



# Deep Farming

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Arnstein Hosaas  
Chief Innovation Officer

**AKVA**GROUP™

# Farm Operations

The best locations consistently deliver better results than the poorest locations

- Feed
- Equipment
- Technology
- Biology



There is great value in reducing the variation between the locations, by letting the weakest performing learn by the best performing.

# AI in aquaculture

There are three main angles of using AI in aquaculture

- AI that see



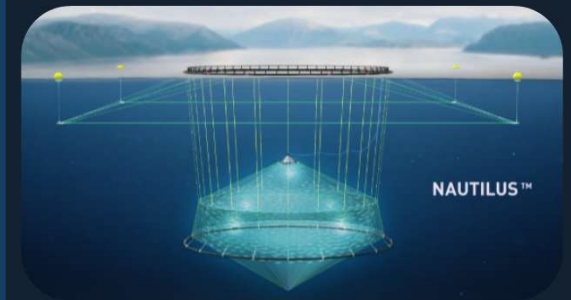
An AI that see is for example, a lice counting camera, biomass measurement, fish health monitoring etc.

- AI that decides



An AI that decides is an AI that makes a real signal- typically start/stop feeding

- AI that navigates



An AI that navigate means that it analyses its surroundings, and their expected development. It then optimizes based on the analysis

# AI that see

The AI that see gathers large quantities of data and presents these in an organized manner



Better information creates a  
better foundation for decisions  
and by that also better decisions



# AI that decides

The information is analyzed and a decision is taken by the AI.

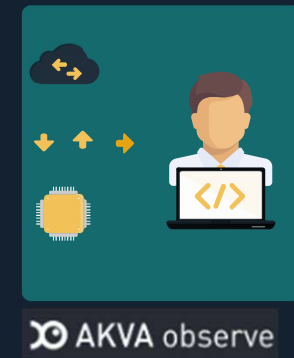
Based on the behaviors of the fish and the observed pellets the feeding is started/stopped



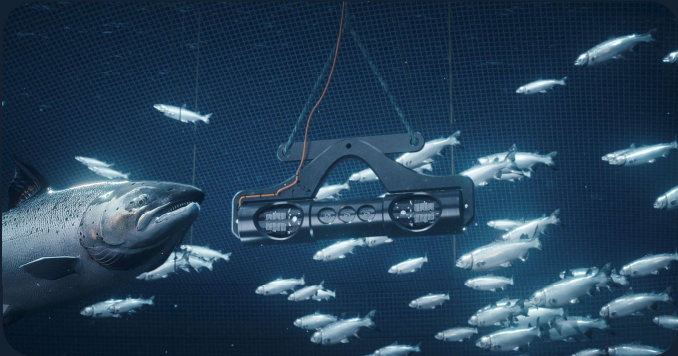
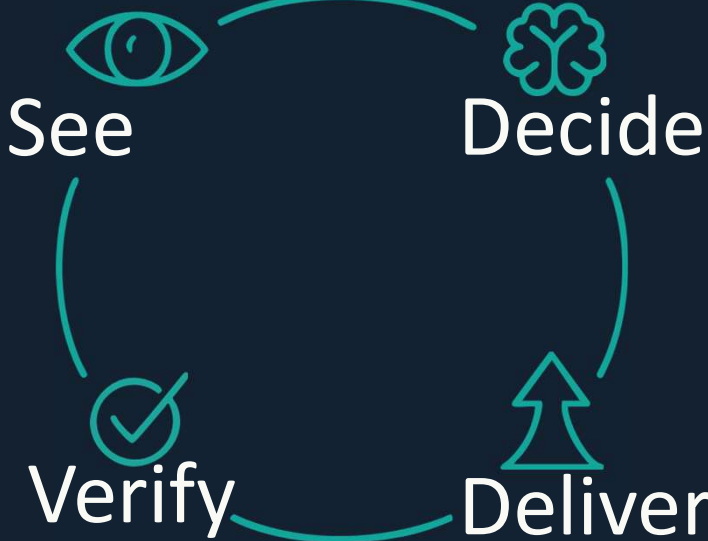
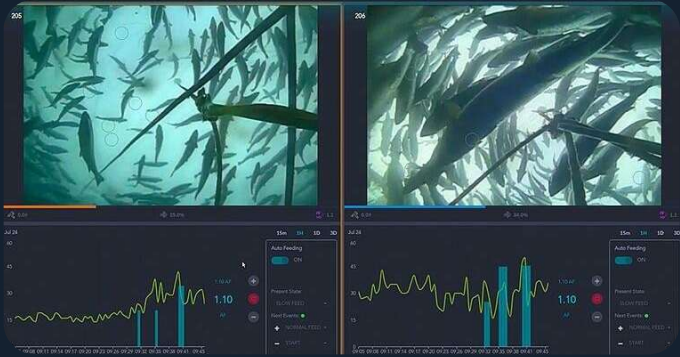
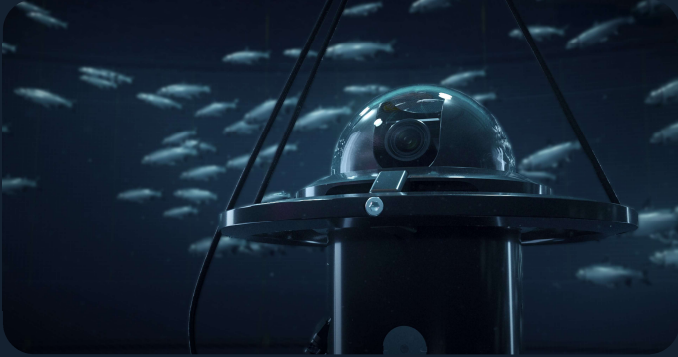
No variation in daily awareness,  
no delay or distraction, only  
continuous, consistent simple  
decisions

