founded in 2019 with a vision to revolutionize the whitefish category.



Owned and operated by the founders in close collaboration with Belgian De Clercq family



Harvesting plant

Dedicated Cod harvesting and

fileting plant located in the

Annual capacity of 25 000 tons

middle of our production area

Innovative approach to aquaculture combined with strong capital base and heritage of building sustainable businesses provides ideal platform for long term growth

Hatchery



- Total annual production capacity of <u>15</u>
 million fry pr year
- Invested more than **EUR 15m**
- Current annual production of ~9.7m fry based on 3 cycles pr year
- 15 employees

Grow out land



- Total production capacity of
 <u>15 million juveniles</u> per year
- Tank capacity <u>10 200 m3</u>

Use recycled hot-water

• 12 employees

Sea farms (7)



- Largest codfarmer with total production capacity of ~30 000 tons pr year
- <u>7</u> high quality sites with total of 65 pens →
- 50 employees

- Svartekari 3 120 tons¹
- Alida 3 600 tons¹
- Vorpeneset 3 600 tons¹
- Aukan 3 600 tons¹
- Dysjaneset 3 600 tons¹

• Rekvika – 3 600 tons¹

• Støylen – 3 500 tons¹

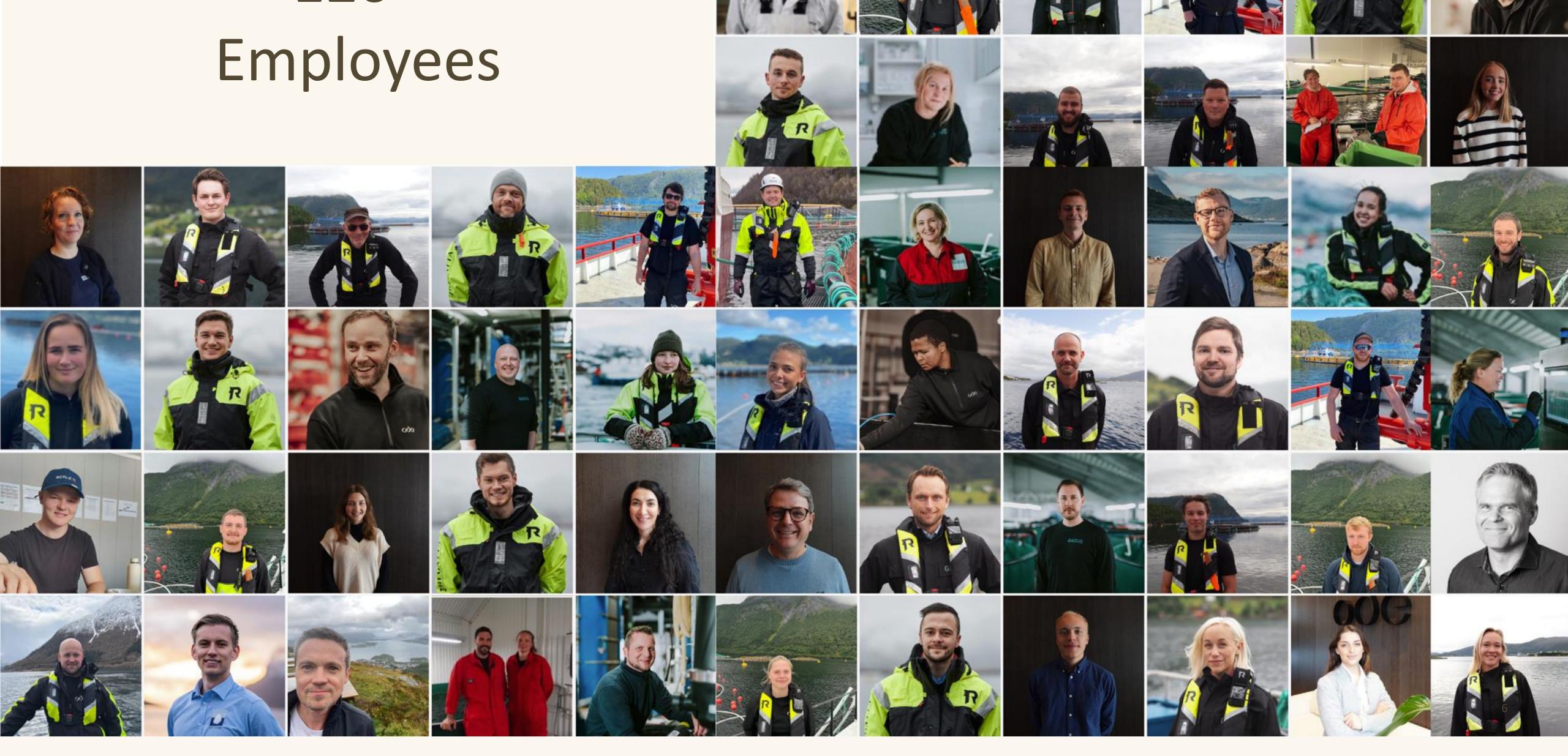
• EUR 10m investment 2024

Head office



- HQ located in Ålesund with new and modern facilities (600 m3)
- Operations central to optimize and control feeding of sea sites
- 20 employees

120+



ode Management team with all critical functions inhouse



CEO & Founder
Ola Kvalheim

Finance, Economics & Law IE and LSE Goldman Sachs, FSN, Fondsfinans and Mørenot Aquaculture



Business Development & Founder
Tor Olav Seim

Master of Science, Industrial Economy NTNU BCG, FSN, Mørenot, Bygghemma Group



Head of Juveniles
Thor Arne Hangstad

Marine Biologist, Lumarine, Akvaplan Niva, Troms Marine Juveniles



Head of Farming
Vidar Vartdal

Master in Farming operations Nord University, 30y experience from Mowi as Production Manager



Head of Feed and Fish Performance
Leiv Tvenning

Master in Biology and Nutrition, 30y experience from Skretting and Mowi



Head of Quality and HSE
Nicole Salbuvik

10y experience from seafood industry within quality and HSE
Salmar and Hofseth



Head of Fish Health
Cecilie Nystøyl

Fish health biologist
Norwegian Food Safety Authority,
Ministry of fisheries



CFO Kenneth Schaug Pettersen

Master in Finance NHH
EY and Stokke



Head of HR
Lene Flem Debess

Master in Finance and Executive MBA in Strategic Mgmt Rolls-Royce, Sparebanken Møre, Ekornes, Optimar



Head of Public Affairs
Falk Daniel Øveraas

Master in Maritime mgmt
County politics for Conservative
party Geelmuyden Kiese, Pharma
Marine

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Company timeline



2019

Company founded

Based on comprehensive market study and analysis



2020 - Dec

Sea licenses

Built strong
pipeline of license
applications – basis
for future growth



2021 April

Grow-out

Signed long term lease for grow-out site at Tjeldbergodden



2022 September

Farming ops.

Farming organisation established with 3 sites in operation and central team



2022 - December

Sales team

Established own sales team to handle commercial ops.



2023 - 2024

Downstream dvmt.

Continuous harvesting, with global sales presence – shifting volume to longer term contracts/partnerships



2020 - August

Core team

Established experienced team with strong track record within seafood



2021 - January

Hatchery

Acquired Stadsbygd from Mowi and converted facility into a cod hatchery



2021 - June

First sea site

First sea site built and in operation at Svartekari



2022 - November

First harvest

Started harvesting of first fish batch – very strong biological performance



2023 - February

Gadus → Ode

Changed company profile and name to Ode



2024 - February

Harvesting plant

Acquired own dedicated harvesting and processing plant at Vartdal

8



Production cycle of 3 years

Cod is nurtured and raised in its natural environment



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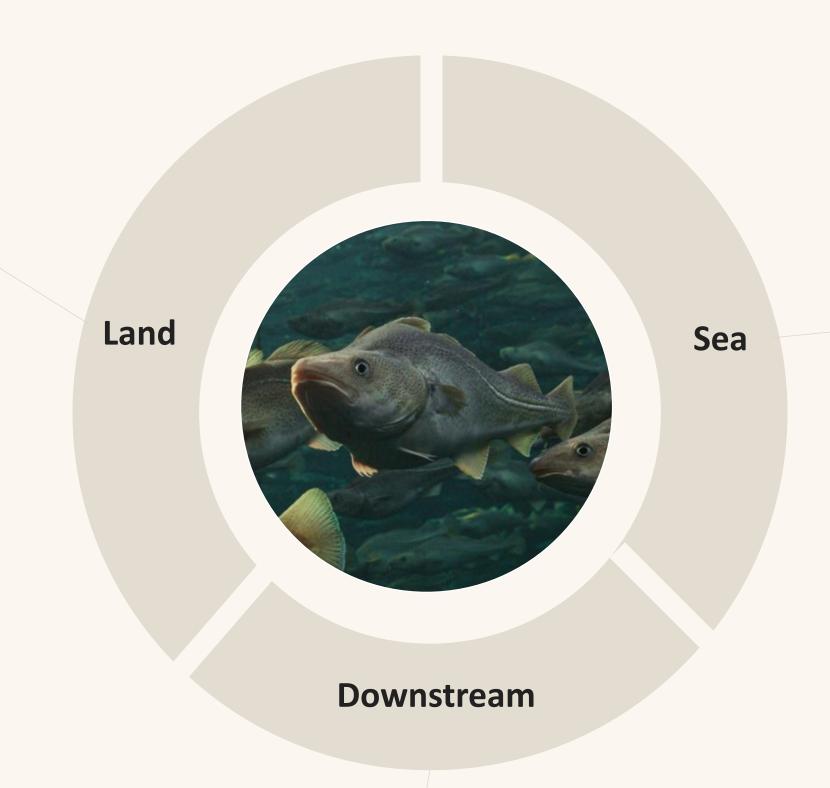


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Ode Uniqe operational strategy – "the cod at the center"

- Strict sorting only stock the best fish in sea
- PCR testing and vaccination
- Larger and more robust juveniles (water temp. control)



- Dedicated Farmed cod harvesting plant
- Integrated fileting capacity at harvesting site enable Pre-rigor quality

