


AKVA Observe


FROM ART TO **SCIENCE**

Our groundbreaking new AKVA Observe system simplifies the feeding process by bringing all tools together in one place

- The system analyses in real-time the different data and video streams at the site through the use of Artificial Intelligence (AI)
- It makes intelligent recommendations about when and how much to feed given farm conditions and fish behaviour
- The system is self-learning: As more data streams are added to the system, the AI is being developed to acknowledge other correlations that can affect fish growth, like oxygen and temperature levels
- AKVA Observe is compatible with all existing pen hardware. It is not dependent on the cloud to work, nor is there any limitations caused by putting more systems out there. The system has been developed in parallel from the clear, Scottish waters to nutrient rich, muddy waters in Chile. Building the system across multiple global regions has made it more robust, and the AI more intelligent.

System overview



AKVA Observe

THE ASSISTANT YOU ALWAYS WANTED



AKVA Observe has two main components: (1) A server installed at the site that will alert the farmer of any abnormalities through real-time surveillance and analysis. (2) A cloud-based management tool that shows key parameters over a desired period of time. The management tool will act both as an audit trail of feeding deviations and as valuable input for learning and improvement (both for the operator and the AI algorithm).

The on-site server is the cornerstone of the system. It receives input from existing video streams, the feeding system and environmental sensors and performs analysis - both on real-time and historical data - to create the most accurate picture of the fish' conditions, activity levels and pellet detection.