

REFA PROJECT

(Active: 04/07/2015 – 24/06/2016)

REFA - "Renseteknologier til fremtidens akvakultur"/ cleaning technologies for future aquaculture.

Edible fish farmed in aquaculture is the world's fastest growing food sector. Today, the sector produces more than half of all fish eaten.

By 2030, global food demand is expected to double. Massive development in land-based fish production is therefore needed to meet the growing demand for fish in an economically and environmentally sustainable way.

Better water quality and healthier fish in land-based aquaculture facilities

The innovation consortium REFA have developed the basic knowledge and new Danish technologies that can contribute to the growing food production in an economically and environmentally sustainable way, and that Danish technology suppliers and producers within land-based aquaculture can maintain their global leadership position.

In the consortium, technology suppliers, aquaculture companies and knowledge centres have come together to develop and test the new purification technologies, sensors, and control technologies. The solutions must ensure a stable and safe water quality in the recirculating aquaculture facilities. It will provide more optimal production conditions and higher fish quality. The solutions must also be energy efficient so that the operation of the plants can remain competitive. The consortium's results will probably also be used in other environmental technology contexts.

ULTRAAQUA UV participation

ULTRAAQUA's UV Systems have been chosen to increase security from infectious diseases in million of salmon, sturgeons, eels, turbot, sea bass produced in aquaculture systems worldwide. Here our UV systems help increase FCR, and drastically reduce the use of antibiotics for a better and more stable production.

Consortium participants

Companies:

Oxygen International A / S, Hydrotech AB, Billund Aquakultur ApS, Grundfos Management A / S, Siemens Turbo Machinery Equipment A / S, AKVAgroun Denmark A / S Orbicon A / S, Skjølstrup og Grønborg ApS (ULTRAAQUA UV), Dansk Akvakultur, Kærhede Miljøopdræt A / S , Bioras I / S

Research institutions:

DTU-Aqua, DTU-Miljø, and Ålborg Universitet-Byggeri og Anlæg

Advisory and Knowledge Dissemination Party:

DHI

For more information please follow this [link](#), or email ULTRAAQUA UV at ultraaqua@ultraaqua.com