

Packaged Wastewater Treatment Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global packaged wastewater treatment market size reached US\$ 18.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 32.4 Billion by 2028, exhibiting a growth rate (CAGR) of 10.5% during 2023-2028.

Packaged wastewater treatment (PWWT) refers to the process of treating sewage or industrial wastewater using a pre-engineered and self-contained facility. It involves the removal of coarse solids and grit using large filtering screens, followed by skimming of organic and inorganic sediments found in oil, grease and lighter solids. In the following steps, secondary or biological sludge is formed by mixing the deposits, which are separated from the water to remove any remaining micro-organisms. This treated wastewater is then chemically or physically disinfected through lagoons and microfiltration and is further discharged into the environment (waterbodies or plains) or reused for industrial processes.

The market is primarily being driven by rapid industrialization, which has led to a growing demand for cost-effective and low maintenance decentralized wastewater treatment plants. Industries, such as chemical, pharmaceutical, oil and gas and food and beverage extensively utilize PWWT systems for processing and re-using large water volumes in their industrial processes and minimizing the unwanted liquid discharge into the environment. Furthermore, various technological advancements in the wastewater treatment sector, such as the development of Zero Liquid Discharge (ZLD) and logistic systems for efficient waste management, are also contributing to the market growth. The increasing levels of water pollution and scarcity of clean water across the globe are also acting as another major growth-inducing factor. Increasing government investments in water treatment facilities and the widespread adoption of

PWWT in power plants to minimize water wastage are some of the other factors that are projected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global packaged wastewater treatment market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on technology and end use sector.

Breakup by Technology:

- Extended Aeration
- Moving Bed Biofilm Reactor (MBBR)
- Reverse Osmosis (RO)
- Membrane Bioreactor (MBR)
- Sequential Batch Reactor (SBR)
- Membrane Aerated Biofilm Reactor (MABR)
- Others

Breakup by End Use Sector:

- Municipal
- Industrial
- Chemical and Pharma
- Oil and Gas
- Food, Pulp and Paper
- Metal and Mining
- Power Generation
- Others

Breakup by Region:

- North America
- United States
- Canada
- Asia Pacific
- China
- Japan

India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Bio-Microbics, Inc., Clearford Water Systems Inc., Corix Group of Companies, CST Wastewater Solution, Fluence Corporation Limited, Global Treat, Inc., Organica Water, Inc., Pollution Control Systems, Inc., Smith & Loveless, Inc., Veolia Environment SA, Westech Engineering, Inc., etc.

Key Questions Answered in This Report:

How has the global packaged wastewater treatment market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global packaged wastewater treatment market?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the end use sector?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global packaged wastewater treatment market and who are

the key players?

What is the degree of competition in the industry?

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