- Deeper and smaller pens natural habitat and better control
- Correct light regime to control maturation
- Invested heavily in the equipment that impacting biology
- Tailormade feed in cooperation with
 Skretting to drive fish performance
- Proprietary screening model to select sea sites with optimal conditions
- Less stocking density limit fish handling
- Grid connection on all sites –
 renewable production (less stress)



Fully integrated value chain

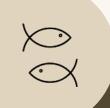
Ensures control, complete traceability, full focus and premium quality in all steps of the production process. Only producer able to guarantee delivery to all our partners and clients 365 days per year



Hatchery

- 15 million fry /year
- 3-4 annual cycles
- Invested **EUR 15m**
- 15 employees





Grow out

- <u>15 m</u> juveniles/year
- Avg size when stocked: 150-250g
- Capacity 10 200 m3 of Recycled hot-water
- 12 employees





Farming Sea

- Largest codfarmer
- Production capacity of
 ~25 000 tons pr year
- 6 high quality sites with total of 64 pens
- 50 employees





Harvesting

- Dedicated Cod
 harvesting and fileting
 plant located in the
 middle of our
 production area
- Annual capacity of 25 000 tons



Sales & Logistics

- Own Sales and Logistics team inhouse of 8 employees
- Full range of whole fish and filet/loin products
- Partners in selected markets (e.g. US)











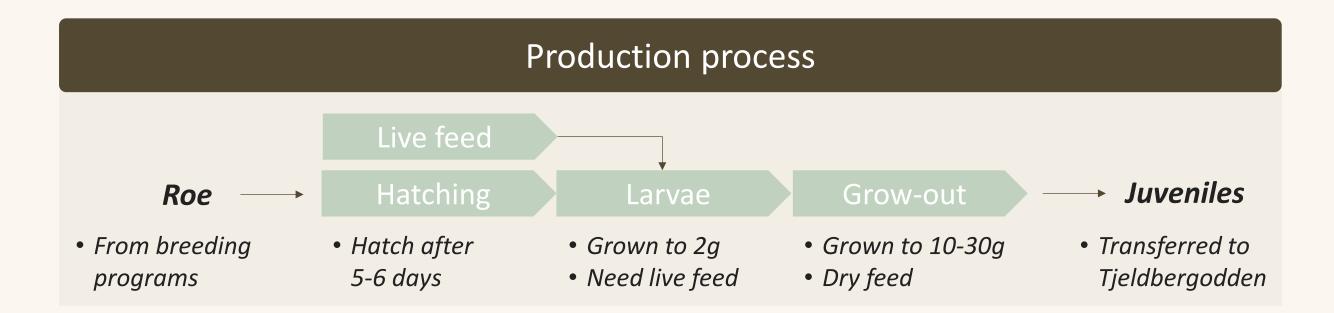




ode Hatchery

Description

- Top modern Hatchery for cod located at Stadsbygd outside Trondheim
- Invested a total of EUR 15m in site, machinery and equipment
- Total number of employees: 15
- Total size of production buildings: 3.131sqm

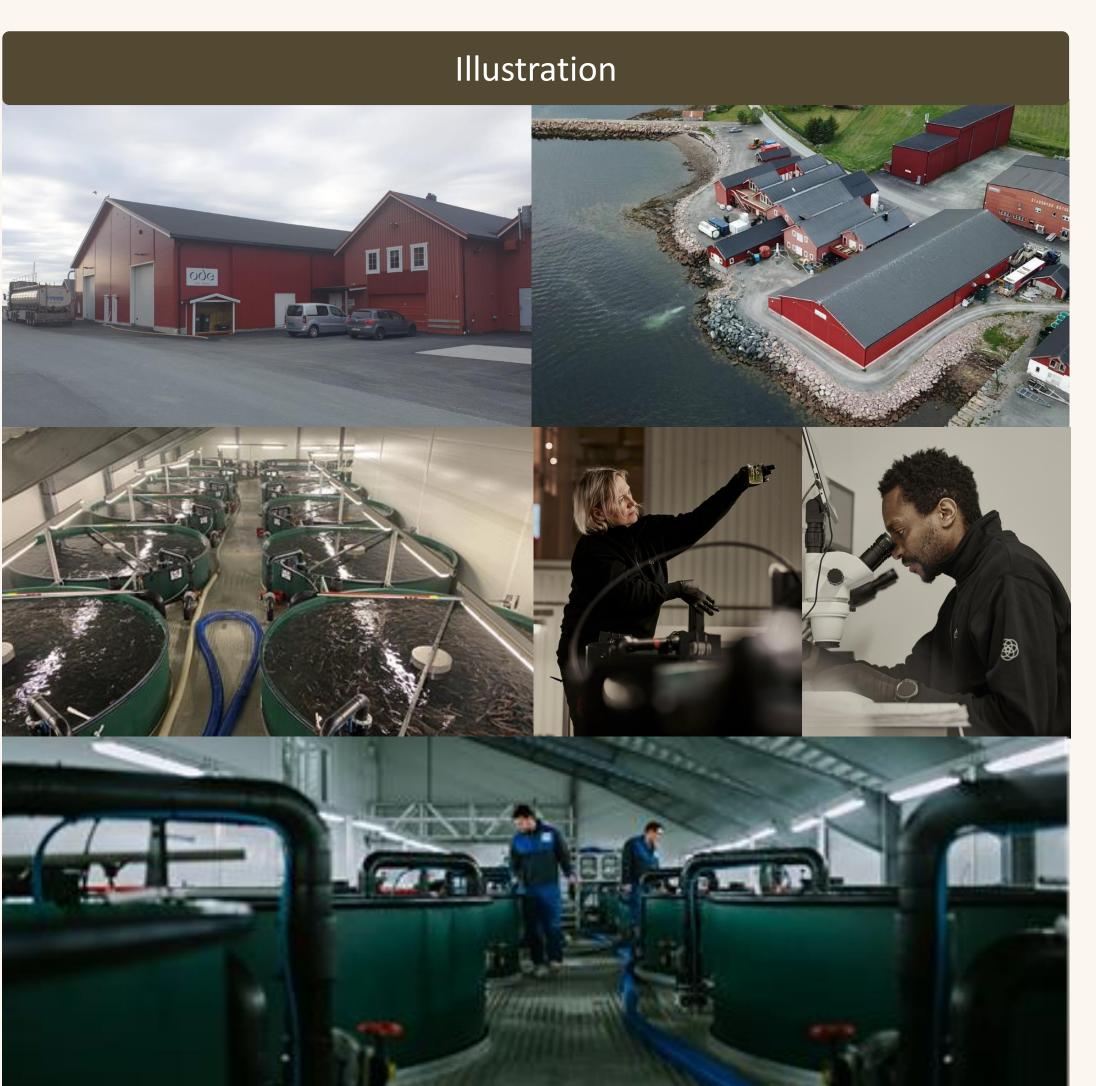


Capacity

- Total production capacity of around 15 million fry pr year
- Set up to handle 5 production cycles per year, enabling ideal production through the value chain
- In the process of also becoming a Broodstock facility –
 enabling own production of roe

Location

















ode Land Grow-out

Description

- Modern Grow-out facility located in Møre & Romsdal
- Ode with a long term lease agreement securing operational control
- Low risk sea water flow through technology (ideal for fish welfare)
- Heated using recycled hot water (environmentally friendly solution)
- Total number of employees: 12

Production process

Juveniles

Grow-out

→ Sea ready Juveniles

- From Stadsbygd
- Grown to ~150-300g in outdoor tanks
- (can also do first step of grow out in-indoor tanks)

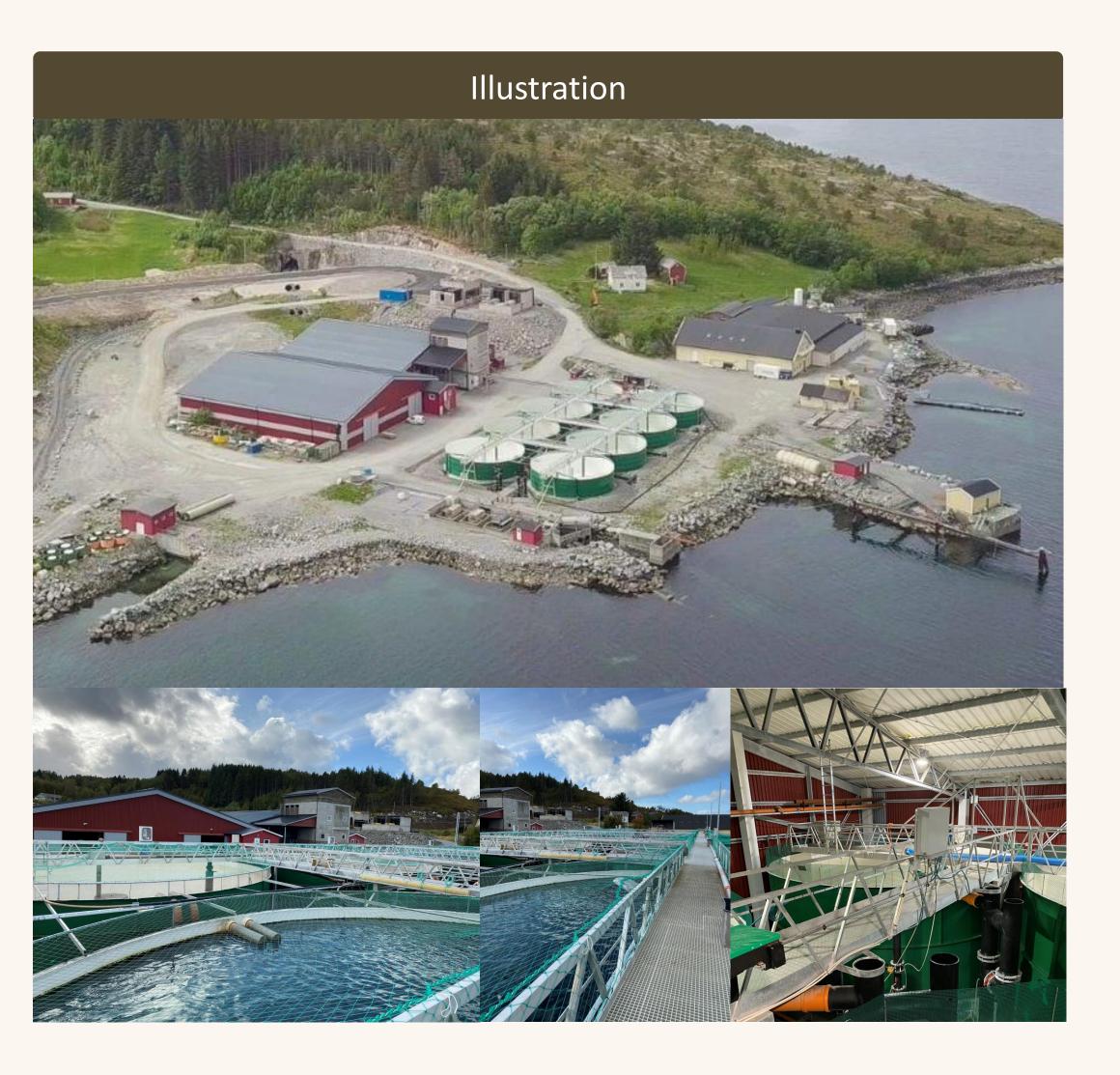
• Transferred to sea sites

Capacity

- Total production capacity of around 15 million sea ready juveniles pr year
- Tank volume of 10 000 m3
- Water treatment and capacity of 10 000m3/h

