

Tertiary Water and Wastewater Treatment Technologies Market by Type (Membrane Filtration, UV Radiation, Chlorination, Ozonization, Activated Carbon, and Ion Exchange), and Application (Municipal and Industrial) — Global Forecast to 2027

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Abstracts

The Tertiary Water and Wastewater Treatment Technologies Market by Type (Membrane Filtration, UV Radiation, Chlorination, Ozonization, Activated Carbon, and Ion Exchange), and Application (Municipal and Industrial) — Global Forecast to 2027

The research report titled “Tertiary Water and Wastewater Treatment Technologies Market by Type (Membrane Filtration, UV Radiation, Chlorination, Ozonization, Activated Carbon, and Ion Exchange), and Application (Municipal and Industrial) — Global Forecast to 2027” provides an in-depth analysis of the tertiary water and wastewater treatment technologies market across five major geographies and emphasizes on the current market trends, market size, market shares, recent developments, and forecast till 2027. The Tertiary Water and Wastewater Treatment Technologies Market is expected to reach \$35.5 billion by 2027, at a CAGR of 7.2% during the forecast period, 2020-2027.

The growth of this market is mainly attributed to the rapid population growth and urbanization, the rising need for new water resources, and the increasing prevalence of waterborne diseases are also a few of the key factors driving the growth of the tertiary water and wastewater treatment technologies market.

The study offers a comprehensive analysis of the tertiary water and wastewater treatment technologies market with respect to the type (membrane filtration {MF & UF}, reverse osmosis, UV radiation {UV & UV-H₂O₂}, chlorination, ozonization, activated

carbon {GAC & PAC}, ion exchange, electrochemical water treatment technology, and other treatment technologies), application (municipal and industrial {manufacturing, pharmaceuticals & chemicals, power, energy, pulp & paper, mining, petrochemicals, semiconductors, and other industrial applications}), and geography. The study also evaluates industry competitors and analyzes the market at the country level.

Based on type, the tertiary water and wastewater treatment technologies market is mainly segmented into membrane filtration (MF & UF), reverse osmosis, UV radiation (UV & UV-H₂O₂), chlorination, ozonization, activated carbon (GAC & PAC), ion exchange, electrochemical water treatment technology, and other treatment technologies. The membrane filtration segment accounted for the largest share of the tertiary water and wastewater treatment technologies market in 2020. The large share of this segment is mainly attributed to the rising health awareness among consumers, growing emphasis on reducing the usage of chemicals in water treatment, and effective purification and reduced cost of operations offered by membrane filtration technology. However, it is also expected to witness significant growth, as some government bodies across the globe are adopting this technology to provide safe and clean drinking water to households.

Based on application, the tertiary water and wastewater treatment technologies market is segmented into municipal and industrial. The municipal segment accounted for the largest share of the tertiary water and wastewater treatment technologies market in 2020. The large share of this segment is mainly attributed to the governments' growing focus on water quality and public health, the growing number of water treatment projects, especially in Asian countries, and the aging existing infrastructure in developed countries. However, the industrial segment is expected to grow at the highest CAGR during the forecast period. The rapid growth of this segment is mainly attributed to the growth of the industrial sector and the rising demand for water and wastewater treatments for providing clean and processed water.

Based on industrial application, the tertiary water and wastewater treatment technologies market is segmented into manufacturing, pharmaceuticals & chemicals, power, energy, pulp & paper, mining, petrochemicals, semiconductors, and other industrial applications. The manufacturing segment accounted for the largest share of the tertiary water and wastewater treatment technologies market in 2020. The large share of this segment is mainly attributed to the rapid urbanization, technological growth, and an increasing number of manufacturing units that create strong demand for processed water. However, the energy segment is expected to grow at the highest

CAGR during the forecast period. The rapid growth of this segment is mainly attributed to the rising demand for clean water and energy.

Geographically, the market is segmented into five major regions: North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa. The Asia-Pacific region is estimated to account for the largest share of the tertiary water and wastewater treatment technologies market in 2020. The large share of this region is primarily attributed to the increasing population, rising demand for advanced residential water treatment, development of membrane technology, increased environmental deterioration, the declining availability of clean water, increasing public-sector investments in water infrastructure, and increasing research & development expenditures.

The key players operating in the tertiary water and wastewater treatment technologies market are Suez Environment S.A. (France), Veolia Environment SA (France), Xylem, Inc. (U.S.), DuPont de Nemours, Inc. (U.S.), Evoqua Water Technologies Corporation (U.S.), 3M Company, Inc. (U.S.), Pentair plc (U.K.), Calgon Carbon Corporation (U.S.), Kurita Water Industries, Ltd. (Japan), Bio-Microbics, Inc. (U.S.), ASIO, spol. s r.o. (Czech Republic), Scinor Water America, LLC (U.S.), Elgressy Engineering Services Ltd. (Israel), Outotec Oyj (Finland), Blue Eden CleanTech Solutions, Inc. (Canada), Membracon Ltd. (U.K.), Lamor Corporation Ab (Finland), and Ozone Tech Systems (Sweden).

Key Questions Answered in the Report-

Which are the high-growth market segments in terms of type, application, and geography?

What is the historical market size for the tertiary water and wastewater treatment technologies market?

What are the market forecasts and estimates for the period 2020-2027?

What are the major drivers, restraints, opportunities, and challenges in the tertiary water and wastewater treatment technologies market?

Who are the major players in the market, and what share of the market do they hold?

Who are the major players in various countries, and what share of the market do they hold?

How is the competitive landscape for the tertiary water and wastewater treatment technologies market?

What are the recent developments in the tertiary water and wastewater treatment technologies market?

What are the different strategies adopted by the major players in the market?

What are the key geographic trends, and which are the high-growth countries?

Who are the local emerging players in the tertiary water and wastewater treatment technologies market, and how do they compete with the other players?

Scope of the Report

Tertiary Water and Wastewater Treatment Technologies Market, by Type

Membrane Filtration (MF & UF)

Reverse Osmosis

UV Radiation (UV & UV-H₂O₂)

Chlorination

Ozonization

Activated Carbon (GAC & PAC)

Ion Exchange

Electrochemical Water Treatment Technology

Other Treatment Technologies

Tertiary Water and Wastewater Treatment Technologies Market, by Application

Municipal

Industrial

Manufacturing

Pharmaceuticals & Chemicals

Power

Energy

Pulp & Paper

Mining

Petrochemicals

Semiconductors

Other Industrial Applications

Tertiary Water and Wastewater Treatment Technologies Market, by Geography

North America

U.S.

Canada

Mexico

Europe

Germany

France

Spain

U.K.

Netherlands

Greece

Italy

Switzerland

Belgium

Denmark

Poland

Sweden

Rest of Europe (RoE)

Asia-Pacific (APAC)

China

Japan

India

Indonesia

Australia

South Korea

Malaysia

Thailand

Vietnam

Philippines

Singapore

Taiwan

New Zealand

Rest of Asia-Pacific (RoAPAC)

Latin America

Brazil

Chile

Argentina

Rest of Latin America (RoLATAM)

Middle East & Africa

Saudi Arabia

U.A.E.

Kuwait

Iran

Israel

South Africa

Rest of the Middle East & Africa (RoMEA)

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