Press release
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Axine Water Technologies

PFAS Resolve, another gamechanger introduced at IFAT 2026: from PFAS removal to sustainable on-site destruction

Doetinchem, April 29, 2026 – Nijhuis Saur Industries (NSI), part of Saur Group, presents PFAS Resolve at IFAT 2026. PFAS Resolve is a Saur Group solution: a modular treatment concept combining advanced concentration and destruction technologies to address the full spectrum of PFAS contamination directly on site.

PFAS Resolve integrates selective PFAS concentration using VAL Foam Fractionation (VFF) technology from Coldep with electrochemical oxidation (EOx) powered by Axine Water Technologies' electraCLEAR™ platform. Together, these complementary technologies enable a complete treatment solution that can achieve high levels of PFAS destruction, while supporting closure of the PFAS water loop.

PFAS contamination remains one of the most complex challenges in water treatment today. While many conventional technologies successfully remove PFAS from water, they typically transfer the problem to secondary waste streams such as spent activated carbon, ion exchange resins or concentrations that require off-site disposal or incineration. PFAS Resolve takes a fundamentally different approach by enabling on-site concentration and destruction.

"*PFAS Resolve is designed to not only remove PFAS from water, but to permanently destroy it*," says **Yannick Severin, Global i-CONSULT manager -** Nijhuis Saur Industries. "*By combining efficient concentration with on-site destruction, we avoid long-term liabilities, transport risks and dependency on scarce incineration capacity.*"

From removal to true PFAS destruction
At the core of PFAS Resolve lies the combination of complementary technologies:

1-VAL Foam Fractionation (VFF)

Developed by Coldep (part of NSI), selectively concentrates mid- and long-chain PFAS by exploiting their surface-active properties. The technology operates with low energy demand and minimal chemical consumption, producing a highly concentrated PFAS stream. It can process any type of water, such as groundwater, (industrial)wastewater, RO-concentrates, ion exchange regenerates etc.

"*Vacuum foam fractionation transforms PFAS treatment from a removal step into a true concentration solution," explains* ***Sébastien Latz, CEO of Coldep, part of NSI****. By generating very high bubble surface area under vacuum and producing very dry foam, we achieve orders-of-magnitude volume reduction with lower air demand and footprint than conventional systems. This makes downstream PFAS destruction significantly more practical and cost-effective*"

2-Electrochemical Oxidation (EOx)

Powered by Axine's electraCLEAR™ technology, EOx destroys PFAS at the molecular level under ambient conditions without generating secondary solid or liquid waste streams. The process enables efficient and reliable destruction of even short- and ultra-short-chain PFAS compounds that are traditionally difficult to treat.

"*ElectraCLEAR™ is built for complex streams containing PFAS, active pharmaceutical ingredients, and other persistent organics that conventional and AOP-based treatments often struggle to fully destroy. Our advanced catalyst materials enable direct and indirect oxidation pathways, delivering efficient destruction across long-, short-, and ultra-short-chain PFAS.*

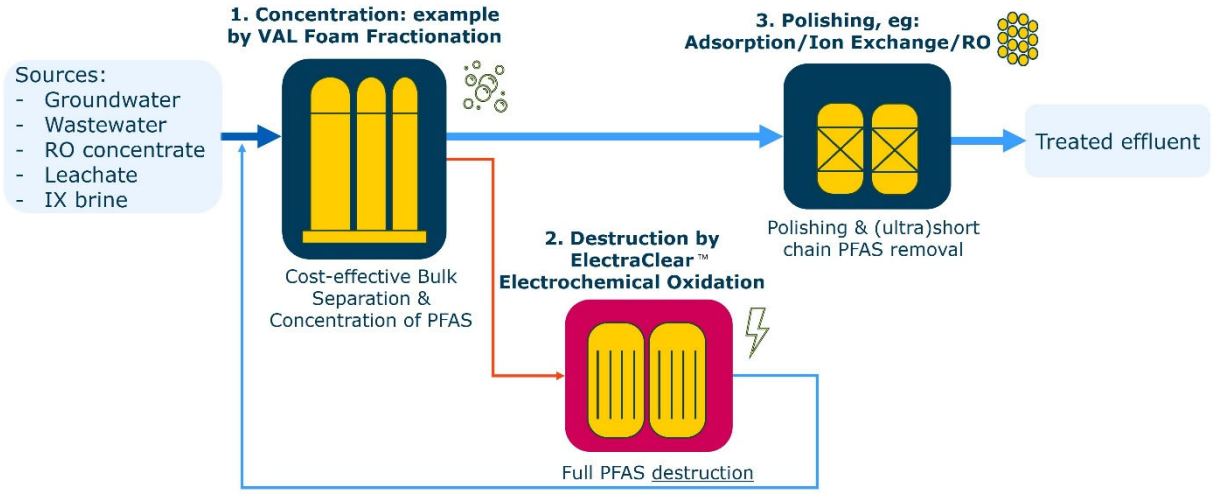
Backed by our experience across hundreds of waste streams and proven commercial operation since 2017, we partner with customers to optimize the full treatment approach—ensuring reliable performance, economic viability, and long-term compliance in an evolving regulatory landscape. Our systems are modular and highly automated, designed to scale with changing wastewater conditions and evolving treatment objectives, providing a flexible, future-ready solution."