Location













ode Sea Farming

Location Aukan Vorpeneset Alida Støylen Dysjaneset Svartekari

Description

- Semi exposed Fjord site at Nordmøre
- Operational from June 2023
- Fjord site in Romsdal
- Operational from October 2022
- Fjord site in Volda
- Operational from April 2022
- Fjord site in Volda
- Not operational planned in 2024
- Semi exposed site in Sande
- Not operational planned in 2024
- Fjord site in Nordfjorden
- Operational from June 2020

Capacity

- 3 600 tons MAB
- 10 pens
- 3 600 tons MAB
- 10 pens
- 3 600 tons MAB
- 10 pens
- 3 500 tons MAB
- 12 pens
- 3 600 tons MAB
- 18 pens
- 3 120 tons MAB
- 5 pens

Illustration

Operating control center in Ålesund

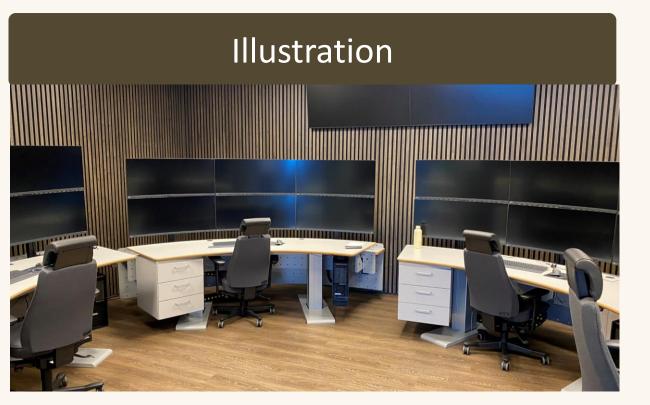
- Operational control center at HQ in Ålesund with live connection to all sea sites in Ode
- Handle monitoring of biomass and feeding of all fish in sea sites
- Provide an important link between central team and day-to-day operations at sites

Feeding

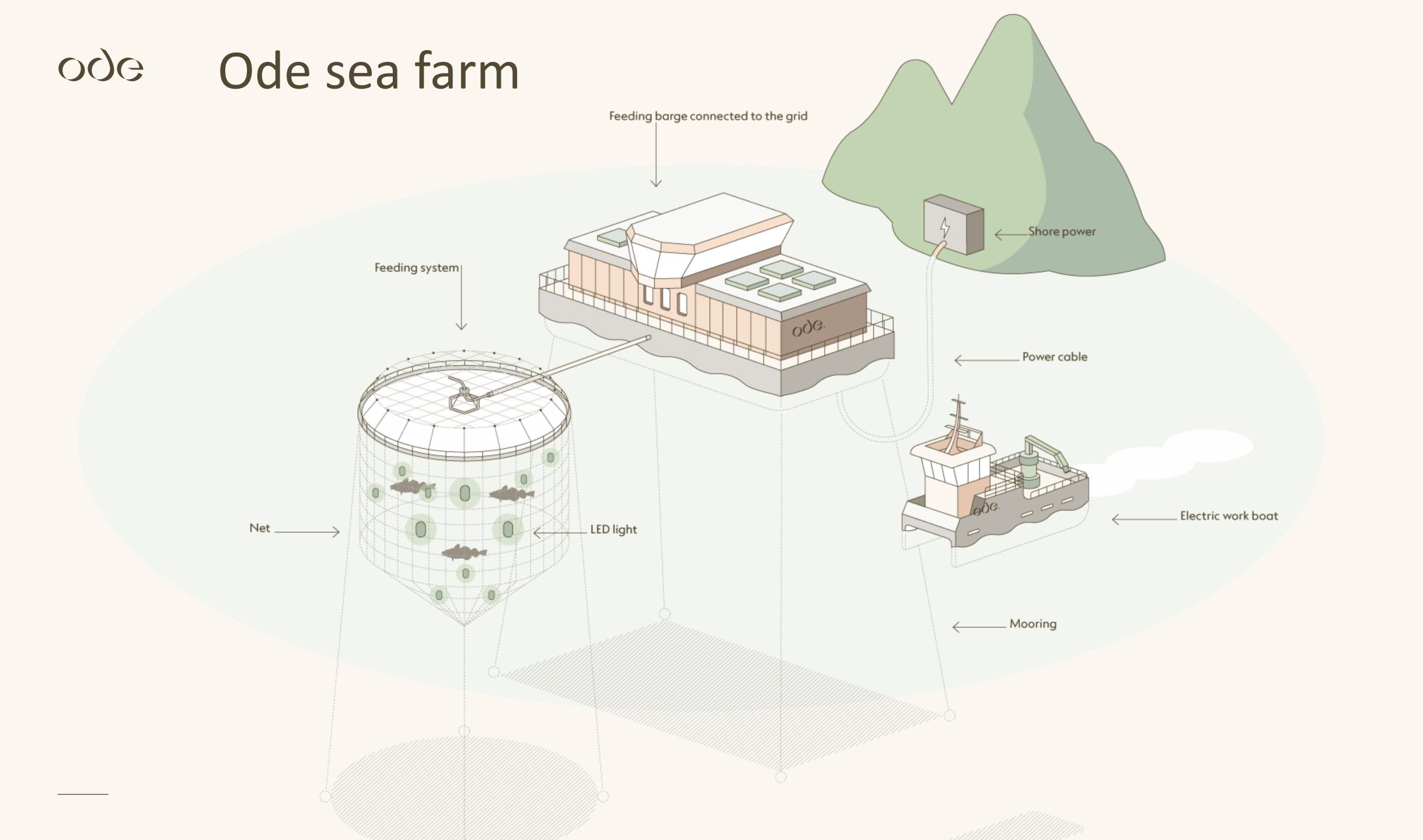
- Central team to ensure dedicated focus on feeding – one of the most critical operations in codfarming
- Develop best practice and feed strategies
- Monitor fish health and biological development of fish groups

Capacity

- 4 control stations
- Can feed up to 15-20 pens pr work station
- Total of 6-8 farms
- (option to expand)

















ode Harvesting

Description

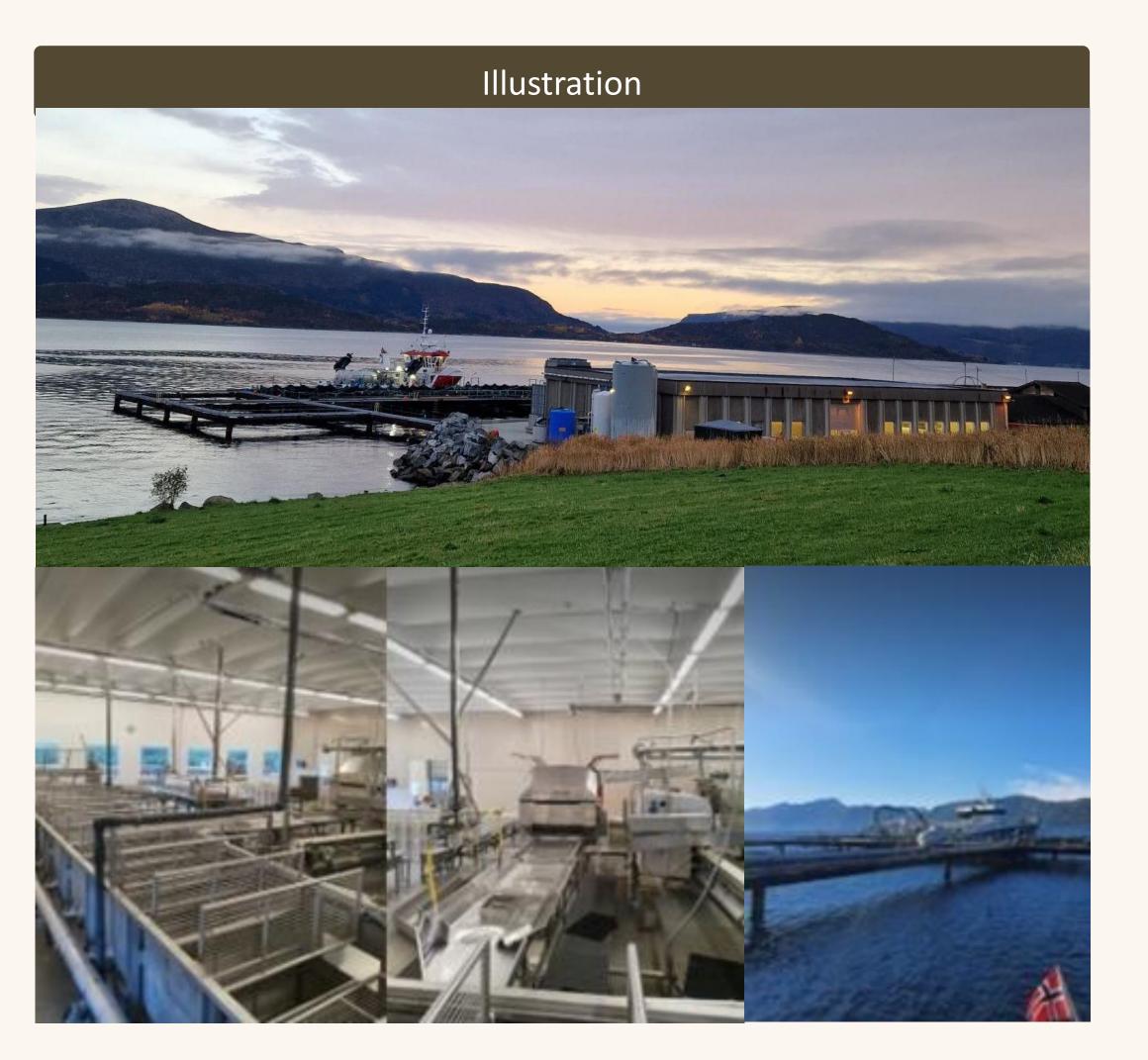
- Dedicated harvesting plant specialised for Farmed Cod
- Ideally located in the middle of our production area and close to our HQ in Ålesund
- Waiting cage planned for Q3 2024

