

Global Decarbonised Fuel Market Size study & Forecast, by Type (Organic-Based, Green Hydrogen and Derivatives and Others), by Form (Liquid, Gaseous), by End-Use (Transportation, Power Generation and Others) and Regional Analysis, 2023-2030

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Abstracts

Global Decarbonised Fuel Market is valued at approximately USD 8.4 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 10.2% over the forecast period 2023-2030. Decarbonized fuels refer to energy sources that have a significantly reduced carbon footprint compared to traditional fossil fuels. The term "decarbonization" refers to the process of reducing or eliminating carbon dioxide (CO₂) emissions from energy production and consumption. The Decarbonised Fuel market is expanding because of factors such as surge in demand for sustainable and low-carbon energy solutions and government policies for limiting carbon emissions and Incentives.

Governments all over the world are implementing a variety of measures, such as national climate change plans, national sustainable development strategies, and national green growth strategies, to reduce carbon emissions in order to maintain their sustainable goals, which are boosting market growth.. For instance, the Chinese government, which has the second-largest economy in the world, strives towards environmental sustainability through a number of regulations and projects. On September 22, 2020, Chinese President Xi Jinping declared that China would enhance its Intended Nationally Determined Contributions by enacting more forceful policies and efforts during the General Debate of the United Nations General Assembly's 75th session. It also aims to become carbon neutral by 2060, with the peak of CO₂ emissions occurring in 2030. In addition to these, the German government established

further targets in July 2021 to cut carbon emissions and attain greenhouse gas neutrality by 2045. The country wants to cut its carbon emissions by 65% by 2030 and 88% by 2040 when compared to 1990. In addition, the development of infrastructure, smart cities, and means of transport, rising technological advancements are creating lucrative opportunities for the market.

The key regions considered for the Global Decarbonised Fuel Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the government initiatives to reduce greenhouse gas emissions, adoption of sustainable energy systems, and investment in renewable energy fuels in the region. Furthermore, Asia Pacific is expected to grow at a significant rate owing to rising government support for the adoption of renewable fuels, rising adoption of green energy sources, and government goals for reducing carbon emissions.

Major market players included in this report are:

L'Air Liquide S.A.

Plug Power Inc.

Shell Plc.

Neste Corporation

TotalEnergies SE

Iberdrola S.A.

Siemens Energy

BP p.l.c.

Linde plc

Exxon Mobil Corporation

Recent Developments in the Market:

In November 2022, CATAGEN announced the launch of five net zero prototypes which enable the production of green hydrogen and e-fuels that could help the industry significantly reduce carbon emissions.

Global Decarbonised Fuel Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Type, Form, End-Use, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Type offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Organic-Based

Green Hydrogen and Derivatives

Others

By Form:

Liquid

Gaseous

By End-Use:

Transportation

Power Generation

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
Saudi Arabia
South Africa
Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Decarbonised Fuel Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Decarbonised Fuel Market, by Type, 2020-2030 (USD Billion)
 - 1.2.3. Decarbonised Fuel Market, by Form, 2020-2030 (USD Billion)
 - 1.2.4. Decarbonised Fuel Market, by End-Use, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL DECARBONISED FUEL MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL DECARBONISED FUEL MARKET DYNAMICS

- 3.1. Decarbonised Fuel Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Surge in demand for sustainable and low-carbon energy solutions
 - 3.1.1.2. Government Policies for limiting carbon emission and Incentives
 - 3.1.2. Market Challenges
 - 3.1.2.1. Rising health concerns
 - 3.1.2.2. Competition from the electric cars market
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Development of infrastructure, smart cities, and means of transport
 - 3.1.3.2. Rising technological advancements

CHAPTER 4. GLOBAL DECARBONISED FUEL 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
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL DECARBONISED FUEL MARKET, BY TYPE

- 5.1. Market Snapshot
- 5.2. Global Decarbonised Fuel Market by Type, Performance - Potential Analysis
- 5.3. Global Decarbonised Fuel Market Estimates & Forecasts by Type 2020-2030 (USD Billion)
- 5.4. Decarbonised Fuel Market, Sub Segment Analysis
 - 5.4.1. Organic-Based
 - 5.4.2. Green Hydrogen and Derivatives
 - 5.4.3. Others

CHAPTER 6. GLOBAL DECARBONISED FUEL MARKET, BY FORM

- 6.1. Market Snapshot
- 6.2. Global Decarbonised Fuel Market by Form, Performance - Potential Analysis
- 6.3. Global Decarbonised Fuel Market Estimates & Forecasts by Form 2020-2030 (USD Billion)
- 6.4. Decarbonised Fuel Market, Sub Segment Analysis
 - 6.4.1. Liquid

