

Water Recycle and Reuse Market by Equipment (Primary Equipment, Secondary Equipment, Tertiary Equipment), Capacity (<25,000 Liters, 25,001 to 50,000 Liters, 50,001 to 100,000 Liters, Above 100,000 Liters), End Use (Residential, Commercial, Industrial), and Water Sources (Municipal Wastewater, Industrial Wastewater) - Global Forecast to 2030

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Report description:

The water recycle and reuse market is projected to grow from USD 17.89 billion in 2025 to USD 29.61 billion by 2030, registering a CAGR of 10.6% during the forecast period. The increasing demand for water recycle and reuse is fueled by the effects of climate change, shrinking freshwater availability, and the need for long-term water security. Increasing urban populations and pressure on existing infrastructure are forcing municipalities and industries to implement better water management practices. Treatment systems are becoming more compact, affordable, and user-friendly, driven by advancements in technology and the growing demand for stricter environmental regulations and sustainability commitments. This trend is encouraging increased adoption of water reuse practices. In all three end-use sectors (residential, commercial, and industrial), water reuse is on the rise. Residential users are reusing water for landscaping and flushing toilets, commercial users are using it for cooling and cleaning, and industries are utilizing it as process water. These three sectors play a crucial role in market growth.

<https://www.marketsandmarkets.com/Images/water-recycle-reuse-market-Overview.webp>

"Tertiary equipment is projected to register the fastest growth in the water recycle and reuse market in terms of value."
Tertiary equipment is the fastest-growing segment of the water recycle and reuse market, primarily due to the increasing demand

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for advanced treatment solutions. Applications for water reuse, such as industrial cooling, boiler feedwater, and both direct and indirect potable reuse, are rapidly expanding and require ultra-clean water purification. Tertiary treatment processes, including membrane filtration, ultraviolet (UV) disinfection, activated carbon, and ion exchange, effectively remove fine suspended solids, nutrients, pharmaceuticals, and other micropollutants. This is particularly important in regions with stringent water quality regulations and significant water scarcity. The rising emphasis on resource conservation, sustainable water use, circular economy practices, and zero-discharge initiatives is also driving the demand for tertiary systems that maximize water recovery.

"50,001 to 100,000 liters segment will register the fastest growth in the water recycle and reuse market in terms of value." The 50,001 to 100,000 liters segment is projected to register the fastest growth in the water recycling and reuse market during the forecast period. This capacity range is well-suited for medium to large-scale applications, including industrial, commercial, and municipal uses. It strikes a balance between scalability and cost, making it an ideal solution for manufacturing plants, commercial complexes, universities, colleges, and mid-sized communities looking to promote sustainable operations. As many regions tighten environmental regulations and face increasing freshwater scarcity, numerous organizations are beginning to implement decentralized water reuse systems within this capacity range. These systems enhance water use efficiency and reduce wastewater discharge. Additionally, government incentives and public-private partnerships are driving and supporting the adoption of decentralized water reuse systems, particularly in urban and peri-urban areas.

"Industrial wastewater segment is projected to register the fastest growth in the water recycle and reuse market in terms of value."

Industrial wastewater is the fastest-growing segment of the water recycling and reuse market, driven by industrialization, increasing water consumption, and pressures from policies aimed at reducing freshwater use. Industries such as textiles, chemicals, oil and gas, food processing, and power generation generate large volumes of wastewater. If left untreated, this wastewater can threaten the environment and deplete freshwater resources in local communities. In response to these challenges, industries are increasingly viewing wastewater recycling as a cost-effective and sustainable solution. By recycling their wastewater, companies can lower water procurement costs, maintain operations in water-scarce areas, and comply with environmental regulations and standards. Recent advancements in treatment technologies, including ultrafiltration, reverse osmosis, and biological treatment systems, are making the treatment of complex industrial wastewater more manageable.

"Industrial segment is projected to register the fastest growth in the water recycle and reuse market in terms of value." The industrial end-use segment is the fastest-growing sector in the water recycle and reuse market. This growth is driven by the increasing demand for water in manufacturing, chemicals, textiles, food and beverage, and energy-related industries. As industrial activity expands globally, particularly in emerging economies, the consumption of freshwater is rising significantly. To address this challenge, industrial water users are implementing water recycling systems to treat their wastewater for on-site reuse. This not only helps them meet environmental regulatory requirements but also reduces their reliance on municipal water supplies. Companies are adopting these systems to lower costs associated with water procurement and disposal, support sustainability efforts, and ensure long-term access to fresh water. Increased public scrutiny and regulatory pressures regarding industrial water usage have also led to investments in new and advanced treatment technologies.

"Middle East & Africa is the fastest-growing market for water recycle and reuse."

The Middle East & Africa is the fastest-growing market for water recycle and reuse due to extreme water scarcity, urbanization, and industrial demand. Countries such as Saudi Arabia, the UAE, and South Africa face significant water stress and rely on

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non-conventional water sources to meet their needs. Governments in these regions are making substantial investments in advanced infrastructure and treatment technologies to ensure long-term water security. As mega infrastructure projects continue to develop, populations increase, and demand from sectors such as oil & gas, chemicals, and manufacturing expands, the need for sustainable water management is also rising. This shift is exemplified by initiatives like Saudi Arabia's Vision 2030 and the UAE's Water Security Strategy 2036, where reusing wastewater is a key element of national strategy. The adoption of new technologies, such as membrane bioreactors, reverse osmosis, and smart water systems, is expected to grow rapidly, positioning this region as a focal point for growth in the global water recycling and reuse market.

In-depth interviews were conducted with chief executive officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the water recycle and reuse market, and information was gathered from secondary research to determine and verify the market size of several segments.

-□By Company Type: Tier 1 - 50%, Tier 2 - 30%, and Tier 3 - 20%

-□By Designation: Managers - 15%, Directors - 20%, and Others - 65%

-□By Region: North America - 30%, Europe - 25%, Asia Pacific - 35%, the Middle East & Africa - 5%, and South America - 5%

The water recycle and reuse market comprises major players such as Veolia (France), Xylem (US), Ecolab Inc. (US), Fluence Corporation Limited (US), DuPont (US), Hitachi, Ltd. (Japan), KUBOTA Corporation (Japan) ALFA LAVAL (Sweden), Melbourne Water (Australia), and Siemens (Germany). The study includes an in-depth competitive analysis of these key players in the water recycle and reuse market, with their company profiles, recent developments, and key market strategies.

Research Coverage

This report segments the market for water recycle and reuse market on the basis of equipment, capacity, end use, water source, and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, and expansions associated with the water recycle and reuse market.

Key benefits of buying this report

This research report is focused on various levels of analysis ? industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view of the competitive landscape; emerging and high-growth segments of the water recycle and reuse market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

-□Analysis of drivers: (rising pressure on freshwater resources and growing water scarcity boost demand for recycled water solutions), restraints (high cost of installation of water recycling equipment), opportunities (corporate water stewardship initiatives creating new growth opportunities for water reuse), and challenges (health and safety concerns) influencing the growth of the water recycle and reuse market.

-□Market Penetration: Comprehensive information on the water recycle and reuse market offered by top players in the global water recycle and reuse market.

-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, product launches, expansions, collaborations, acquisitions, and partnerships in the water recycle and reuse market.

-□Market Development: Comprehensive information about lucrative emerging markets. The report analyzes the water recycle and reuse market across regions.

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-□Market Capacity: Recycling capacity of the companies are provided wherever available with upcoming capacities for the water recycle and reuse market.

-□Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the water recycle and reuse market.

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