Beneath the surface: Real-life application of AI

Aqkva AI Conference

04 June 2025

Reinhard Fellner| Director of Customer Success & Insight

Aquabyte

Proprietary and confidential

Aquabyte is the market leader in camera-based biomass, welfare and sea lice monitoring in salmon aquaculture

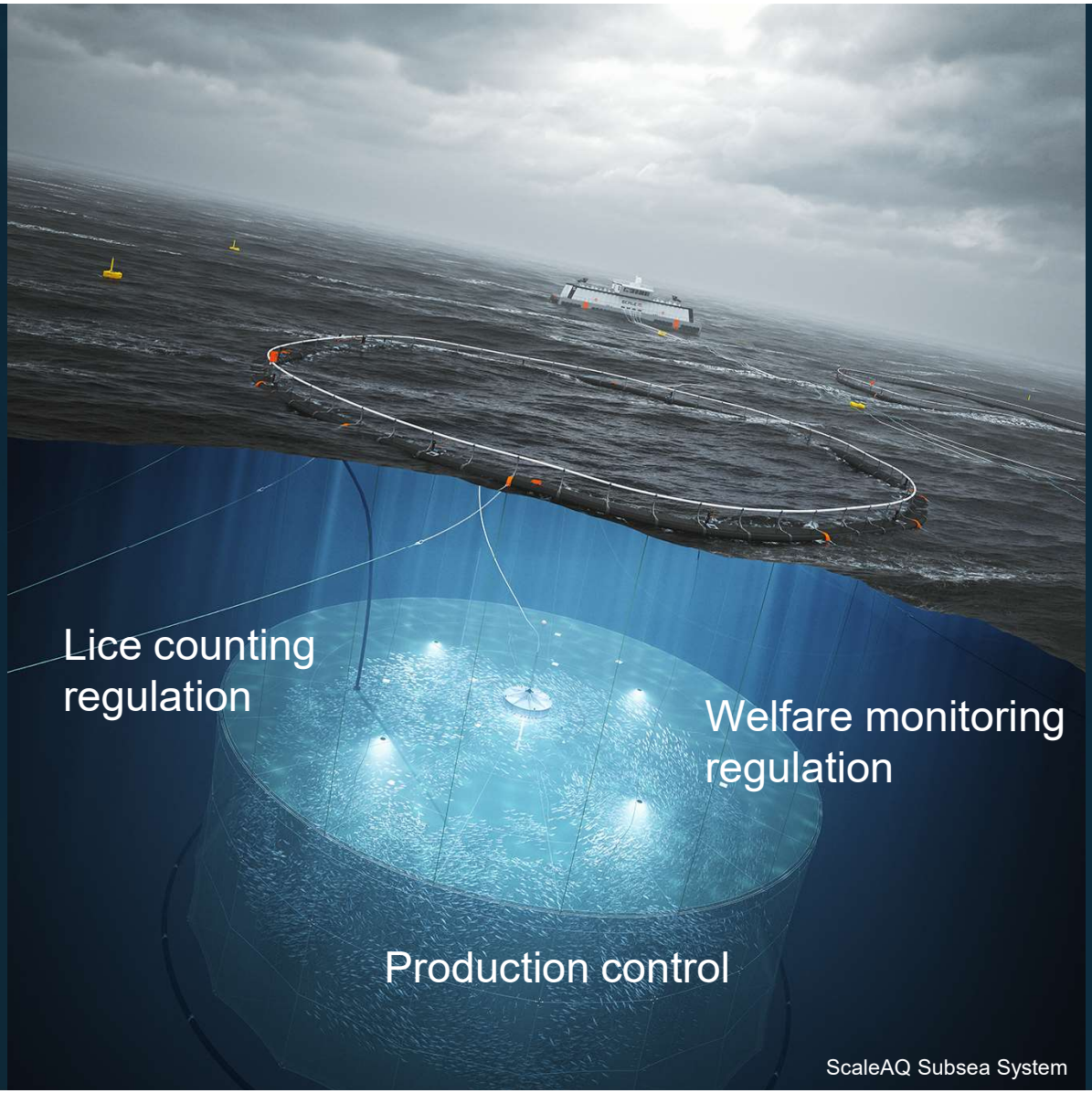
- Offices in Norway, USA, and Chile
- We operate in all major salmon farming regions
- Our customers are the largest salmon farming companies in the world
- Three species: Atlantic salmon, Coho salmon, and Rainbow trout
- Our employees are experts in aquaculture, marine biology, computer vision, and artificial intelligence

