



Disinfection

Aquaculture,
Hatcheries

Norway

Disinfection for Salmon Farm in Norway

The Challenge

The salmon facility in Norway is particularly vulnerable to *Moritella* and *Tenacibaculum* contamination during the winter period when water temperature drops. The site was operating three traditional medium-pressure UV systems onsite, which were unable to provide the required biosecurity to the farm.



One of three traditional UV systems previously installed on site which failed to provide the farm with the required water bio-security

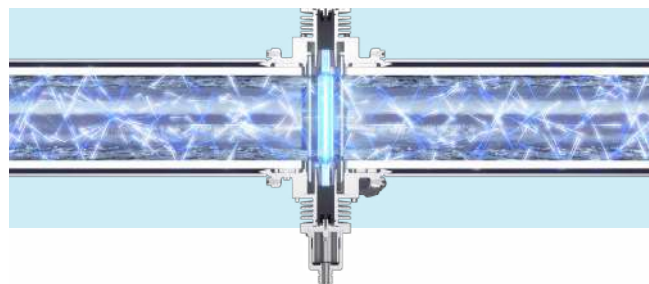
The Solution

Three Atlantium HOD™ (Hydro-Optic Disinfection) UV RZ Series systems were installed on the sea-water intake, each unit employing high-intensity medium-pressure lamps, treating a total of 1,800m³/hr.

The HOD UV systems were designed to automatically respond to the seasonal changes in the seawater transmittance (UVT), ensuring maximum protection while reducing electrical consumption.

Recent scientific research has shown that successful UV treatment is affected by wavelength span. Effective control of complex organisms, EPS, and viruses and prevention of the repair mechanism following treatment relies on a wider UV wavelength span.

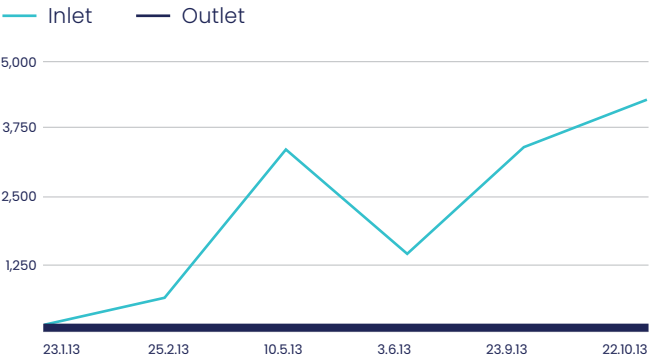
Our high-performing, medium-pressure UV lamps emit a wide wavelength that causes greater damage and yields more effective disinfection than low-pressure UV lamps, and even more effective and economical than any other medium pressure lamps.



Results

Atlantium HOD UV systems replaced the three traditional UV systems in August 2012 to provide the hatchery with the required water biosecurity enabling the facility to reach record yields ever since.

On-site inlet and outlet Vibrio Counts



Vibrio microbial inlet and outlet counts taken over ten months from one of the HOD UV systems installed onsite



HOD UV RZ Series

About us

For more than two decades, Atlantium Technologies has helped to ensure water safety with its innovative HOD™ (Hydro-Optic Disinfection) UV technology and novel approach to performance, monitoring, and control. Atlantium's superior, environmentally friendly water treatment solutions ensure stable, efficient, and dependable production.

With thousands of full-scale installations for leading brands in various industries globally, we're committed to consistently meeting our customers' water quality needs, ensuring pure results.