# Effective farming

Accumulated experience and continuous optimization results in better FCR

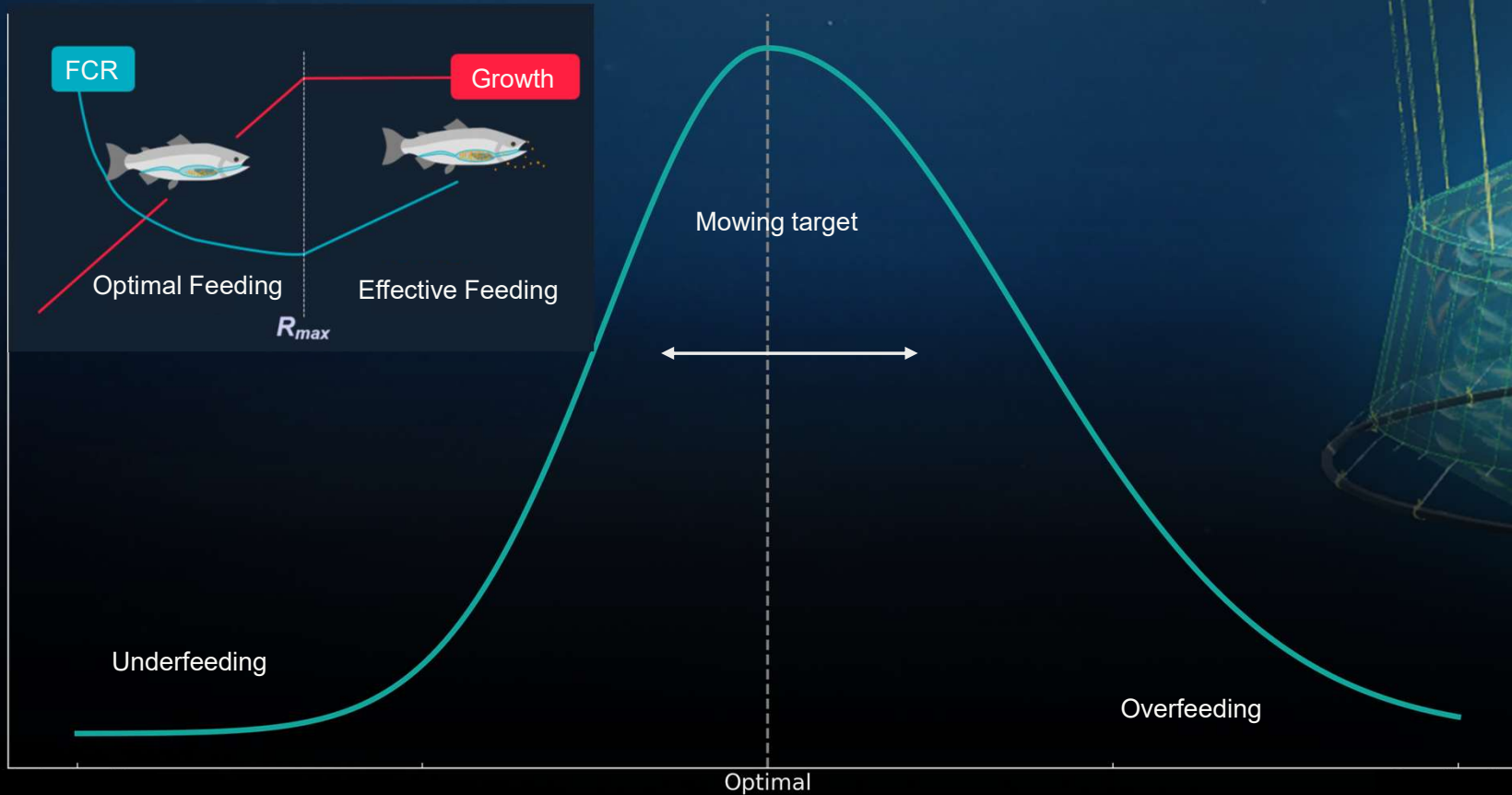


# Effective Farming- consistent and continuous



# The superpower

Into the deep- how big can the upside become