Production process Fish in Grading and Stun and bleed Gutting Fish — Boxes Gutted and Stunned and Further cooling • Packing in • From sea Transport by bled out in and grading of sorting out bystyro. boxes site by truck cooling tanks size and quality and labelled products wellboat

Capacity

- Total annual harvesting capacity of <u>25 000</u> tons
- In process of establishing own fileting line to process majority of harvested volume
- Flexibility in both HOG / H&G and By-Products











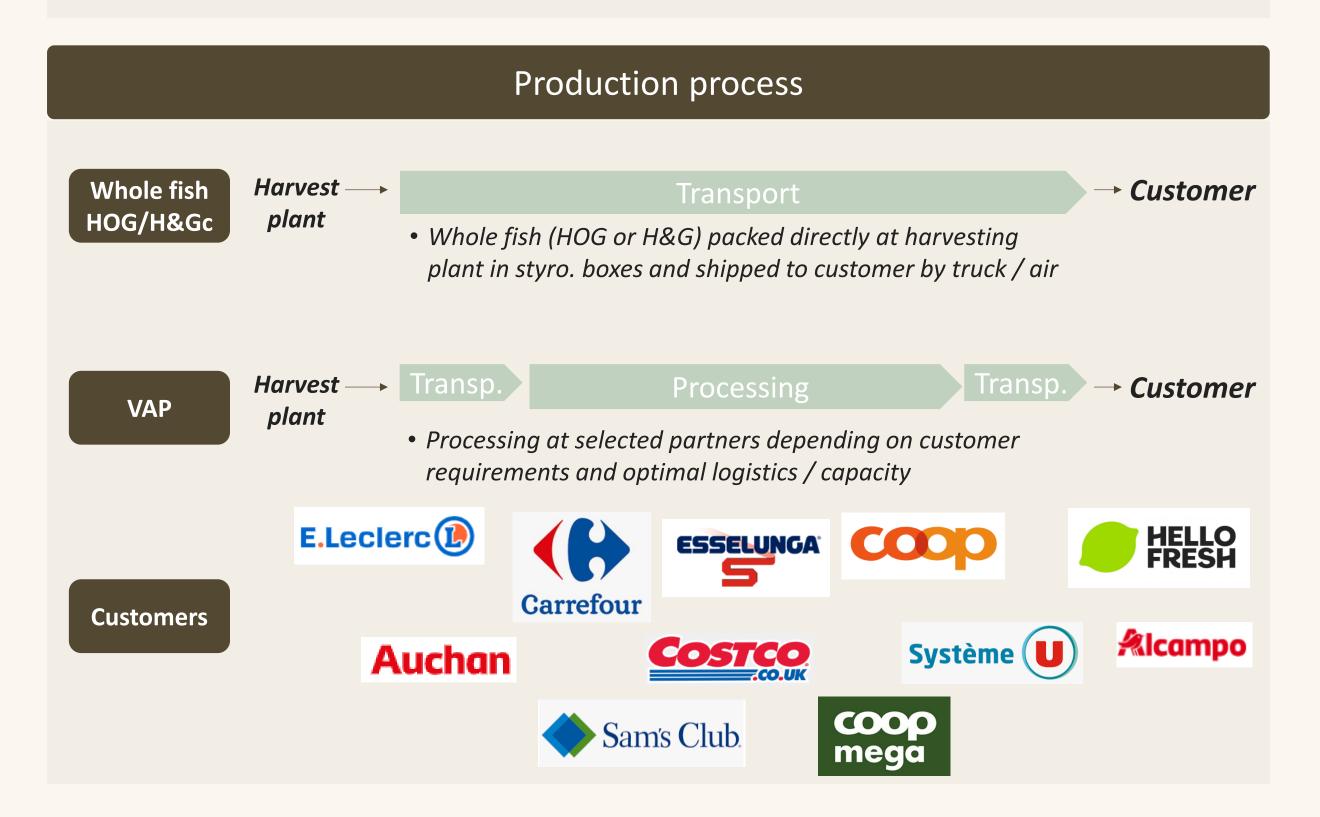


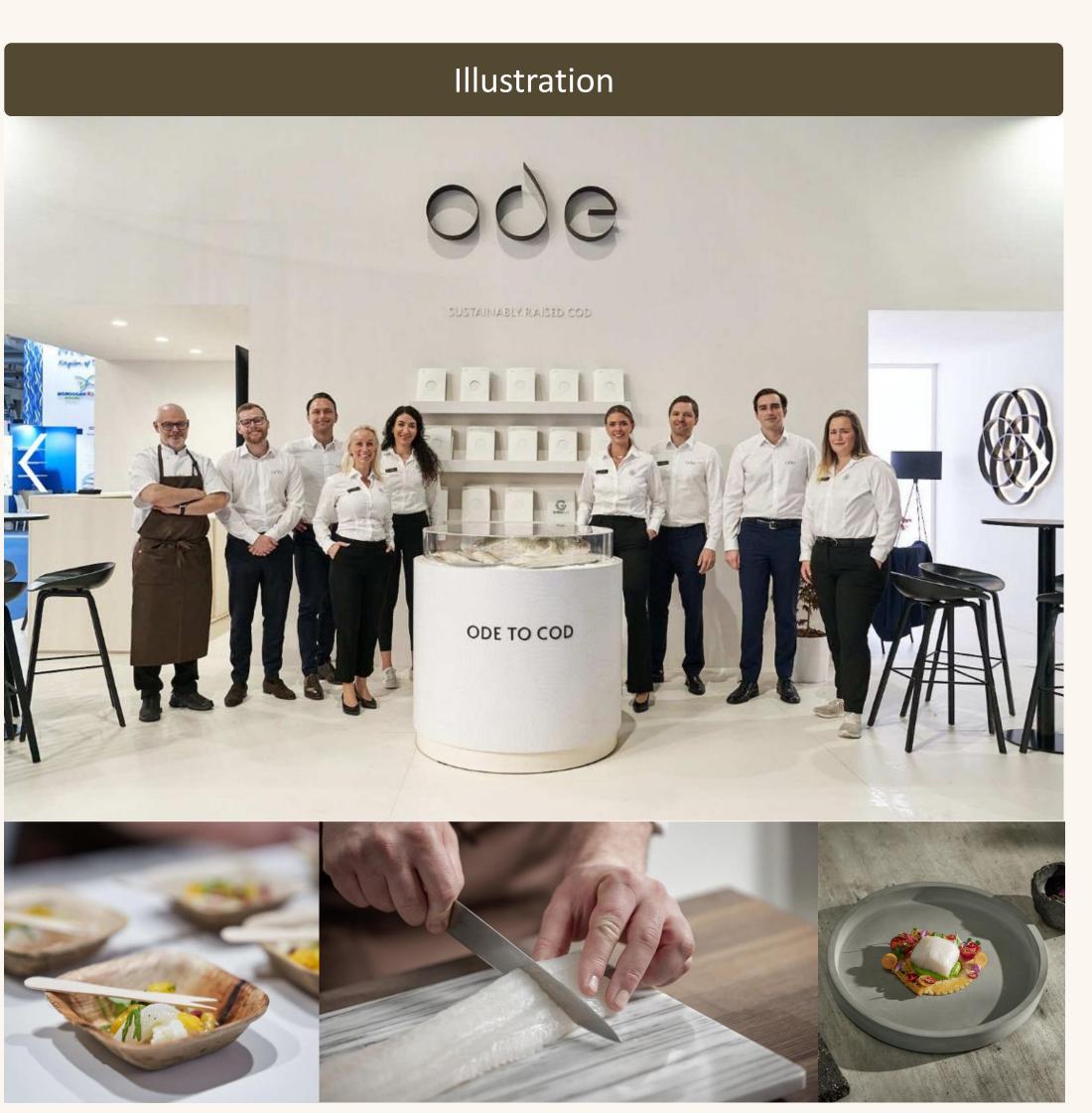


ode Sales & Logistics

Description

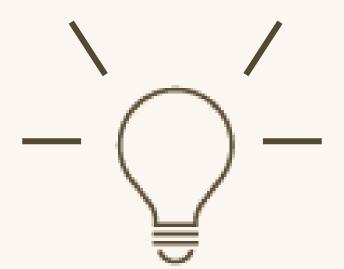
- Inhouse Sales and Logistics team of 11 employees direct access
- Able to deliver full range of whole fish and filet/loin products
- Partner for processing in Norway and Netherlands to ensure capacity and flexibility to deliver fresh filet products close to the market
- Use partners in selected geographies (e.g. Hofseth International in the US)







Ode have developed a unique light regime to control the maturation process



Background:

- Maturation and «Spawning in pens» is an unwanted event for any codfarmer implying lost biomass, lost growth, reduced filet quality, and a weakened immune system that can reduce fish welfare and increase mortality.
- «Spawning in pens» also imply a risk of interfering with nearby wild cod populations during the natural spawning season If a farmer is not in control the Norwegian Fishery Directorate will mandate an emergency harvesting (as observed in 2023)

