

Oxy Fuel Combustion Technology Market Forecast to 2028 - COVID-19 Impact and Global Analysis By Offerings (Solution and Services), End-Use Industry (Oil & Gas, Power Generation, Manufacturing, Metal & Mining, and Others)

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Report description:

The global oxy fuel combustion technology market was valued at US\$ 454.18 million in 2020 and is expected to grow at a CAGR of 10.5% during the forecast period from 2022-2028 to reach US\$ 825.17 million by 2028.

The rising concern for carbon dioxide emission in the atmosphere is a major factor driving the oxy fuel combustion technology market. Anthropogenic CO₂, that is CO₂ produced because of human activities, comes from the combustion of fossil fuels in power plants, transportation, and industrial sources. Fossil fuels currently provide the most of the world's energy, and this situation is expected to persist for at least next few decades. Thus, to continue using fossil fuels in an effective and environmentally sustainable manner, near-zero emission technologies are being developed for demonstration and large-scale commercial deployment. The state-of-the-art application of oxy-fuel combustion technology to fossil-fuel energy conversion systems provides an opportunity to develop new designs, improving the competence of baseline combustion processes, and reducing their environmental footprints, including greenhouse gas emissions, through CO₂ capture and storage.

The global oxy fuel combustion technology market is segmented into offerings, end-use industry. Based on offerings, the market is segmented into solution and services. Based on end-use industry, the market is segmented into oil & gas, power generation, manufacturing, metal & mining, and others. By geography, the oxy fuel combustion technology market is segmented into North America, Europe, Asia Pacific (APAC), the Middle East and Africa (MEA), and South America (SAM).

A few key players operating in the global oxy fuel combustion technology market and profiled in this market study are Air Liquide; Air Products and Chemicals, Inc.; Encon Thermal Engineers Pvt. Ltd.; ESA S.p.A.; Falorni Gianfranco s.r.l.; General Electric Company; Hitachi Ltd.; Jupiter Oxygen Corporation; Linde; and HEIDELBERGCEMENT AG, amongst others.

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The overall global oxy fuel combustion technology market size has been derived using both primary and secondary sources. To begin the research process, exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the market. The process also serves the purpose of obtaining an overview and forecast for the oxy fuel combustion technology market with respect to all the segments. Also, multiple primary interviews have been conducted with industry participants and commentators to validate the data, as well as to gain more analytical insights into the topic. The participants of this process include industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the oxy fuel combustion technology market.

Table of Contents:

TABLE OF CONTENTS

1. Introduction
 - 1.1 Study Scope
 - 1.2 The Insight Partners Research Report Guidance
 - 1.3 Market Segmentation
2. Key Takeaways
3. Research Methodology
 - 3.1 Coverage
 - 3.2 Secondary Research
 - 3.3 Primary Research
4. Oxy Fuel Combustion Technology Market Landscape
 - 4.1 Market Overview
 - 4.2 PEST Analysis
 - 4.2.1 North America - PEST Analysis
 - 4.2.2 Europe - PEST Analysis
 - 4.2.3 Asia Pacific - PEST Analysis
 - 4.2.4 Middle East and Africa - PEST Analysis
 - 4.2.5 South America - PEST Analysis
 - 4.3 Ecosystem Analysis
 - 4.4 Expert Opinion
5. Oxy Fuel Combustion Technology-Market Dynamics
 - 5.1 Market Drivers
 - 5.1.1 Increasing Government Initiatives to Reduce Air Pollution
 - 5.1.2 Rising Demand for Minimizing Gas Emissions in Industrial Processes
 - 5.2 Market Restraints
 - 5.2.1 High Energy Requirement and High Cost Associated with Oxy Fuel Technology Solutions
 - 5.3 Market Opportunities
 - 5.3.1 Growing Demand for Oxy Fuel Combustion Technology Among Developing Countries
 - 5.4 Future Trends
 - 5.4.1 Air Pollution Awareness Programs in Developed and Developing Countries
 - 5.5 Impact Analysis of Drivers and Restraints
6. Oxy Fuel Combustion Technology Market - Global Analysis
 - 6.1 Oxy Fuel Combustion Technology Market Global Overview

