

Global Ozone Generation Market Report and Forecast 2024-2032

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Report description:

Global Ozone Generation Market Report and Forecast 2024-2032

Market outlook

According to the report by Expert Market Research (EMR), the ozone generation market size reached a value of USD 1.67 billion in 2023. Aided by the increasing demand for efficient water and air purification systems and the growing applications of ozone generation in various sectors, the market is projected to further grow at a CAGR of 6.2% between 2024 and 2032 to reach a value of USD 2.88 billion by 2032.

Ozone generation refers to the production of ozone (O₃) gas, a powerful oxidizing agent, used in a variety of applications such as water treatment, air purification, and industrial processes. Ozone generators are devices that produce ozone by using either ultraviolet (UV) light or electrical discharge (corona discharge) methods. Ozone is effective in eliminating bacteria, viruses, and other contaminants, making it a valuable tool for ensuring clean and safe environments.

The increasing demand for efficient water and air purification systems is driving the ozone generation market growth. With the rising awareness of the importance of clean water and air for health and well-being, there has been a significant increase in the adoption of ozone generators in residential, commercial, and industrial settings. Additionally, the growing concerns over water scarcity and pollution have led to the implementation of stringent regulations and standards for water and air quality, further boosting the demand for ozone generation systems.

The expanding applications of ozone generation in various sectors also play a significant role in propelling the ozone generation market development. In the food and beverage sector, ozone is used for disinfection and sanitisation purposes, ensuring the safety and quality of products. The healthcare industry utilises ozone for sterilisation and disinfection of medical equipment and facilities. Moreover, the use of ozone in wastewater treatment plants and municipal water treatment facilities is gaining traction, owing to its effectiveness in removing contaminants and ensuring safe drinking water.

Further, the growing demand for sustainable and eco-friendly technologies has led to an increased focus on ozone generation as a viable solution for environmental protection. Ozone is a green technology that does not produce harmful by-products, making it an attractive option for various applications. This trend is expected to boost the ozone generation market expansion in the coming years consequently driving up the ozone generation market share.

North America is a significant market for ozone generation, driven by the high demand for water and air purification systems and

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the presence of stringent environmental regulations. The region's focus on sustainability and environmental protection is also supporting market growth.

Europe is a prominent region, with countries such as Germany, the United Kingdom, and France leading the adoption of ozone technology. The region's emphasis on clean water and air, along with the implementation of strict environmental standards, is driving the demand for ozone generators.

The Asia-Pacific region is expected to witness significant growth in the market, owing to the rapid industrialization, urbanization, and increasing awareness of environmental issues. Countries such as China, India, and Japan are major contributors to the market growth in this region.

As per the ozone generation market analysis, Latin America is growing steadily, driven by the increasing demand for water and air purification systems and the adoption of eco-friendly technologies. The region's focus on improving water quality and environmental protection is also supporting market growth.

Market Segmentation □

The market can be divided based on application, technology, end use, and region

Market Breakup by Application

- Wastewater Treatment
- Air Treatment
- Laboratory and Medical Equipment
- Others

Market Breakup by Technology

- Corona Discharge
- Cold Plasma
- Electrolysis
- Ultraviolet

Market Breakup by End Use

- Municipal
- Industrial
- Commercial
- Residential

Market Breakup by Region

- North America
- Europe
- Middle East and Africa
- Asia Pacific
- Latin America

Competitive landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in ozone generation market. Some of the major players explored in the report by expert market research are as follows:

- Toshiba Corporation
- Mitsubishi Electric Corporation
- Xylem Inc.
- Veolia Environnement S.A.
- Ebara Corporation
- MKS Instruments
- Primozone Production AB
- COROTEC Corporation

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- Metawater. Co., Ltd.
- Ozone Technologies and Systems India Pvt Ltd (OTSIL)
- Others

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*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

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