Atlantium- Leading the way in UV technology with Purestream™ BWMS

Atlantium Technologies (Atlantium), a global leader in UV treatment solutions for municipal and industrial applications based in Israel has leveraged their technical know-how and proven ability to deliver a disruptive best-in-class UV solution with the introduction of their Purestream™ BWMS through their subsidiary Atlantium Marine. Atlantium is represented in Greece by PROTISTON, a company that was established in mid-90s to service the spare parts needs for 2-stroke/4-stroke, air compressors, water generators and other ship equipment.

With more than 25 years of experience meeting the needs of the local Greek market, PROTISTON organised a technical presentation for the introduction of Purestream™ Ballast Water Management System, key industry stakeholders were invited to learn more about this innovative solution.

Mrs. Magda Liora, Managing Director of Protiston and Mr. Yariv Abramovich, CEO of Atlantium, opened the meeting and introduced Atlantium's legacy and their commitment to delivering effective, environmentally friendly UV solutions that enhance the biosecurity of our waterways since 2003. With more than 3,000 installations globally, Atlantium is very much focused on delivering solutions that protect natural resources and public health with trust and reliability. For more than 15 years, the company has been providing proven and effective non-chemical AIS solutions. This experience has been put into the development of the novel Purestream™ BWMS.



Atlantium's Purestream_BWMS



Mr. Yariv Abramovich, CEO of Atlantium Technologies Ltd.

The speakers explained the system's unique concepts of minimal holding time (IMO & USCG) & ONE PASS Treatment (IMO).

Mr. Ulf Hallberg, Sales & Bus. Development Manager of Atlantium explained how the Purestream™ complies with the stringent regulations that came into effect in 2017 with full implementation by 2024. He also marked that operational parameters and pricing are crucial for the selection of a BWMS.

Purestream™ validation is performed by Lloyds Register as the independent Laboratory and NIVA as the testing facility. Atlantium's Ballast Water disinfection technical knowhow results from intensive R&D. Atlantium meets the market needs for validation, installation, flexibility and ease operation.

Purestream™ is in advanced stages for IMO D-2 and USCG validation and is a chemical-free system. Purestream system is being validated to operate at minimum retention times (<24 hours) following treatment of 100% of the maximum flow under difficult water conditions.

For the IMO, the Purestream technology has demonstrated a mode of operation that enables one-pass treatment. As a result, operation of the Purestream system is only required during ballasting and there are no requirements for water treatment during de-ballasting. This unique attribute reduces the overall power consumption by 50% when compared to traditional UV systems while doubling the unit's reliability. The system is expected to have full approval by the USCG in December 2019. Purestream can effectively handle UVT of 40% without increasing the power consumption.

Finally, Mr. Ytzhak Rozenberg, CTO of Atlantium referred to UV Dose function, a key element for UV apparatus to control the ballasting process.

Purestream's innovative dose-control sets the required ballasting time in advance while automatically maintaining the process "on-spec" at all times.

In conclusion, the Purestream™ ballast water management system is a proven and effective alternative to chemical-based treatment technologies for the treatment of regulated organisms. Purestream systems are globally supported and spare parts such as UV lamps and filter elements are readily available.



Mr. Ytzhak Rozenberg, CTO of Atlantium Technologies Ltd.



Mr. Ulf Hallberg, Sales & Bus. Development Manager of Atlantium Technologies Technologies Ltd.



Mrs. Magda Liora, Managing Director of Protiston

Free Manual PDF downloaded from: https://watersoftenerplus.com/manuals/_pdf//manual.pdf
Back to product page: https://watersoftenerplus.com