when we increase the space for optimization?



# AI that navigates

The information is analyzed, and a strategy for optimal farming is created and executed by the AI

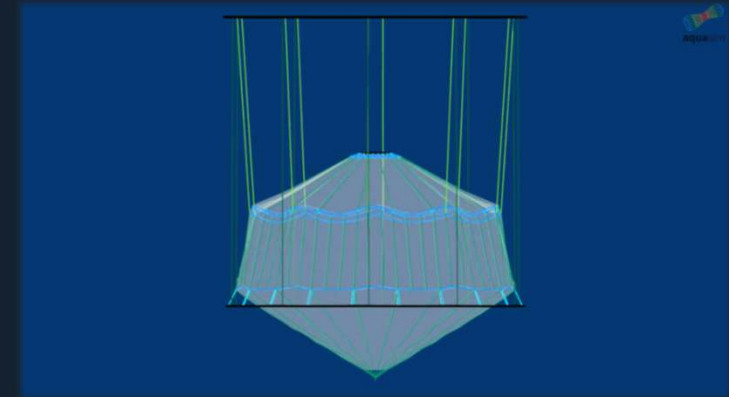
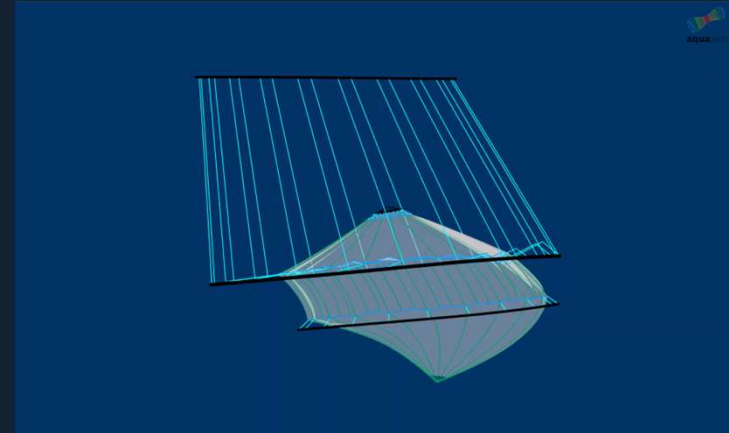