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- 6.2 Market Positioning - Five Key Players
 - 6.2.1 Brief Overview of Top 5 Players:
- 7. Oxy Fuel Combustion Technology Market Analysis - By Offerings
 - 7.1 Overview
 - 7.2 Oxy Fuel Combustion Technology Market Breakdown, by Offerings, 2021 and 2028 (%)
 - 7.3 Solution
 - 7.3.1 Overview
 - 7.3.2 Solution Market Revenue and Forecasts to 2028 (US\$ Mn)
 - 7.4 Services
 - 7.4.1 Overview
 - 7.4.2 Services Market Revenue and Forecasts to 2028 (US\$ Mn)
- 8. Oxy Fuel Combustion Technology Market Analysis - By End-Use Industry
 - 8.1 Overview
 - 8.2 Oxy Fuel Combustion Technology Market Breakdown, By End-User Industry, 2021 & 2028 (%)
 - 8.3 Oil & Gas
 - 8.3.1 Overview
 - 8.3.2 Oil and Gas Market Revenue and Forecasts to 2028 (US\$ Mn)
 - 8.4 Power Generation
 - 8.4.1 Overview
 - 8.4.2 Power Generation Market Revenue and Forecasts to 2028 (US\$ Mn)
 - 8.5 Manufacturing
 - 8.5.1 Overview
 - 8.5.2 Manufacturing Market Revenue and Forecasts to 2028 (US\$ Mn)
 - 8.6 Metal & Mining
 - 8.6.1 Overview
 - 8.6.2 Metal and Mining Market Revenue and Forecasts to 2028 (US\$ Mn)
 - 8.7 Others
 - 8.7.1 Overview
 - 8.7.2 Others Market Revenue and Forecasts to 2028 (US\$ Mn)
- 9. Oxy Fuel Combustion Technology Market - Geographic Analysis
 - 9.1 Overview
 - 9.2 North America Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.2.1 Overview
 - 9.2.2 North America Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.2.3 North America Oxy Fuel Combustion Technology Market, By End-User Industry
 - 9.2.4 North America Oxy Fuel Combustion Technology Market, by Country
 - 9.2.4.1 US Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.2.4.1.1 US Oxy Fuel Combustion Technology Market, by Offerings
 - 9.2.4.1.2 US Oxy Fuel Combustion Technology Market, by End-User Industry
 - 9.2.4.2 Canada Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.2.4.2.1 Canada Oxy Fuel Combustion Technology Market, by Offerings
 - 9.2.4.2.2 Canada Oxy Fuel Combustion Technology Market, by End-User Industry
 - 9.2.4.3 Mexico Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.2.4.3.1 Mexico Oxy Fuel Combustion Technology Market, by Offerings
 - 9.2.4.3.2 Mexico Oxy Fuel Combustion Technology Market, by End-User Industry
 - 9.3 Europe Oxy Fuel Combustion Technology Market Revenue and Forecast To 2028
 - 9.3.1 Overview

