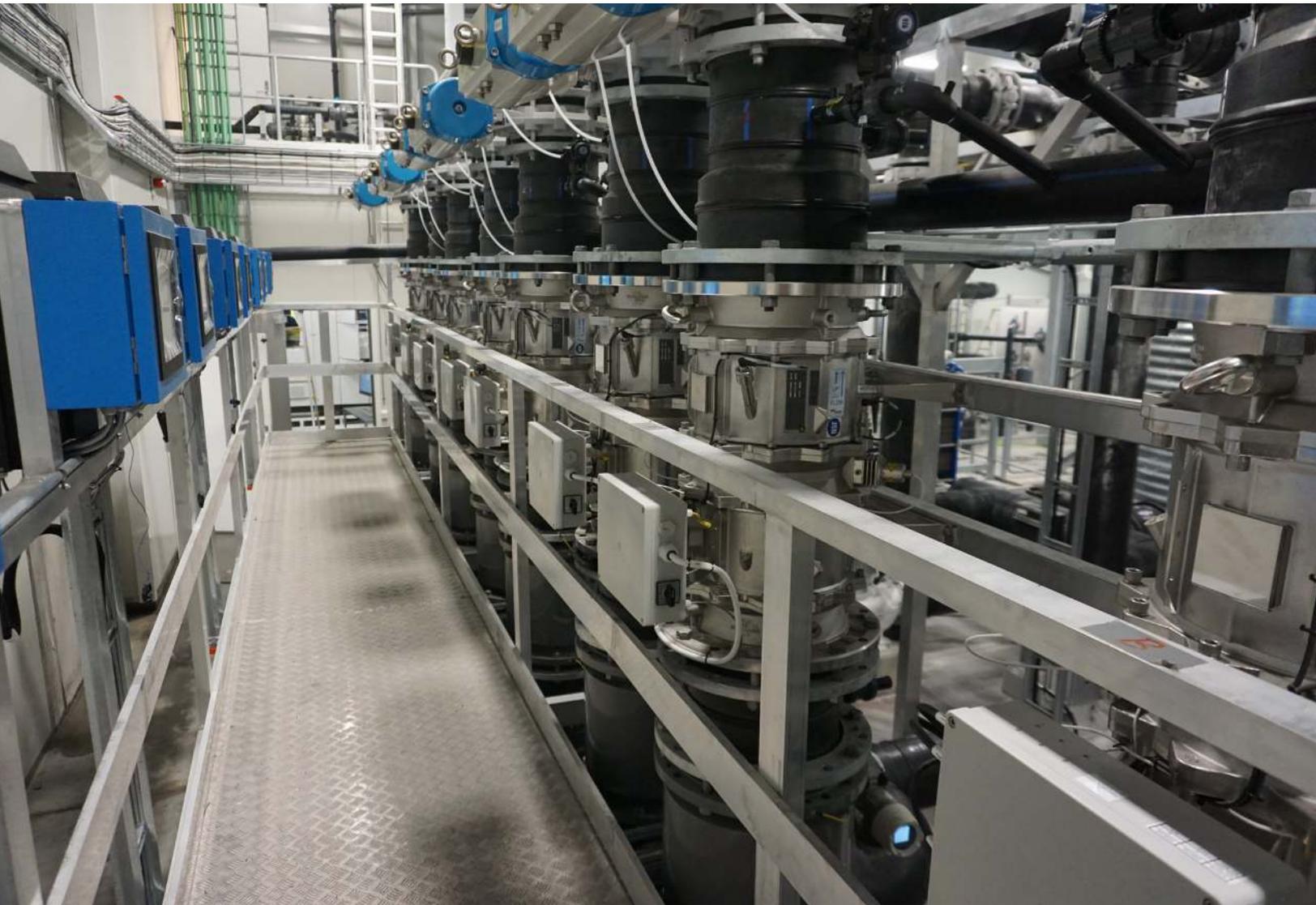


Hydro-Optic™ UV
We Put Your Fish Biosecurity at the Heart of Our Technology



Atlantium Technologies specializes in custom-made water biosecurity solutions against a wide range of aquatic microorganisms. Atlantium is not your conventional UV provider: with years of experience in the aquaculture industry, our Hydro-Optic™ (HOD) UV technology is the leading brand for effective and invaluable protection for fish producers. Our customers come to us for the design and implementation of secure UV disinfection solutions. We take pride in being the industry leader for quality solutions, disease elimination and customer satisfaction. Our reputation for working with our clients to get the results they need distinguishes us from other UV companies.



Hydro-Optic™ UV Technology Spotlight

The HOD UV system features the unique Total Internal Reflection technology that recycles UV light energy, ensures homogenous UV dose distribution and provides superior power (kW) efficiency compared to traditional UV.



Enhanced HOD UV Light

- Medium pressure high-intensity HOD UV lamps enable fewer UV lamps per system
- Medium pressure UV lamps provide a broad germicidal spectrum of polychromatic UV light (200–415 nm)
- Lamps are protected by a quartz sleeve 5 times thicker than conventional quartz sleeves
- Significantly reduced lamp-related maintenance
- Quick and easy lamp replacement, does not require emptying of the water lines or depressurization



Real-Time Lamp Performance Monitoring

- Dedicated UV sensor for each HOD UV lamp (feature unique to HOD UV technology)
- Continuously monitors HOD UV lamp output
- Ensures delivery of required UV dose at all times

Advanced Control System

- Continuously displays UV transmittance (UVT), flow, power and UV dose
- Provides real-time data on operation and efficacy
- Features built-in data logging, up to six months
- Easy integration with the control SCADA system
- Customized with user settings for alarm signals
- Features user-based management with changeable usernames and passwords



Real-Time Water Quality Monitoring

- Integrated UVT sensor on each HOD UV system
- Continuously monitors UVT%
- Optimizes system performance for actual, not estimated, UVT% levels



Atlantium Technologies

www.atlantium.com
info@atlantium.com

For more information, contact your Atlantium representative

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