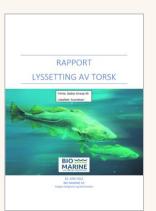
Solution

- Academic reasearch shows that light treatment can postpone the early sexual maturation process of farmed cod, by removing ~70% of the natural day light variation (maturation process in fish triggered by light and temperature to ensure reproduction)
- Ode have together with the Norwegian Marine Research Institute and an our close partner Biomarine (technology provider of light solutions) developed a unique and extensive light regime that enable the required LUX level in the entire seapen to replicate the conditions in the academic studies. The solution implies a total of avg 20kW lights used in each pen with continuous green light (correct light wavelength below water)
- The impact of the light regime was validated by an independent research agencey (Møreforsking) that published the findings from Ode light regime in an academic paper during 2023

The results show that Ode is able to control the maturation process and to avoid early maturation before the fish is harvested



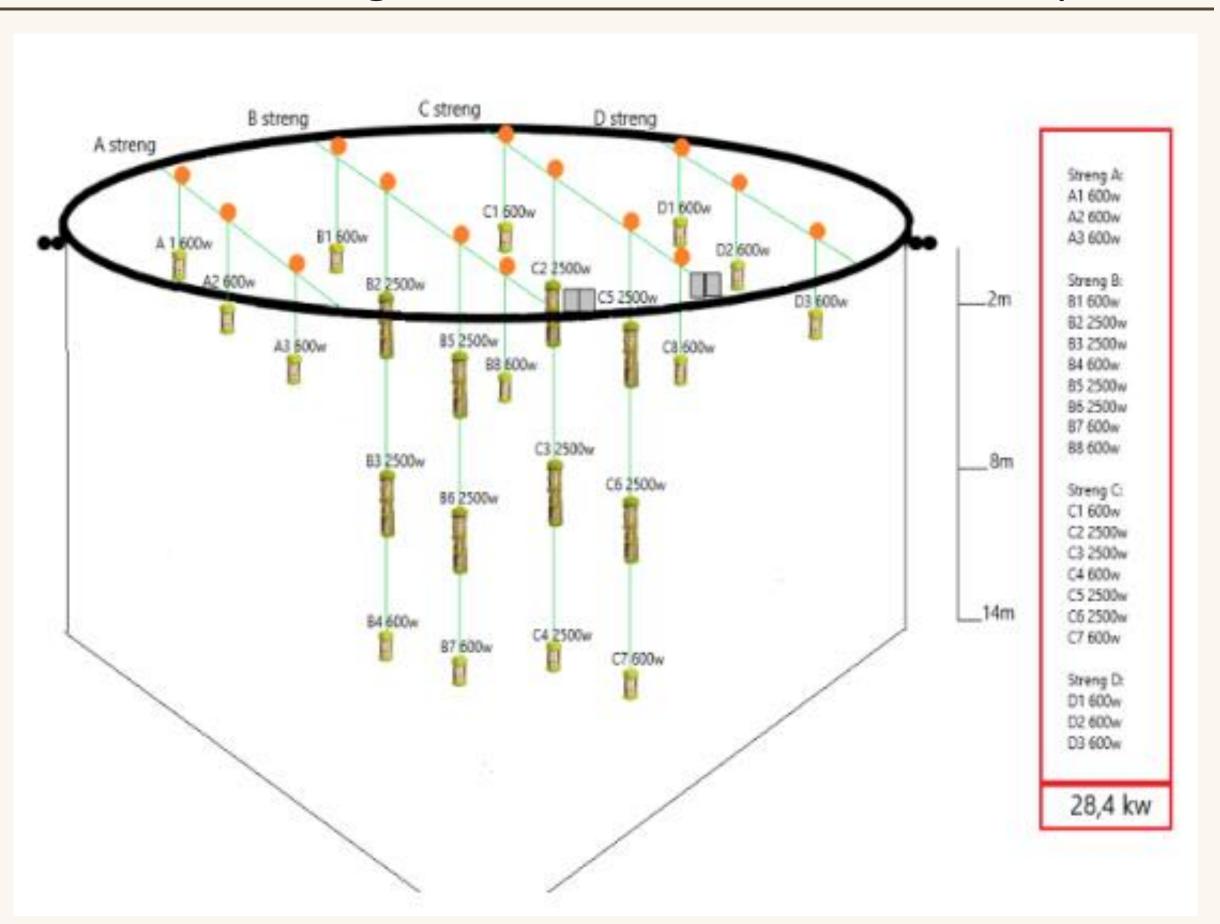
Technical setup of the light regime

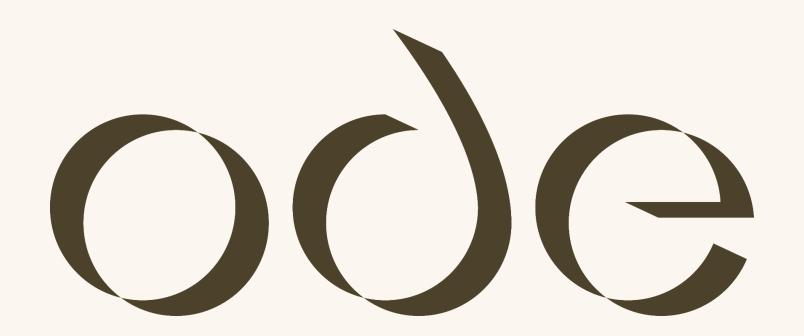


Ode light control in operation



Placement of lights in the water column of the pens





Be the most trusted supplier of fresh and sustainable cod products

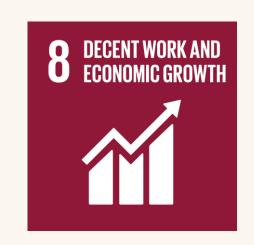
Contribute to vibrant local communities where we operate

Be part of the solution to more sustainable food matrix by 2050

Our business is deeply rooted in the United Nations SDGs













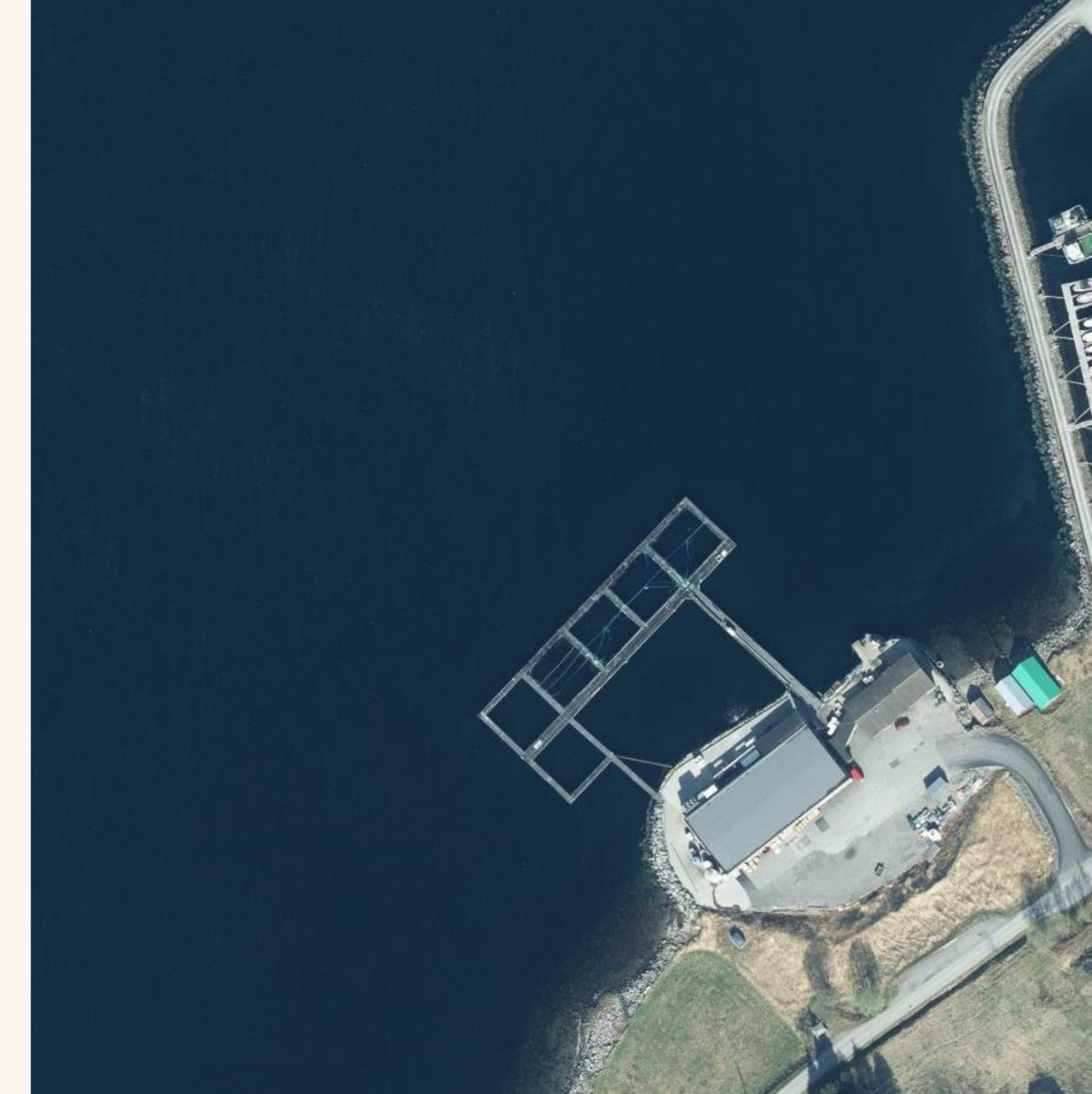


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Newly acquired factory at Vartdal

Solid foundation – exciting upgrades underway

- ✓ Situated ideally nearby Odes existing farming value chain and less than 20 km from Ode HQ
- ✓ Waiting pens with potential to improve production, flow and quality of fish
- Existing team of stable, long-term and local employees aiding local support
- ✓ Strong labour market within 30-60 min from site (Volda, Ørsta, Ålesund, Ulsteinvik, Hareid etc)
- ✓ Good basis and ample space to develop in line with Ode strategy and needs
- Experience with harvesting farmed cod in the recent past (15 months for Lerøy / Statt Torsk and 3 months for Ode)
- ✓ 1 641 m2 of industrial buildings and 8 153 m2 of buildable area
- ✓ Waiting pen approval for up to 300 tons

