

Global Secondary Water and Wastewater Treatment Equipment Market Size Study & Forecast, by Technology, Purpose, Design, Capacity, Control System, and Regional Forecasts 2025-2035

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Abstracts

The Global Secondary Water and Wastewater Treatment Equipment Market is valued at approximately USD 13.25 billion in 2024 and is projected to expand at a robust CAGR of 5.69% over the forecast period 2025–2035. With environmental stewardship becoming a strategic imperative across industries and municipalities, the focus has sharply pivoted toward advanced wastewater treatment methods—particularly secondary treatment systems that efficiently remove dissolved and suspended biological matter. These systems, which employ biological processes like activated sludge and trickling filters, serve as an indispensable line of defense against waterborne contaminants and are pivotal in restoring water to a reusable or discharge-ready state. As the global population accelerates urbanization and industries intensify their water dependency, the market for scalable and energy-efficient secondary treatment equipment continues to gain powerful momentum.

The evolving dynamics of water governance and stringent regulatory mandates are reinforcing the need for optimized and resilient secondary treatment infrastructure. From industrial parks to urban utilities, players are increasingly deploying membrane bioreactors and sequencing batch reactors to enhance effluent quality while minimizing ecological footprints. Furthermore, innovations in automation and digital controls—ranging from semi-automated to fully integrated SCADA systems—are revolutionizing operational reliability and data-driven process management. Another defining trend is the transition toward modular and upgradable treatment systems, offering greater flexibility for decentralized operations and future capacity enhancements. The push for circular water economies and industrial water reuse also

opens lucrative avenues for equipment manufacturers catering to zero liquid discharge (ZLD) objectives.

Regionally, North America captured a dominant share of the market in 2024, fueled by modernized infrastructure, high per capita water usage, and strong regulatory oversight under bodies like the EPA. The United States, in particular, is spearheading wastewater infrastructure upgrades supported by federal stimulus and green funding initiatives. Meanwhile, Europe remains a front-runner in adopting next-generation technologies thanks to the EU Water Framework Directive and ambitious sustainability goals across member states. However, Asia Pacific is poised to outpace other regions in growth terms, underpinned by aggressive urban expansion, surging industrial output, and heightened water scarcity in megacities across China, India, and Southeast Asia. Infrastructure buildouts, paired with smart-city deployments and public-private partnerships, are actively steering the region's wastewater treatment capabilities into a new era of efficiency and scalability.

Major market player included in this report are:

Evoqua Water Technologies

Veolia Environnement S.A.

Xylem Inc.

SUEZ SA

Pentair plc

Kurita Water Industries Ltd.

DuPont de Nemours, Inc.

Hitachi Zosen Corporation

Thermax Limited

IDE Technologies Ltd.

AECOM

Huber SE

Aquatech International LLC

Toshiba Water Solutions

Ecolab Inc.

Global Secondary Water and Wastewater Treatment Equipment Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Technology:

Activated Sludge Process

Membrane Bioreactors

Trickling Filters

Sequencing Batch Reactors

By Purpose:

Municipal Wastewater Treatment

Industrial Wastewater Treatment

Water Reuse

By Design:

Packaged Equipment

Custom Engineered Systems

Upgradable Systems

By Capacity:

Small Scale (less than 1 MGD)

Medium Scale (1–10 MGD)

Large Scale (over 10 MGD)

By Control System:

Manual Control

Semi-Automated Control

Fully Automated Control

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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