Aquabyte®

Artificial Intelligence in aquaculture today

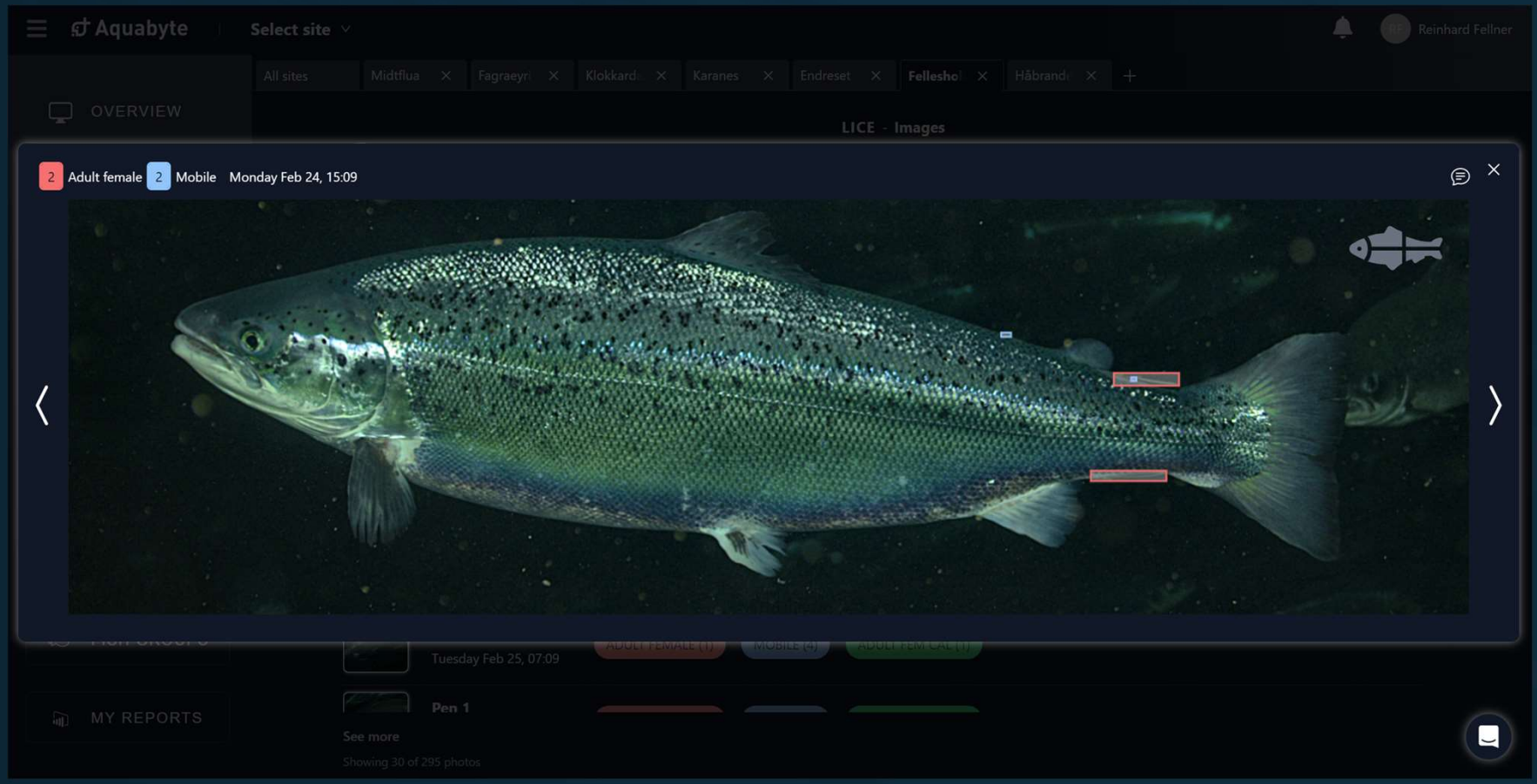
- Surfaces previously unavailable or unattainable data
  - Real growth patterns
  - Size distribution
  - Behavioral data and population dynamics
- Automates monitoring of lice, externally observable welfare, and stress
- Soon - Exceeds human performance in repetitive tasks and complex decision making

