

Atmospheric Water Generator Market to Reach \$11.2 Billion Globally by 2031 at 9.9% CAGR

Rising water scarcity concerns, growing demand for sustainable water solutions & advancements in water generation technologies are driving global market growth.

WILMINGTON, DE, UNITED STATES, June 18, 2026 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Atmospheric Water Generator Market by Product Type, Application, and Distribution Channel: Global Opportunity Analysis and Industry Forecast, 2022–2031](#)," the global atmospheric water generator market was valued at \$4.4 billion in 2021 and is projected to reach \$11.2 billion by 2031, registering a CAGR of 9.9% from 2022 to 2031. The market is witnessing substantial growth due to increasing freshwater

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Atmospheric water generators are emerging as a sustainable solution to global water scarcity, enabling reliable access to clean drinking water across diverse environments.”

*Allied Market Research
Analyst*

scarcity, rapid urbanization, rising demand for decentralized water supply solutions, and growing awareness regarding sustainable water resource management.

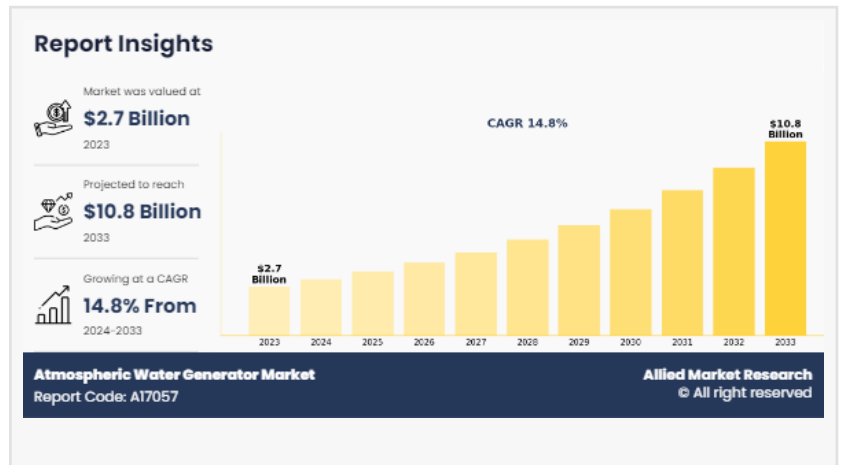
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Atmospheric water generators (AWGs) produce potable water by extracting moisture from ambient air through condensation technologies. These systems are emerging

as a viable alternative water source for residential, commercial, industrial, and military applications, particularly in regions facing water stress and limited access to clean drinking water.

Atmospheric Water Generator Market by Product Type, Application, and Distribution Channel: Global Opportunity Analysis and Industry Forecast, 2022–2031



The atmospheric water generator market is gaining momentum due to several significant growth drivers:

- > Increasing global water scarcity and freshwater shortages.
- > Rising population growth and urbanization.
- > Growing demand for sustainable and decentralized water solutions.
- > Increasing frequency of droughts and climate-related water challenges.
- > Expansion of off-grid and remote infrastructure projects.
- > Growing awareness regarding water conservation and environmental sustainability.
- > Rising investments in advanced water treatment and generation technologies.

Governments, businesses, and humanitarian organizations are increasingly exploring alternative water generation methods to address growing concerns over water availability, quality, and distribution infrastructure limitations.

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By Product Type:

The cooling condensation atmospheric water generator segment accounted for the largest market share in 2021 due to its widespread adoption, technological maturity, and ability to generate significant volumes of potable water across diverse climatic conditions.

The wet desiccation segment is expected to witness notable growth during the forecast period owing to its enhanced efficiency in low-humidity environments and increasing adoption in specialized applications.

By Application:

The industrial segment dominated the market in 2021, driven by increasing water requirements across manufacturing facilities, construction projects, mining operations, and remote industrial sites.

The commercial segment is anticipated to register significant growth as hotels, educational institutions, healthcare facilities, and office complexes increasingly seek sustainable water supply solutions.

The residential segment is also gaining traction as consumers become more conscious of water quality, supply reliability, and environmental sustainability.

By Distribution Channel:

The direct sales segment accounted for a significant share of market revenue due to customized project deployments and large-scale commercial and industrial installations.

Manufacturers are increasingly expanding their distribution networks to improve product accessibility and support growing demand across residential and commercial markets.

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North America:

North America held a significant share of the atmospheric water generator market in 2021. The region benefits from strong technological innovation, increasing adoption of sustainable infrastructure solutions, and growing investments in water security initiatives.

Demand is particularly strong across drought-prone areas and regions seeking resilient alternative water supply systems.

Europe:

Europe continues to witness increasing adoption of atmospheric water generators due to growing environmental awareness, sustainability objectives, and stringent water management regulations.

Organizations across the region are investing in innovative water generation technologies to support climate resilience and resource conservation efforts.

Asia-Pacific:

Asia-Pacific accounted for the largest market share in 2021 and is expected to maintain its dominance throughout the forecast period. Rapid population growth, urban expansion, industrial development, and increasing water stress across countries such as India, China, and Southeast Asian nations are creating significant growth opportunities.

Government initiatives focused on water sustainability and infrastructure development are further supporting regional market expansion.

LAMEA:

The LAMEA region is expected to witness substantial growth due to increasing water scarcity challenges, expanding infrastructure investments, and rising demand for alternative water generation technologies.

Countries across the Middle East and Africa are particularly investing in atmospheric water generation systems to supplement traditional water sources and improve water security.

Atmospheric water generation (AWG) systems are becoming increasingly popular in arid regions.

Several emerging trends are transforming the atmospheric water generator industry:

- > Development of energy-efficient AWG systems.
- > Integration of renewable energy sources with water generation technologies.
- > Adoption of advanced filtration and purification systems.
- > Smart monitoring and IoT-enabled water generation platforms.
- > Portable and mobile atmospheric water generation solutions.
- > Expansion of off-grid and emergency water supply applications.
- > Increased focus on sustainable infrastructure and resource management.
- > Research into next-generation condensation and desiccant technologies.

Manufacturers are increasingly prioritizing innovation to improve system efficiency, reduce operational costs, and enhance scalability across diverse end-use applications.

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Market Overview

- > The [atmospheric water generator market](#) was valued at \$4.4 billion in 2021.
- > The market is projected to reach \$11.2 billion by 2031.
- > The market is expected to grow at a CAGR of 9.9% from 2022 to 2031.
- > Cooling condensation systems accounted for the largest product segment.
- > Industrial applications generated the highest market revenue.
- > Asia-Pacific dominated the global market in 2021.
- > Growing water scarcity remains a primary market growth driver.
- > Sustainable water generation technologies are creating significant opportunities.

Market Segmentation

Key companies operating in the global atmospheric water generator market include:

Watergen Ltd.
Akvo Atmospheric Water Systems Pvt. Ltd.
SkyWater Air Water Machines
Atlantis Solar
Hendrx Water

PlanetsWater
Dew Point Manufacturing
GENAQ Technologies S.L.
WaterMaker India Pvt. Ltd.
Drinkable Air Technologies

These companies are focusing on technological innovation, product development, strategic partnerships, and geographic expansion to strengthen their market presence and address growing global demand for sustainable water generation solutions.

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Water technology providers, infrastructure developers, government agencies, investors, sustainability organizations, and industry stakeholders seeking comprehensive market intelligence, growth forecasts, competitive analysis, and strategic insights can access the complete Atmospheric Water Generator Market report from Allied Market Research.

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