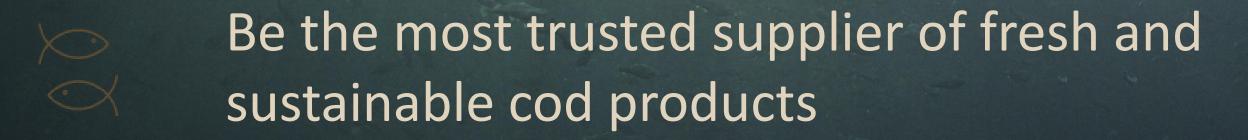


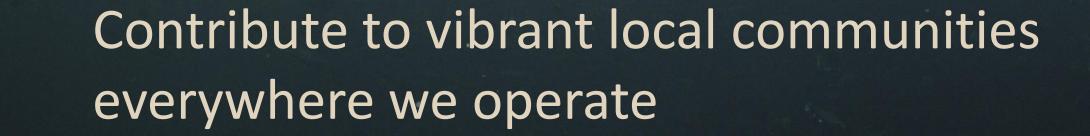


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Our ambition - deeply rooted in the United Nations SDGs







Be part of the solution to create a more sustainable global food matrix by 2050









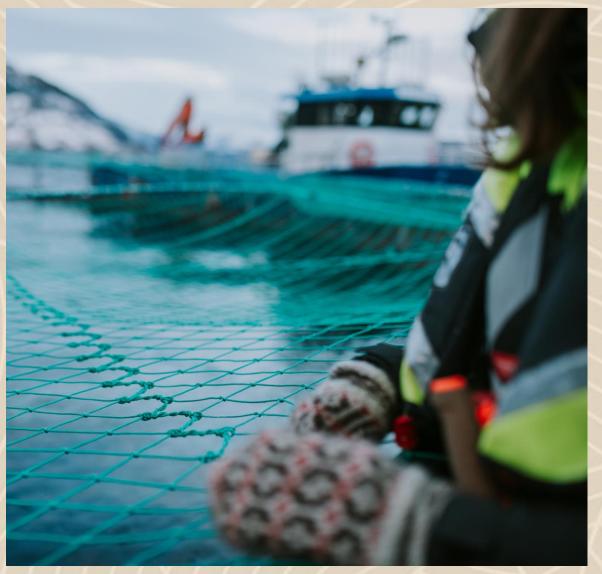






Sustainability Strategy









Reducing our footprint

- Electrification of all sites
- Solar energy
- Energy recycling
- Protect environment below water





Sustainable value chain

- Decent Work and Economic Growth
- Responsible production
- Recycling of waste
- Giving back to communities





Fish welfare & food safety

- High quality and sustainable feed
- Low stock density
- No use of GMO and Antibiotics
- Certifications GAP, SBI



Complete resource utilisation

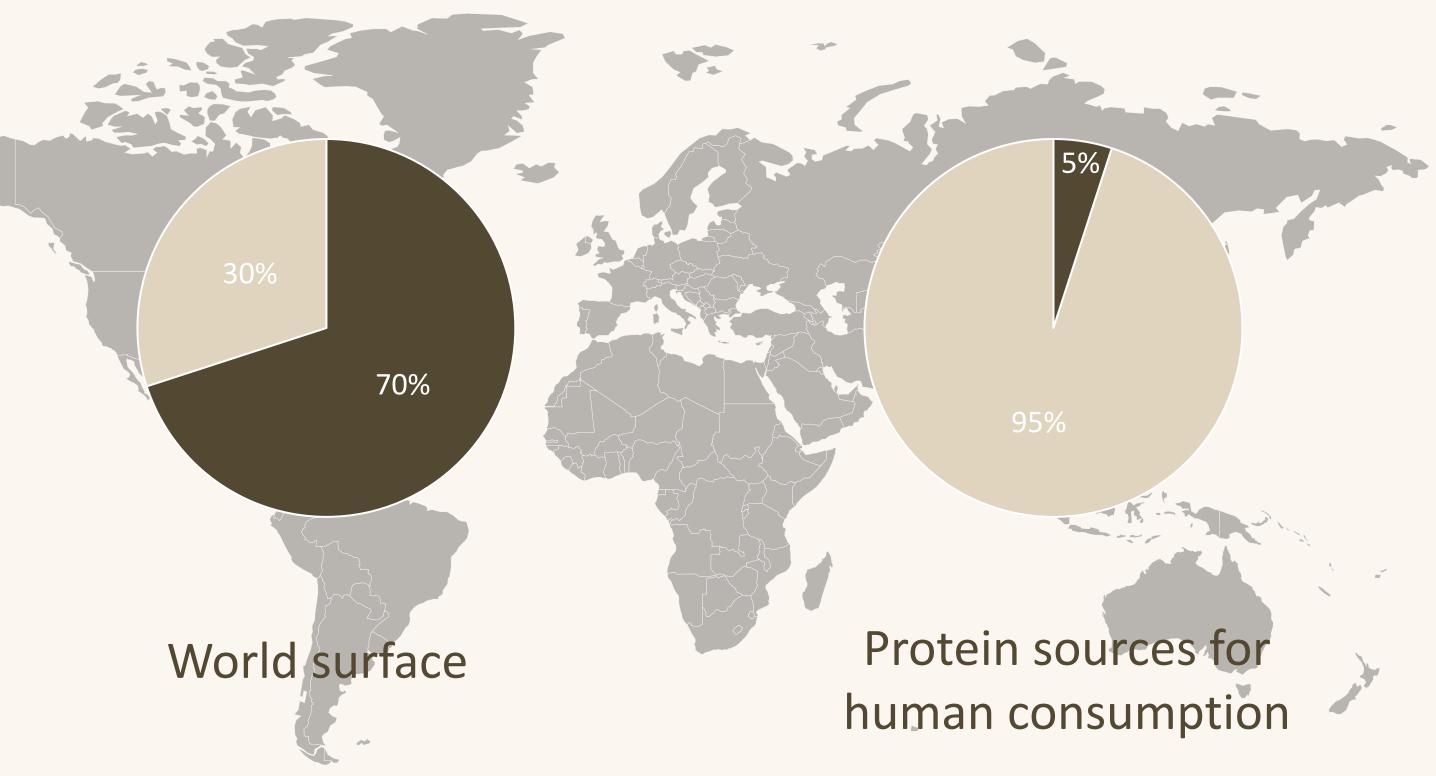
- 100% of fish used for human consumption
- Turn residual raw materials into new products





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Even though 70% of the world's surface is ocean, only 5% of the protein for human consumption is produced from the sea.



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Ode is addressing several accelerating mega-trends providing a solid foundation for long term growth



Global population is expected to grow by 30% and reach 9.8 billion by 2050 (1% CAGR)



Middle class is expected to grow by 117% to reach 8.2 billion by 2050 (3% CAGR)



Wild catch resources are exhausted, with more than 30% of fish population currently overfished and 60% fully fished



More educated and older population driving health focus and shift away from unhealthy proteins like "red meat"



Fundamental need for more resource efficient ways of producing protein (e.g. feed, Co2, fresh water, and land)



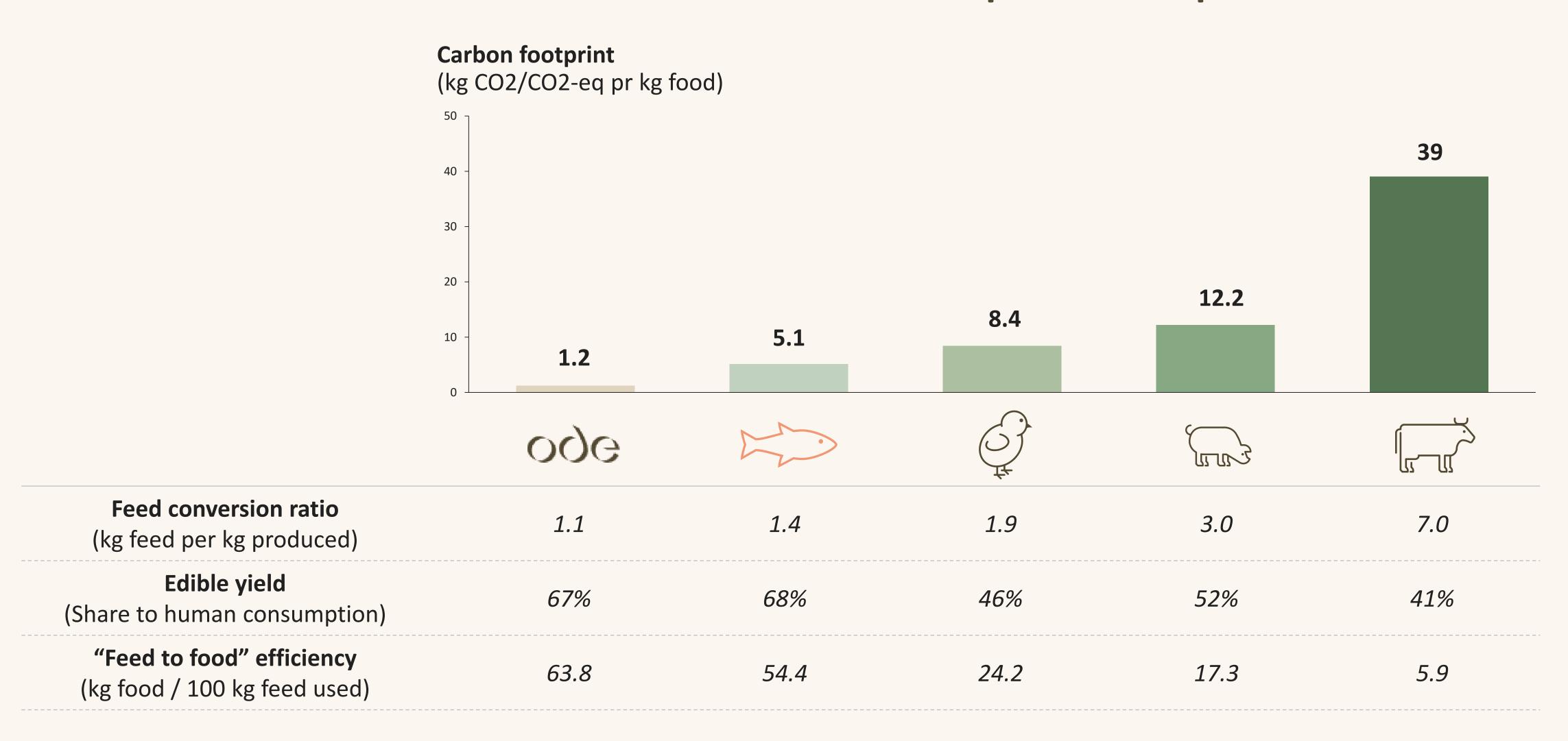
Significant increase in public opinion and consumer demand for food derived from sustainable production processes



