

Europe Atmospheric Water Generator Market Size study, by Product (Cooling Condensation, Wet Desiccation), by Application (Industrial, Commercial, Residential) and Country Forecasts 2022-2032

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Abstracts

Europe Atmospheric Water Generator Market is valued at approximately USD 600 million in 2023 and is anticipated to grow with a healthy growth rate of more than 5.84% during the forecast period 2024-2032. An Atmospheric Water Generator (AWG) extracts potable water from humid ambient air using methods such as condensation, desiccants, membranes, fog collection, or air pressurization. AWGs are invaluable where potable water access is limited and can operate with varying energy inputs or passively, mimicking natural temperature differences. Biomimicry studies have demonstrated the efficiency of the *Stenocara gracilipes* beetle in this process. The increasing recognition of the advantages associated with Atmospheric Water Generator (AWG) units, including superior water quality and cost-effectiveness across various end-use applications, is projected to fuel market expansion in the European region.

Water scarcity is escalating globally, significantly impacting marginalized communities. In response, innovative solutions like decentralized water sources, such as atmospheric water generators, are gaining momentum, thereby propelling market growth. Factors including climate change, inadequate rainfall, rapid urbanization, industrialization, and population expansion contribute substantially to the depletion of freshwater resources, further driving extensive growth in the Atmospheric Water Generator Market. Additionally, stringent government policies and regulations, exemplified by the implementation of the Drinking Water Directive in EU nations, aim to ensure the provision of safe drinking water, thereby fostering market expansion. Nonetheless, the high initial investment and maintenance costs of atmospheric water generators, particularly burdensome for residential consumers, remain primary concerns hindering

market growth. Moreover, the limited purchasing power of consumers obstructs the residential market's growth between 2022 and 2032, compounded by the high installation costs associated with atmospheric water generators.

The key countries considered for the Europe Atmospheric Water Generator market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, the UK was the largest market. The Atmospheric Water Generator Market in the UK is experiencing an uptick in growth, with numerous companies, including Hogen Systems, Plants Water, Requench, and WatAir, providing commercial atmospheric water generators within the country. Moreover, Germany is actively investing in conducting high-quality research and development to cultivate a skilled workforce, driven by the expanding industrial sector. The increasing industrial activities in Germany, combined with the significant water output provided by cooling condensation Atmospheric Water Generators (AWGs), are anticipated to positively influence product demand.

Major market player included in this report are:

Anguil Environmental Systems, Inc.

Osoley

Genaq Technologies S.L.

AeroNero

LO2lair Engineering

Okeanos

Freewater4u Eu

EuroSMC S.A.

Hogen Systems Ltd

Michell Instruments Ltd

The detailed segments and sub-segment of the market are explained below:

By Product

Cooling Condensation

Wet Desiccation

By Application

Industrial

Commercial

Residential

By Region:

Europe
UK
Germany
France
Spain
Italy
ROE

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

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

Contents

CHAPTER 1. EUROPE ATMOSPHERIC WATER GENERATOR MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Europe Atmospheric Water Generator Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
 - 2.3.1. By Product
 - 2.3.2. By Application
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

CHAPTER 3. EUROPE ATMOSPHERIC WATER GENERATOR MARKET DYNAMICS

- 3.1. Market Drivers

- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. EUROPE ATMOSPHERIC WATER GENERATOR MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. EUROPE ATMOSPHERIC WATER GENERATOR MARKET SIZE & FORECASTS BY PRODUCT 2022-2032

- 5.1. Cooling Condensation
- 5.2. Wet Desiccation

CHAPTER 6. EUROPE ATMOSPHERIC WATER GENERATOR MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 6.1. Industrial
- 6.2. Commercial
- 6.3. Residential

CHAPTER 7. EUROPE ATMOSPHERIC WATER GENERATOR MARKET SIZE & FORECASTS BY COUNTRY 2022-2032

- 7.1. U.K. Atmospheric Water Generator Market
 - 7.1.1. Product breakdown size & forecasts, 2022-2032
 - 7.1.2. Application breakdown size & forecasts, 2022-2032
- 7.2. Germany Atmospheric Water Generator Market
- 7.3. France Atmospheric Water Generator Market
- 7.4. Spain Atmospheric Water Generator Market
- 7.5. Italy Atmospheric Water Generator Market
- 7.6. Rest of Europe Atmospheric Water Generator Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company
 - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Anguil Environmental Systems, Inc.
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Market Strategies
 - 8.3.2. Osoley
 - 8.3.3. Genaq Technologies S.L.
 - 8.3.4. AeroNero
 - 8.3.5. LO2lair Engineering
 - 8.3.6. Okeanos
 - 8.3.7. Freewater4u Eu
 - 8.3.8. EuroSMC S.A.
 - 8.3.9. Hogen Systems Ltd
 - 8.3.10. Michell Instruments Ltd

