

PRESS RELEASE

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INEXA and IonClear Form Alliance to Deliver Smarter, More Sustainable Desalination and Water Reuse Solutions

Partnership combines engineering expertise and advanced membrane technology to maximize water recovery, minimize waste, and improve reliability.

(Las Palmas, Spain / Casablanca, Morocco / Sunnyvale, CA) – INEXA Aqua Services SL, a consulting leader in engineering and seawater desalination plant design and performance optimization, and IonClear, a global innovator in reverse osmosis (RO) and nanofiltration (NF) membrane technology, today announced a strategic alliance to deliver high-efficiency water treatment systems for desalination, reclamation, and reuse applications worldwide.

Drawing on more than two decades of engineering and operational expertise, the partnership will focus on designing and building systems that help operators produce more clean water with less energy, extend equipment life, and reduce environmental impact. These systems are engineered to meet the wide range of specifications required by varying feedwater conditions, whether seawater, brackish sources, or industrial process water.

Integrated Capabilities for Greater Impact

By combining INEXA's ROPTIMAX, 20+ years of expertise in desalination plant design and RO process optimization, and IonClear's advanced RO/NF membrane technology, the alliance delivers a rare combination of capabilities supporting customizable, performance-based system design and build.

"By uniting our strengths, we are not just improving large-scale desalination projects, we are redefining its economics and scalability," said Fernando J. Suárez Pérez, CEO of INEXA. "These water solutions are not only more efficient, but also more adaptable to the unique demands of each location and application."

This integrated approach supports sustainable water management through recycling, reclamation, and reuse, ensuring that more water is recovered from the same resources while reducing waste streams and moving towards a zero liquid discharge (ZLD) future.

Proven Performance Benefits

Early-stage data from joint projects shows:

- **15–20% reduction in energy consumption**, lowering the single largest operating cost for plant owners.
- **Up to 40% increase in membrane lifespan**, reducing replacement frequency and associated downtime.

- **Significantly lower unplanned outages**, improving production consistency and operational reliability.

“This alliance accelerates our vision of maximizing water recovery and minimizing waste,” said Cady Yu, CEO of IonClear. “With integrated design, engineering, and production capabilities, we can offer a level of system optimization few, if any, in the market can match.”

At scale, these gains can deliver multi-million dollar annual operating savings for large facilities, while reducing environmental impact, resulting in accelerated payback periods and stronger long-term ROI.

IonClear will launch a new, innovative water treatment design web-based software in the third quarter of 2025, further supporting engineers and operators with advanced planning and optimization tools.

Strong Growth Across Global Water Markets

According to industry reports, the global desalination market, valued at \$18.1 billion in 2025, is projected to grow at a 9.1% CAGR, reaching \$28 billion by 2030. Beyond seawater desalination, the technologies and expertise behind this alliance also apply to large-scale seawater desalination, brackish water treatment, industrial process water reuse, municipal water recycling, and ZLD systems. These sectors are part of the broader \$390+ billion global water and wastewater treatment market, projected to grow at 6-7% annually through 2023.

About the Strategic Alliance Partners

INEXA Aqua Services SL

Based in Las Palmas, Spain supported by a subsidiary in Casablanca, Morocco, [INEXA](#) is a specialized environmental engineering firm with 20+ years of expertise in water treatment and desalination technology. Its multidisciplinary team delivers innovative solutions focused on energy efficiency and sustainability in water management systems worldwide.

IonClear

[IonClear](#) is a U.S.-based membrane technology company in Silicon Valley, delivering high-performance reverse osmosis (RO) and nanofiltration (NF) membranes for water reuse treatment and resource recovery worldwide. Their durable membranes drive efficiency in seawater desalination, industrial wastewater reuse, lithium recovery, and more, with minimum liquid discharge for a more sustainable future.

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Photo Captions



Photo: Water-treatment-plant+logos.png

The new alliance between INEXA and IonClear will support a customizable, performance-optimized approach to the design and build of water treatment operations worldwide.



Photo: Ariel view of water treatment plant.jpg

INEXA and IonClear unite to advance sustainable water treatment across the globe.