6.4.2. Gaseous

CHAPTER 7. GLOBAL DECARBONISED FUEL MARKET, BY END-USE

7.1. Market Snapshot

7.2. Global Decarbonised Fuel Market by End-Use, Performance - Potential Analysis

7.3. Global Decarbonised Fuel Market Estimates & Forecasts by End-Use 2020-2030 (USD Billion)

7.4. Decarbonised Fuel Market, Sub Segment Analysis

7.4.1. Transportation

7.4.2. Power Generation

7.4.3. Others

CHAPTER 8. GLOBAL DECARBONISED FUEL MARKET, REGIONAL ANALYSIS

8.1. Top Leading Countries

8.2. Top Emerging Countries

8.3. Decarbonised Fuel Market, Regional Market Snapshot

8.4. North America Decarbonised Fuel Market

8.4.1. U.S. Decarbonised Fuel Market

8.4.1.1. Type breakdown estimates & forecasts, 2020-2030

8.4.1.2. Form breakdown estimates & forecasts, 2020-2030

8.4.1.3. End-Use breakdown estimates & forecasts, 2020-2030

8.4.2. Canada Decarbonised Fuel Market

8.5. Europe Decarbonised Fuel Market Snapshot

8.5.1. U.K. Decarbonised Fuel Market

8.5.2. Germany Decarbonised Fuel Market

8.5.3. France Decarbonised Fuel Market

8.5.4. Spain Decarbonised Fuel Market

8.5.5. Italy Decarbonised Fuel Market

8.5.6. Rest of Europe Decarbonised Fuel Market

8.6. Asia-Pacific Decarbonised Fuel Market Snapshot

8.6.1. China Decarbonised Fuel Market

8.6.2. India Decarbonised Fuel Market

8.6.3. Japan Decarbonised Fuel Market

8.6.4. Australia Decarbonised Fuel Market

8.6.5. South Korea Decarbonised Fuel Market

8.6.6. Rest of Asia Pacific Decarbonised Fuel Market

8.7. Latin America Decarbonised Fuel Market Snapshot

- 8.7.1. Brazil Decarbonised Fuel Market
- 8.7.2. Mexico Decarbonised Fuel Market
- 8.8. Middle East & Africa Decarbonised Fuel Market
 - 8.8.1. Saudi Arabia Decarbonised Fuel Market
 - 8.8.2. South Africa Decarbonised Fuel Market
 - 8.8.3. Rest of Middle East & Africa Decarbonised Fuel Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. L'Air Liquide S.A.
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Recent Developments
 - 9.3.2. Plug Power Inc.
 - 9.3.3. Shell Plc.
 - 9.3.4. Neste Corporation
 - 9.3.5. TotalEnergies SE
 - 9.3.6. Iberdrola S.A.
 - 9.3.7. Siemens Energy
 - 9.3.8. BP p.l.c.
 - 9.3.9. Linde plc
 - 9.3.10. Exxon Mobil Corporation

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing

10.2. Research Attributes

10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Decarbonised Fuel Market, report scope

TABLE 2. Global Decarbonised Fuel Market estimates & forecasts by Region
2020-2030 (USD Billion)

TABLE 3. Global Decarbonised Fuel Market estimates & forecasts by Type 2020-2030
(USD Billion)

TABLE 4. Global Decarbonised Fuel Market estimates & forecasts by Form 2020-2030
(USD Billion)

TABLE 5. Global Decarbonised Fuel Market estimates & forecasts by End-Use
2020-2030 (USD Billion)

TABLE 6. Global Decarbonised Fuel Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 7. Global Decarbonised Fuel Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 8. Global Decarbonised Fuel Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 9. Global Decarbonised Fuel Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 10. Global Decarbonised Fuel Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 11. Global Decarbonised Fuel Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 12. Global Decarbonised Fuel Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 13. Global Decarbonised Fuel Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 14. Global Decarbonised Fuel Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 15. Global Decarbonised Fuel Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 16. U.S. Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 17. U.S. Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 18. U.S. Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 19. Canada Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20. Canada Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. Canada Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23. UK Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. UK Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26. Germany Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. Germany Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29. France Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. France Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. Italy Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32. Italy Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Italy Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35. Spain Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. Spain Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38. RoE Decarbonised Fuel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. RoE Decarbonised Fuel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 40. China Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 41. China Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 42. China Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 43. India Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44. India Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 45. India Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 46. Japan Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 47. Japan Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 48. Japan Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 49. South Korea Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 50. South Korea Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 51. South Korea Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 52. Australia Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53. Australia Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 54. Australia Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 55. RoAPAC Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56. RoAPAC Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 57. RoAPAC Decarbonised Fuel Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 58. Brazil Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59. Brazil Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Brazil Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Mexico Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62. Mexico Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. Mexico Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. RoLA Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65. RoLA Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. RoLA Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. Saudi Arabia Decarbonised Fuel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68. South Africa Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. RoMEA Decarbonised Fuel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Decarbonised Fuel Market

TABLE 71. List of primary sources, used in the study of global Decarbonised Fuel Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Decarbonised Fuel Market, research methodology
 - FIG 2. Global Decarbonised Fuel Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Decarbonised Fuel Market, key trends 2022
 - FIG 5. Global Decarbonised Fuel Market, growth prospects 2023-2030
 - FIG 6. Global Decarbonised Fuel Market, porters 5 force model
 - FIG 7. Global Decarbonised Fuel Market, pest analysis
 - FIG 8. Global Decarbonised Fuel Market, value chain analysis
 - FIG 9. Global Decarbonised Fuel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Decarbonised Fuel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Decarbonised Fuel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Decarbonised Fuel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Decarbonised Fuel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Decarbonised Fuel Market, regional snapshot 2020 & 2030
 - FIG 15. North America Decarbonised Fuel Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Decarbonised Fuel Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia Pacific Decarbonised Fuel Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Decarbonised Fuel Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Decarbonised Fuel Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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