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

List Of Tables

LIST OF TABLES **TABLE 1. EUROPE ATMOSPHERIC WATER GENERATOR MARKET, REPORT SCOPE**

TABLE 2. Europe Atmospheric Water Generator market estimates & forecasts by Country 2022-2032 (USD Million)

TABLE 3. Europe Atmospheric Water Generator market estimates & forecasts by Product 2022-2032 (USD Million)

TABLE 4. Europe Atmospheric Water Generator market estimates & forecasts by Application 2022-2032 (USD Million)

TABLE 5. Europe Atmospheric Water Generator market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 6. Europe Atmospheric Water Generator market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 7. Europe Atmospheric Water Generator market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 8. Europe Atmospheric Water Generator market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 9. Europe Atmospheric Water Generator market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 10. Europe Atmospheric Water Generator market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 11. Europe Atmospheric Water Generator market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 12. Europe Atmospheric Water Generator market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 13. Europe Atmospheric Water Generator market by segment, estimates & forecasts, 2022-2032 (USD Million) Europe Atmospheric Water Generator market by country, estimates & forecasts, 2022-2032 (USD Million)

TABLE 14. UK Atmospheric Water Generator market estimates & forecasts, 2022-2032 (USD Million)

TABLE 15. UK Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 16. UK Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 17. Germany Atmospheric Water Generator market estimates & forecasts, 2022-2032 (USD Million)

TABLE 18. Germany Atmospheric Water Generator market estimates & forecasts by

segment 2022-2032 (USD Million)

TABLE 19. Germany Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 20. France Atmospheric Water Generator market estimates & forecasts, 2022-2032 (USD Million)

TABLE 21. France Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 22. France Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 23. Italy Atmospheric Water Generator market estimates & forecasts, 2022-2032 (USD Million)

TABLE 24. Italy Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 25. Italy Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 26. Spain Atmospheric Water Generator market estimates & forecasts, 2022-2032 (USD Million)

TABLE 27. Spain Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 28. Spain Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 29. RoE Atmospheric Water Generator market estimates & forecasts, 2022-2032 (USD Million)

TABLE 30. RoE Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 31. RoE Atmospheric Water Generator market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 32. List of secondary sources, used in the study of Europe Atmospheric Water Generator Market.

TABLE 33. List of primary sources, used in the study of Europe Atmospheric Water Generator Market.

TABLE 34. Years considered for the study.

TABLE 35. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. Europe Atmospheric Water Generator market, research methodology
- FIG 2. Europe Atmospheric Water Generator market, market estimation techniques
- FIG 3. Europe market size estimates & forecast methods.
- FIG 4. Europe Atmospheric Water Generator market, key trends 2023
- FIG 5. Europe Atmospheric Water Generator market, growth prospects 2022-2032
- FIG 6. Europe Atmospheric Water Generator market, porters 5 force model
- FIG 7. Europe Atmospheric Water Generator market, pestel analysis
- FIG 8. Europe Atmospheric Water Generator market, value chain analysis
- FIG 9. Europe Atmospheric Water Generator market by segment, 2022 & 2032 (USD Million)
- FIG 10. Europe Atmospheric Water Generator market by segment, 2022 & 2032 (USD Million)
- FIG 11. Europe Atmospheric Water Generator market by segment, 2022 & 2032 (USD Million)
- FIG 12. Europe Atmospheric Water Generator market by segment, 2022 & 2032 (USD Million)
- FIG 13. Europe Atmospheric Water Generator market by segment, 2022 & 2032 (USD Million)
- FIG 14. Europe Atmospheric Water Generator market, Country snapshot 2022 & 2032
- FIG 15. Europe Atmospheric Water Generator market 2022 & 2032 (USD Million)
- FIG 16. Europe Atmospheric Water Generator market, company market share analysis (2023)

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