Varying lice pressure

Temperature optimization

Oxygen optimization

Waves and weather

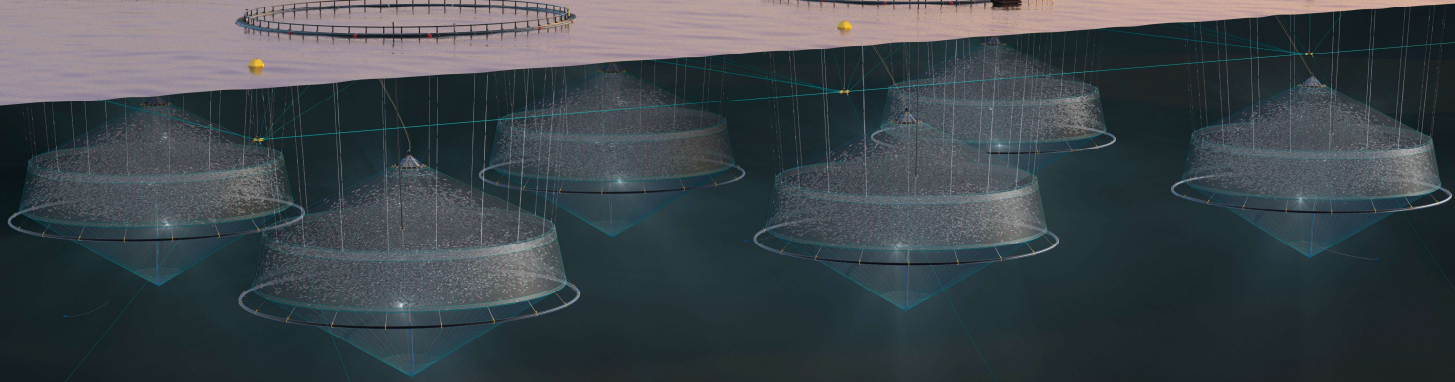
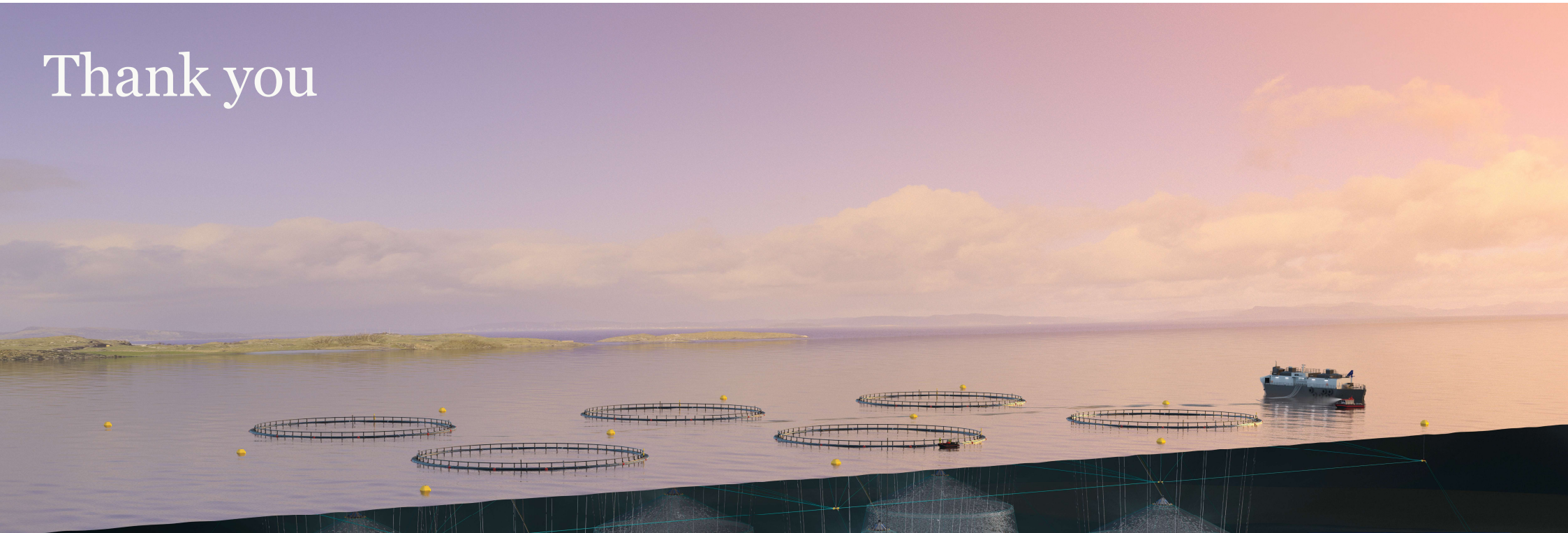


FCR, growth, survival, superior quality and lice reduction is all good, it's from this point we can do really exciting things!

See  
Decide  
Navigate

Foto: Tom Lysø/Sinkaberg

Thank you



**Arnstein Hosaas**  
[ Akva Group ]

