

Water Recycle and Reuse Market Set to Reach USD 38.77 Billion by 2032 Amid Global Sustainability Initiatives

Rising water scarcity due to urbanization, population growth, and climate change is driving global adoption of water recycling and reuse for sustainability.

AUSTIN, TX, UNITED STATES, February 26, 2025 /EINPresswire.com/ -- The SNS Insider report indicates that the <u>Water</u> <u>Recycle and Reuse Market</u> Size was esteemed at USD 16.12 billion in 2023 and is supposed to arrive at USD 38.77 billion by 2032 with a growing CAGR of 10.24% over the forecast period 2024-



2032. The escalating global water scarcity, coupled with stringent environmental regulations and technological advancements, is driving the robust growth of the water recycling and reuse market.

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Key Players:

- Veolia Water Technologies (Water treatment plants, Membrane filtration)
- Evoqua Water Technologies (UV disinfection, Electro-deionization)
- Kubota Corporation (Membrane bioreactors, Sludge treatment systems)
- SUEZ Water Technologies & Solutions (Reverse osmosis systems, Ultrafiltration)
- Hitachi Ltd. (Industrial wastewater treatment, Smart water management)
- Fluence Corporation Limited (Decentralized water treatment, MABR systems)
- Siemens Energy (Water purification, Zero liquid discharge systems)
- Dow Chemical Company (Ion exchange resins, Reverse osmosis membranes)
- Alfa Laval (Wastewater separation technology, Heat exchangers)
- Melbourne Water (Water recycling infrastructure, Stormwater harvesting)
- Pentair (Water softeners, Filtration systems)

- Xylem Inc. (Advanced oxidation, Smart water analytics)
- Aquatech International (Desalination, Zero liquid discharge)
- Toray Industries (Membrane filtration, Nanofiltration)
- Mitsubishi Chemical Aqua Solutions (Biological treatment, Water purification)
- BASF (Chemical treatment solutions, Water reuse additives)
- OriginClear (Modular water treatment, Electro-coagulation)
- Ovivo Inc. (Clarifiers, Membrane filtration systems)
- IDE Technologies (Thermal desalination, Brine concentration)
- Ecolab (Industrial water recycling, Smart monitoring solutions)

Filtration Leads the Water Recycle and Reuse Market as Industries and Municipalities Drive Demand for Large-Scale Systems

By Equipment: The filtration segment dominated the market, holding over 38% share. Such as sand, membrane & activated carbon filtration systems which are used to remove the impurities from wastewater, which improves the quality of wastewater and makes it reusable for various industrial & municipal applications. So advanced filtration technologies such as reverse osmosis and ultrafiltration which provide higher efficiency at a lesser cost are gaining high demand.

By Capacity: The >100,001 L segment led the market with a share exceeding 34% in 2023, due to increased demand from large industries and municipalities. These are important bulk systems catering to wastewater treatment plants, industrial consumers, and commercial complexes with major water recycling needs. This segment is also expected to witness increasing growth due to the establishment of centralized water treatment facilities along with complementary government policies promoting large-capacity water reuse projects.

By End-Use Industry: The Industrial Segment accounted for over 48% of the market share in 2023, the industrial segment reflects the growing need for sustainable water management across sectors such as manufacturing, power generation, chemicals, and textiles. Nevertheless, large quantities of wastewater are produced by industries, which in turn demand effective recycling and reuse systems owing to strict environmental regulations along with driving off units that need large volumes of freshwater. The increasing investment in closed-loop water recycling technologies to reduce discharge and reduce operating costs.

Asia-Pacific Dominates Water Recycle and Reuse Market as North America Emerges as the Fastest-Growing Region

Asia-Pacific led the water recycle and reuse market in 2023 with over 38% share, the Asia-Pacific region's dominance is attributed to rapid urbanization, industrial expansion, and escalating water scarcity. Countries such as China and India are strictly towards wastewater treatment and reuse. Investments by the government in water infrastructure, as well as smart water management systems to reduce losses and leaks across several water distribution networks, have propelled market growth. Factoring in the heightened water thirst of the agricultural sector

across the region, this has been further driving the requisite of implementing water recycling technologies, in an attempt to address apprehensions about the dearth of freshwater supply and establishing sustainable water management practices in the region.

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North America experiencing the fastest growth in the water recycling and reuse market, North America's expansion is driven by increasing concerns over water shortages and stringent environmental regulations. The U.S. and Canada are heavily investing in advanced water treatment technologies, such as membrane filtration and reverse osmosis, to enhance water reuse capabilities. The rising industrial demand for sustainable water solutions, coupled with the adoption of decentralized water treatment systems, fuels market expansion. The rapid growth is also driven by governmental policies and incentives to encourage the reuse of treated wastewater in industries and municipalities. Increased consumer and commercial awareness of the benefits of water recycling coupled with climate change-induced droughts are fast-tracking market development in North America.

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