

**Press release**

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## Nijhuis Saur Industries and Vortech Water Solutions announce strategic partnership for new generation aeration system

**Münich, May 6 – Vortech and Nijhuis Saur Industries (NSI), part of the Saur Group, today announced a European-wide distribution agreement to make Vortech’s Vortex Powered Aeration (VPA™) technology available to industrial Dairy and Pulp & Paper wastewater treatment customers across Europe.**

This partnership brings together NSI’s extensive wastewater treatment process knowledge and project delivery experience with Vortech’s patented VPA™ system, which uses cyclonic flow to bring water to air in a fundamentally different way, improving aeration and mixing performance. At a time when the water industry faces stricter discharge and emission requirements, rising energy costs and increasing pressure to optimize existing assets, the VPA offers a robust and reliable solution, combining high oxygen transfer efficiency with low energy consumption and stable biological performance. As such, the VPA™ technology has become an integral part of NSI’s global portfolio.

Vortech Water Solutions was recently selected as one of the winners of UpLink – World Economic Forum and HCL Group’s Water Resilience Challenge, highlighting the international relevance and scalability of its aeration technology and reinforcing the momentum behind this collaboration.

### **VPA™: an advanced approach to wastewater biological treatment**

Developed using advanced vortex dynamics, the Vortex Powered Aerator stands out for its high aeration efficiency, significantly lower operational costs, reduced emissions and flexible integration into both new installations and brownfield upgrades. Installation of the VPA™ can be carried out while the treatment process remains operational. In retrofit applications, the technology has demonstrated energy savings of up to 30%, depending on site-specific conditions and system configuration, compared to conventional aeration systems, while maintaining stable and reliable biological performance. These benefits have already been demonstrated in multiple projects.

Within NSI water solutions portfolio, the VPA™ strengthens and complements NSI’s aerobic biological treatment offering. NSI will lead the commercial introduction of the technology in Europe and key global markets such as Paper & Pulp and Dairy. Through this partnership, NSI further strengthens its position as a global provider of energy efficient water solutions.

Together, Nijhuis Saur Industries and Vortech Water Solutions will work to provide complete wastewater treatment solutions that meet the evolving needs of customers across Europe. Both companies also see the partnership as a platform for ongoing collaboration, with the combined offering expected to improve further over time as the relationship develops and both teams continue working together to further revolutionize the wastewater treatment process.

### **Niall Doran - CEO Vortech said:**

“Partnering with Nijhuis Saur Industries is a major milestone for Vortech. It further validates the strength of our technology and gives us a powerful platform to scale VPA™ across Europe with a partner that brings deep process expertise, customer reach, and delivery capability. Together, we believe we can help shape the future of wastewater treatment by delivering solutions that are more efficient, more practical, and better suited to the demands of modern treatment systems.”

**Menno M. Holterman - CEO Nijhuis Saur Industries (NSI) commented:**

“Our partnership with Vortech marks an important step in strengthening resilient and energy-efficient water treatment solutions. The Vortex Powered Aerator delivers direct operational benefits, including lower energy consumption, reduced emissions and stable biological performance. By integrating this proven and scalable technology into Nijhuis Saur Industries’ portfolio, as part of the Saur Group, we support customers throughout the entire lifecycle — improving reliability, optimizing performance and reducing operational risk.

This partnership strongly reflects our #MissionWater commitment: giving water the value it deserves and making it more resilient while helping our customers in closing the water loop”

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**About Vortech Water Solutions | [www.vortechws.com](http://www.vortechws.com)**

Vortech Water Solutions is an Irish wastewater treatment company developing and delivering innovative, cost-effective solutions to address the world’s leading water and wastewater challenges. Headquartered in Galway, Vortech is focused on accelerating the deployment of wastewater treatment capacity while reducing lifecycle costs, energy consumption and carbon emissions for municipal and industrial customers.

At the core of Vortech’s offering is its patented Vortex Powered Aeration™ (VPA™) technology, a new class of wastewater aeration and mixing system that uses cyclonic flow to bring water to air, delivering high and sustained in-process oxygen transfer. Designed for both new installations and retrofit applications, VPA™ enables practical, low-risk upgrades to existing wastewater treatment infrastructure while supporting more robust, efficient and sustainable biological treatment.

**About Nijhuis Saur Industries (NSI) | [www.nijhuissaurindustries.com](http://www.nijhuissaurindustries.com)**

Founded in 1904, Nijhuis Saur Industries provides solid and adaptive solutions for sustainable and resilient water use, energy- and resource recovery. Since the inception of Saur’s Industrial Water platform in 2020 more than 14 companies have been successfully acquired and integrated into a global operating company supporting municipal and industrial clients in over 140 countries with engineering and consultancy services, EPC / DBFOM project execution, mobile water solutions and O&M site services. With an extensive portfolio of innovative technologies and game-changing solutions, including dedicated Global Technology Centers such as Coldep for advanced separation and micropollutant removal, Nijhuis Saur Industries deliver local, scalable, and circular water-on-demand solutions to more than 7.000 references worldwide.

NSI’s purpose is to be an advocate for water, ensuring everyone gives water the value it deserves. With our unique Customer for Life approach, we protect water resources, contribute to the water-, energy-, waste- and food transition, and help to restore and close the water loop. We call it #MissionWater.