Retail and grocery value chains in emerging markets are improving, enabling distribution of farmed fish



Aquaculture a critical component in the supply matrix to deliver sustainable protein production









Veterinary drugs and vaccines

- ✓ No antibiotics or veterinary drugs of any kind are used in the sea phase of the production cycle
- ✓ All fish groups are dip vaccinated twice, and inject vaccinated once
 - o Ichtiovac
 - Alpha Marine Micro 3





Traceability

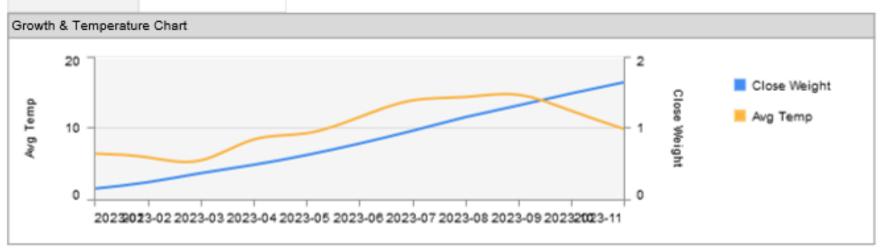
- ✓ Ode has complete traceability for all our products, from egg to ready packed/sealed and labelled box
- ✓ All feed, vaccines, treatments, transport, sortings, temperatures, certifications and more, gets
 registered in our control system –Mercatus
- ✓ We provide all customers with detailed product CV from each harvest



Product CV

oduct Information	1		Hatchery information	n	
age No	VRP - 09		Hatchery	Stadsb	ygd
sh group	22Q4		License	10381	
ear class	2022		Fish group	N5St22	2Tbo-Vrp
oecies	Cod		Hatching Date	02/05/2	2023
igin	-		Smolt Information		
te Information			Smolt Plant		
te Name	VRP-Vorpenese	t	Smolt License		
te License					
			Fish group	TNStR	222
te Number		45138	Sea Entry Weight	110.0	
aterway (Fjord)			Transferred To Sea	16/01/2	2023
LOBALG.A.P.	Not Certified		Transport	Cmale	
			Vaccine Type		Vaccine Date
oodstock Information	on		Icthiovac		31/08/2022
oodstock Plant	Norfima		Alpha Marine Micro 3	3	08/12/2022
oodstock License	10764				

Production	
Count	182 876
Avg. Weight (g)	1 637
Biomass	299 440
Growth (Kg)	205 239
Eco FCR	1.55
Bio FCR	1.46
Last Feeding Date	28/11/2023
Temperature	
Min	3.60
Avg.	10.17
Max	17.40
Density	
Min	0.66
Avg.	4.31
Max	8.55



Feed Info	ormation (Smolt)											
Feed Typ	e			Suppl	ier		First Used Da	ite	Asta		Weight	% of Total
Total												
Feed Info	ormation (Site)											
Feed Typ	oe .			Suppl	ier		First Used Da	ite	Asta		Weight	% of Total
Amber N	eptune 4mm			Skrett	ting		17	7/01/202	3	0.0	14 02	2 4.419
Amber N	eptun 100 5 mm			Skretting		12/02/2023		3	0.0	37 71	1 11.86	
Amber Neptun 300 7mm		Skretting			06/04/2023		3	0.0 32 07		1 10.09		
Amber Neptun 800 9 mm			Skretting			30/04/2023		3	0.0 45		7 0.149	
Optiline o	od 9 mm			Skrett	ting		15	5/05/202	3	0.0	233 72	9 73.50
Total										0.0	317 98	9
Quality In	nformation											
Туре	Date	# of fish	Avg. W	/eight	Asta		Total pigment	% Fat		Conditi	on Factor	Visual Colour
Medicate	d Feed					Tre	eatments					
Type Date last used Ame			Amo	unt		Ту	pe	Ds	te last	used	Amou	nt



ited: 29/11/2023

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ode Sustainability certifications

ASC

- Ode aims to become ASC certified as soon as possible, and is working actively towards the ASC to develop a standard to be certified towards
- Today there is no ASC standard for cod. We are aware that this is a much-used sustainability standard with our customers, hence we are looking at alternative paths to become benchmarked against ASC standards for farmed fish
- Ode has had several meetings with the certification body DNV and are currently investigating the following possibilities:
 - o DNV benchmark against the ASC standard: the certificate will not be accredited, but DNV seal will be applied
 - ✓ Timeline: Q2- 2024
 - Pilot the new generic farm standard expected to be launched by ASC fall 2024
 - ✓ Timeline Q4-24, Q1-25

Other standards

- BAP: Can be implemented, but does not seem to hold the same customer value, and have so far not been qualified to be worth the time, cost and effort by Ode. But is being continuously assessed.
- Friend of the sea: under consideration, the standard has a lot in common with Global Gap, and is assessed to be a good addition to the Global Gap certification we have today. But is also not too familiar in the market and has a lower status then Global Gap and ASC.
- Wholefoods private standard: Under consideration.









ode ASC – "Cod-gaps" to the salmon standard



GAPS

Feed compliance:

- Due to the different biology between salmon and cod, there is a discrepancy between the requirements of the technical quality/composition of the salmon feed and the cod feed
- Cod needs a higher percentage of marine raw material in it's feed to fulfil the correct dietary requirements. However, we are continuously challenging the feed composition, to optimize the cod feed to the species' precise needs
- Cod is a low-fat fish, meaning that the EPA/DHA levels in the feed will be lower compared to salmon feed, while the Fish
 oil ratio(FFDRo) and Fish meal ratio (FFDRm) is higher
- Cod has a very low FCR between 1,0 1,2 per kg fish produced. On some fish groups we have even seen results below 1,0
- We have a close partnership with a large, renowned ASC and GG certified feed supplier, Skretting. Skretting continuously search for alternative protein and fat sources to improve sustainability and fish welfare, and amongst other use a large share of offcuts in the feed



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Our uniqueness

The most trusted provider of sustainably farmed fresh cod

- ✓ Atlantic cod iconic fish with long heritage
- ✓ Stable and predictable year-round deliveries of fresh cod
- ✓ Safe product for the consumer free from nematodes and parasites
- ✓ Sashimi grade quality juicy texture with silky fresh taste
- ✓ Healthy product high protein content and rich source of Omega 3
- ✓ Thick fillets, firm meat, white color and fresh taste
- ✓ Long shelf-life due to innovative solutions and cooling chain (17 days)
- ✓ Sustainable practices **No GMO, No Hormones and No Antibiotics**
- ✓ Responsible company Global G.A.P certified
- ✓ Produced with renewable energy Low carbon footprint
- ✓ Reliable partner with long term horizon on volumes and prices



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The iconic cod - in a modern way

- ✓ Atlantic cod Iconic fish with long heritage
- ✓ Raised in natural environments
- ✓ Fully integrated value chain
- ✓ Sustainable practices No GMO, No Hormones and No Antibiotics
- ✓ Responsible company Global G.A.P certified
- ✓ Produced with renewable energy Low carbon footprint



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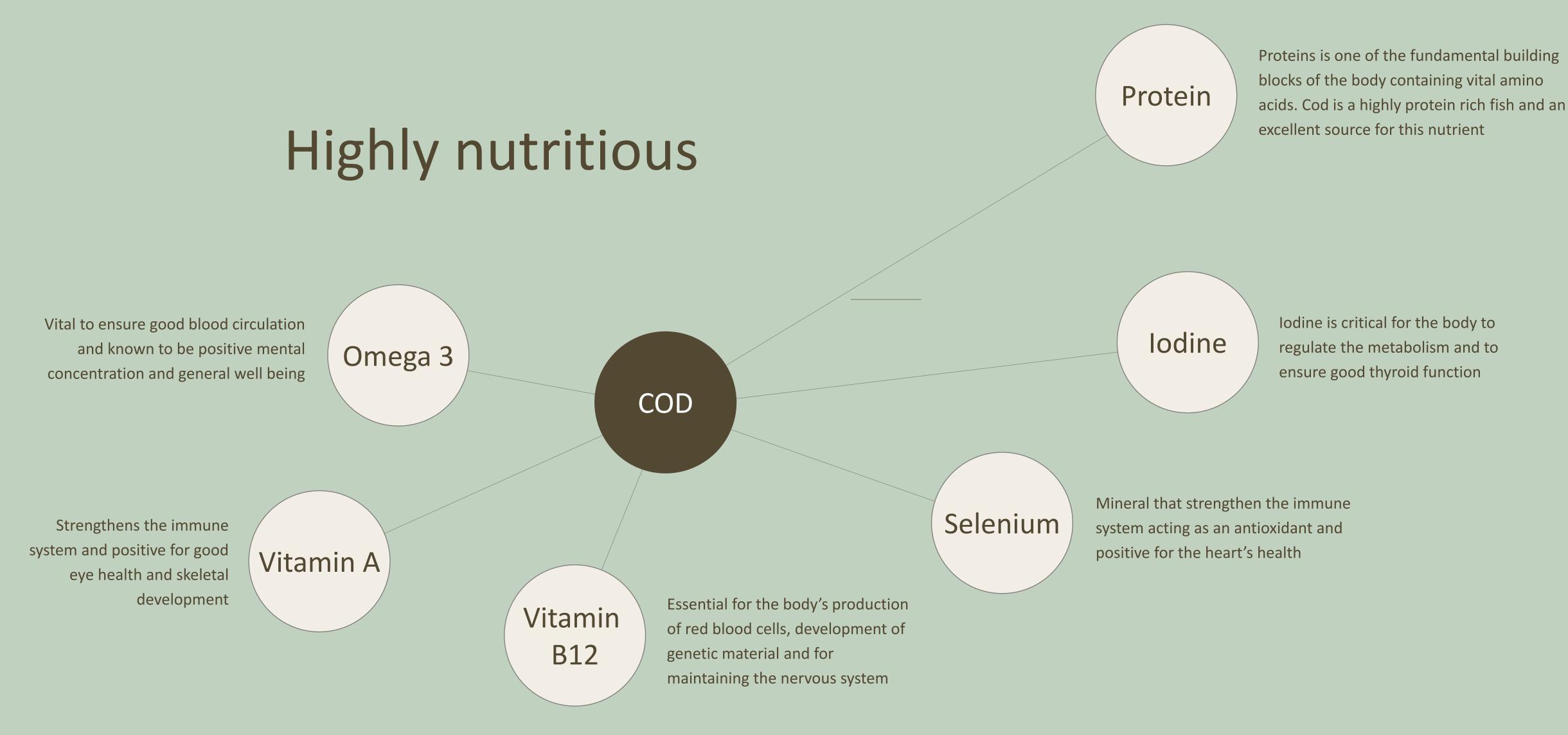
Stable year-round deliveries