Aquabyte®


Lice counting
regulation
Welfare monitoring
regulation
Production control
ScaleAQ Subsea System

Aquabyte®

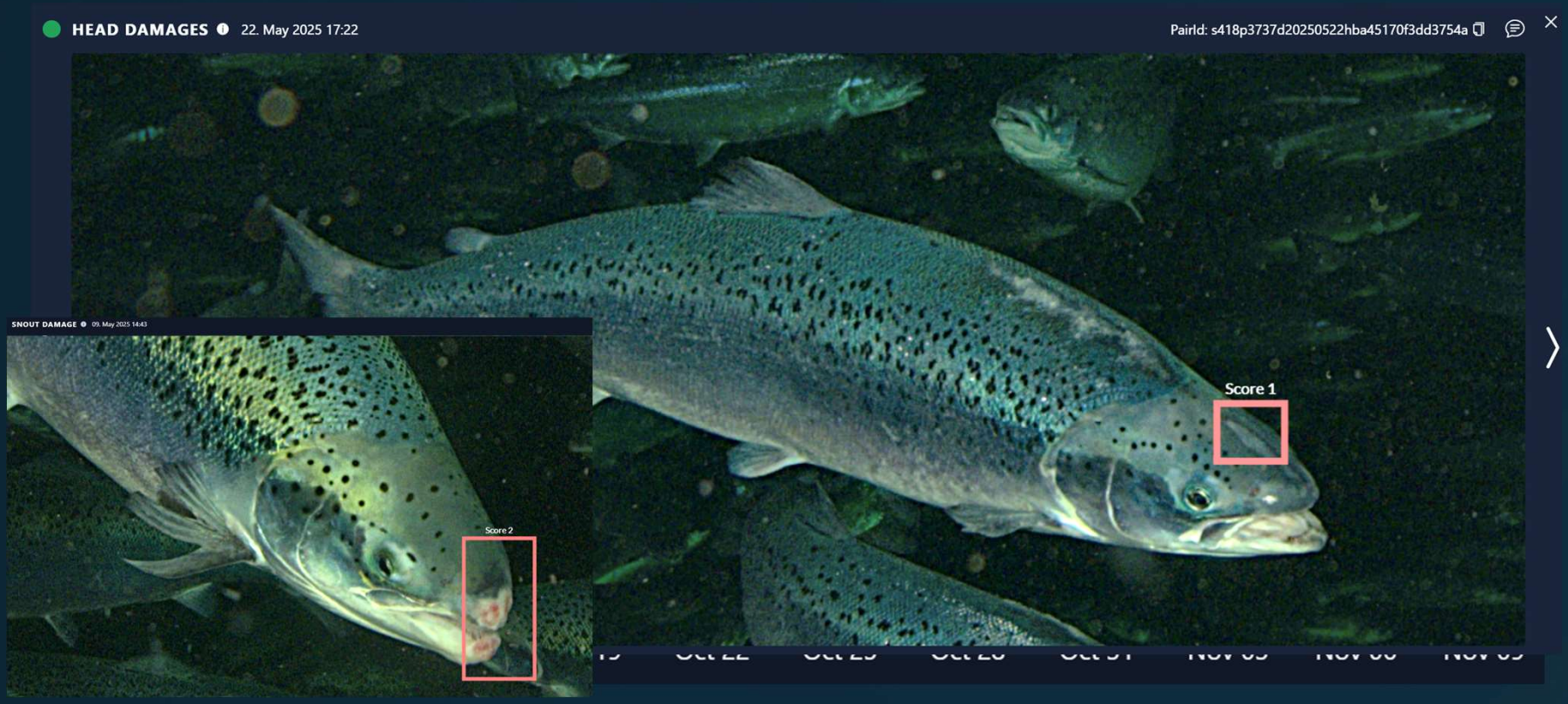
Automatic lice counting



Automatic swim speed monitoring

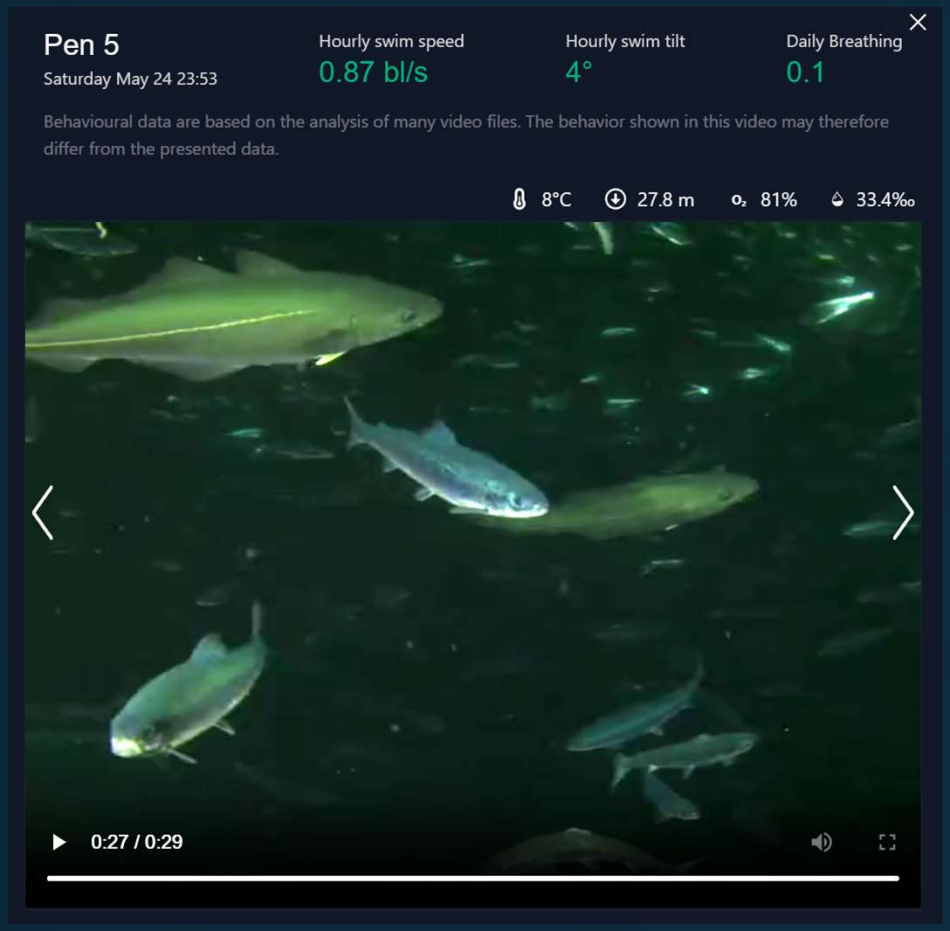
Aquabyte

Automatic welfare monitoring



Aquabyte

Automatic foreign fish detection



Aquabyte®

Aquabyte®

TAKK

Reinhard Fellner
Director of Customer Success & Insight
+47 465 41 286
Reinhard.Fellner@aquabyte.ai

Aquabyte