Andrew Mrasek, Chief Revenue Officer at Axine Water Technologies

3-Smart Polishing

Where required, polishing technologies such as regenerable ion exchange, granular activated carbon (GAC) or reverse osmosis (RO) can be integrated to meet more stringent discharge or reuse targets. Concentrations generated during polishing can be recirculated into the VFF-EOx treatment train, further supporting closed-loop PFAS management.

Together, these building blocks enable economical on-site PFAS destruction once sufficient concentration is achieved, representing a key differentiator compared with standalone destruction technologies.



A gamechanging and viable alternative to incineration

PFAS Resolve provides a compelling alternative to traditional off-site incineration routes, which are increasingly constrained by limited capacity, logistical complexity, regulatory uncertainty and volatile operating costs. By enabling localized treatment and dramatically reducing concentrate volumes, PFAS Resolve delivers significantly lower lifecycle costs per ton of PFAS concentrate while improving operational resilience.

The modular design allows the solution to be tailored to different water matrices, including groundwater, industrial wastewater, landfill leachate and RO concentrates and deployed as either permanent installations or mobile treatment systems.

Supported by consultancy and pilot testing

PFAS Resolve is backed by NSI's Lifecycle Services and i-CONSULT capabilities, covering technology selection, bench-scale validation, pilot testing and full-scale implementation.

Several industrial clients are currently testing PFAS Resolve technologies under real operating conditions as part of structured decision-making programs toward full-scale deployment. Existing full-scale references span sectors including waste management, chemicals and semiconductors.

"*PFAS challenges are highly site-specific*," adds **Yannick Severin**. "*Our role is to combine technology, data, operational and regulatory insight to deliver solutions that are technically robust, economically viable and future-proof*."

Launch at IFAT 2026

Visitors to IFAT are invited to discover PFAS Resolve at the NSI booth (***Hall A3, booth 251***), where the full solutions portfolio, including concentration, polishing and destruction technologies, will be presented as an integrated treatment concept.

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About Axine Water Technologies | www.axinewater.com

Axine Water Technologies is a global leader in electrochemical oxidation (EOx) for industrial wastewater treatment. Its electraCLEAR™ platform enables cost-effective, on-site destruction of PFAS, pharmaceuticals, solvents, and other persistent organic contaminants—eliminating the need for off-site disposal and secondary waste streams. Proven at commercial scale since 2017, Axine systems are deployed across multiple industries, helping customers meet evolving regulatory requirements while reducing operational risk and long-term liability. Axine offers capital, service, and hybrid delivery models backed by performance commitments, delivering predictable long-term costs while shifting performance and financial risk to a proven operating partner.

About Nijhuis Saur Industries (NSI) | 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.

About Saur

Saur is an international water services company, specializing in the design, operation, and optimization of infrastructure for local authorities and industrial clients. The Group operates across the entire water cycle, with a strong focus on operational performance, continuity of service, and the sustainable management of resources.

In 2024, Saur became the first company in the sector to issue blue bonds, positioning the Group at the forefront of sustainable finance applied to environmental infrastructure.

In 2025, the Group generated revenue of over €2.3 billion and employs 15,000 people in more than 25 countries, including Saudi Arabia, Cyprus, Spain, the United States, Finland, France, Italy, the Netherlands, Poland, Portugal, Qatar, and the United Kingdom.

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