- ✓ Predictable year-round deliveries of fresh cod
- ✓ Simplify planning Long term contracts at fixed volume and prices
- ✓ Reliable partner with long term horizon on volumes and prices
- ✓ The most **trusted provider** of sustainably farm fresh cod

OUR UNIQENESS



ode



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Product map

Share Ode Example **Product category** Packaging **Products** customers / partners volume Auchan HOG • 20kg coop • H&G • 12kg Whole fish 50-60% megā Air **Alcampo** Carrefour Whole filet (skin on/off, • 3kg **ESSELUNGA** Filets and • 5kg PBI/PBO) loins - Bulk Portions (skin on/off) • 10kg Share VAP is Carrefour coop Traditional cuts (loin, tail, belly) increasing • 3kg Ode sell whole filet to MAP Filets and Système (U) partners (triangle partnership) **VAP** loins - MAP 30-40% • IVP / IQF Filets (skin on/off, PBI/PBO) HELLO FRESH Frozen Block Portions (skin on/off) Salted & Ode done initial testing on Skin pack MareDeus salted and smoked products Vacuum Smoked

Case example – Product hierarchy (Nordic retailer)

off. ~10% lower price

for skin-on options

Product	Description	Sizes	Retail Price level	Cutting instruction
"Premium" Premium fresh loins	 Fresh overloin either sold in bulk, vacuum packed or MAP 	• 200-400g+	• 30-35 €/kg	Loin
"Broadline" Fresh tail and portions	 Loin (MAP as portion) Tail – Small filet (MAP as portion) 	150-300g70-140g	 12-14 €/kg 10-11 € /kg 	Loin
"Affordable" Fresh belly portion	 Belly portion (skin on/off) Bits and pieces (breeded) 	• 80-130g	• 9-10€/kg	Belly

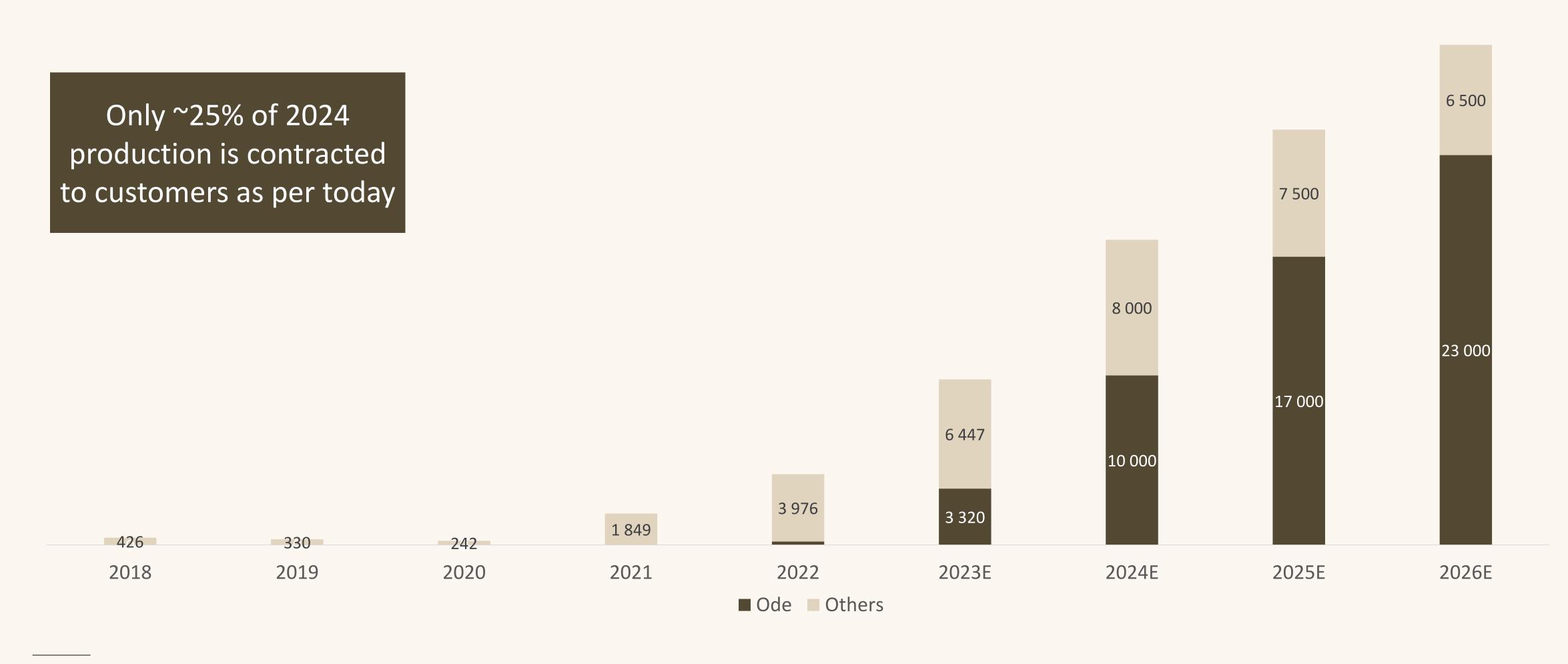




- 1 Introduction to Ode
- 2 Value chain and operational strategy
- 3 Harvesting and Processing
- 4 Sustainability at the core
- 5 Products
- 6 Industry outlook

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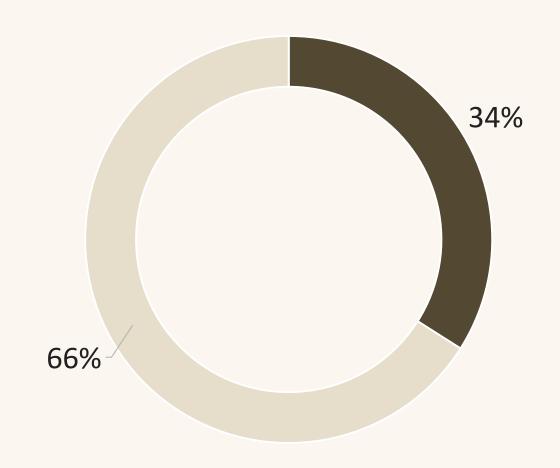
Ode can support customers with stable and solid deliveries and growth across the next 5 years



Share of total farmed cod volume produced per year



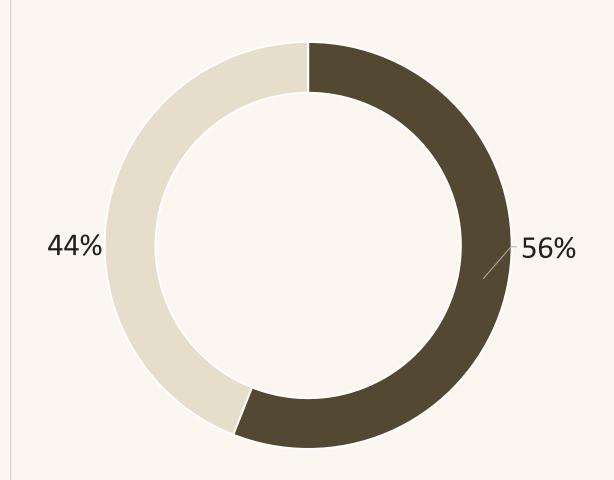




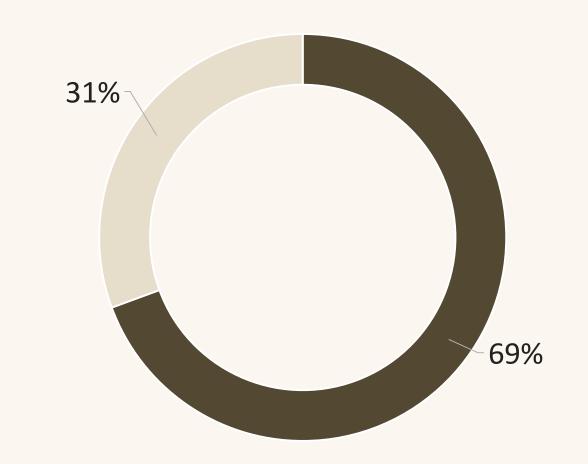
Source

- Export statistics (Seafood council)
- Biomass statistics (Fishery Directorate)

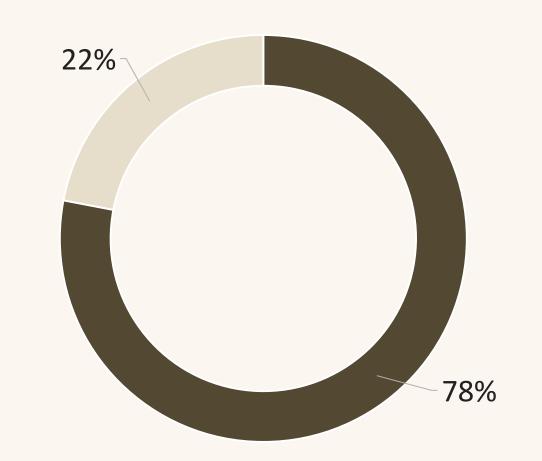
2024E



2025E



2026E



Source

 Biomass/stocking statistics (Fishery Directorate)

Source

Stocking statistics and
Juvenile and roe purchase
(Nofima and Havlandet)

Source

 Juvenile and roe purchase (Nofima and Havlandet)