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- 9.3.2 Europe Oxy Fuel Combustion Technology Market Revenue and Forecast to 2028 (US\$ Mn)
- 9.3.3 Europe Oxy Fuel Combustion Technology Market, By Offerings
- 9.3.4 Europe Oxy Fuel Combustion Technology Market, By End-User Industry
- 9.3.5 Europe Oxy Fuel Combustion Technology Market, by Country
 - 9.3.5.1 France Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.3.5.1.1 France Oxy Fuel Combustion Technology Market, by Offerings
 - 9.3.5.1.2 France Oxy Fuel Combustion Technology Market, by End-User Industry
 - 9.3.5.2 Germany Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.3.5.2.1 Germany Oxy Fuel Combustion Technology Market, by Offerings
 - 9.3.5.2.2 Germany Oxy Fuel Combustion Technology Market, by End-User Industry
 - 9.3.5.3 Italy Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.3.5.3.1 Italy Oxy Fuel Combustion Technology Market, by Offerings
 - 9.3.5.3.2 Italy Oxy Fuel Combustion Technology Market, by End-User
 - 9.3.5.4 UK Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.3.5.4.1 UK Oxy Fuel Combustion Technology Market, by Offerings
 - 9.3.5.4.2 UK Oxy Fuel Combustion Technology Market, by End-User Industry
 - 9.3.5.5 Russia Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.3.5.5.1 Russia Oxy Fuel Combustion Technology Market, by Offerings
 - 9.3.5.5.2 Russia Oxy Fuel Combustion Technology Market, by End-User
 - 9.3.5.6 Rest of Europe Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.3.5.6.1 Rest of Europe Oxy Fuel Combustion Technology Market, by Offerings
 - 9.3.5.6.2 Rest of Europe Oxy Fuel Combustion Technology Market, by End-User
- 9.4 APAC Oxy Fuel Combustion Technology Market, Revenue and Forecast To 2028
 - 9.4.1 Overview
 - 9.4.2 APAC Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.4.3 APAC Oxy Fuel Combustion Technology Market, By Offerings
 - 9.4.4 APAC Oxy Fuel Combustion Technology Market, By End-User Industry
 - 9.4.5 APAC Oxy Fuel Combustion Technology Market, by Country
 - 9.4.5.1 Australia Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.4.5.1.1 Australia Oxy Fuel Combustion Technology Market, by Offerings
 - 9.4.5.1.2 Australia Oxy Fuel Combustion Technology Market, by End-User
 - 9.4.5.2 China Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.4.5.2.1 China Oxy Fuel Combustion Technology Market, by Offerings
 - 9.4.5.2.2 China Oxy Fuel Combustion Technology Market, by End-User
 - 9.4.5.3 India Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.4.5.3.1 India Oxy Fuel Combustion Technology Market, by Offerings
 - 9.4.5.3.2 India Oxy Fuel Combustion Technology Market, by End-User
 - 9.4.5.4 Japan Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.4.5.4.1 Japan Oxy Fuel Combustion Technology Market, by Offerings
 - 9.4.5.4.2 Japan Oxy Fuel Combustion Technology Market, by End-User
 - 9.4.5.5 South Korea Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.4.5.5.1 South Korea Oxy Fuel Combustion Technology Market, by Offerings
 - 9.4.5.5.2 South Korea Oxy Fuel Combustion Technology Market, by End-User
 - 9.4.5.6 Rest of APAC Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.4.5.6.1 Rest of APAC Oxy Fuel Combustion Technology Market, by Offerings
 - 9.4.5.6.2 Rest of APAC Oxy Fuel Combustion Technology Market, by End-User
- 9.5 Middle East & Africa Oxy Fuel Combustion Technology Market, Revenue and Forecast To 2028

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- 9.5.1 Overview
- 9.5.2 Middle East & Africa Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
- 9.5.3 Middle East & Africa Oxy Fuel Combustion Technology Market, By Offerings
- 9.5.4 Middle East & Africa Oxy Fuel Combustion Technology Market, By End-User Industry
- 9.5.5 Middle East & Africa Oxy Fuel Combustion Technology Market, By Country
 - 9.5.5.1 Saudi Arabia Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.5.5.1.1 Saudi Arabia Oxy Fuel Combustion Technology Market, by Offerings
 - 9.5.5.1.2 Saudi Arabia Oxy Fuel Combustion Technology Market, by End-User
 - 9.5.5.2 UAE Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.5.5.2.1 UAE Oxy Fuel Combustion Technology Market, by Offerings
 - 9.5.5.2.2 UAE Oxy Fuel Combustion Technology Market, by End-User
 - 9.5.5.3 South Africa Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.5.5.3.1 South Africa Oxy Fuel Combustion Technology Market, by Offerings
 - 9.5.5.3.2 South Africa Oxy Fuel Combustion Technology Market, by End-User
 - 9.5.5.4 Rest of Middle East & Africa Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028 (US\$ Mn)
 - 9.5.5.4.1 Rest of Middle East & Africa Oxy Fuel Combustion Technology Market, by Offerings
 - 9.5.5.4.2 Rest of Middle East & Africa Oxy Fuel Combustion Technology Market, by End-User
- 9.6 South America Oxy Fuel Combustion Technology Market Revenue and Forecast To 2028
 - 9.6.1 Overview
 - 9.6.2 South America Oxy Fuel Combustion Technology Market Revenue and Forecast to 2028 (US\$ Mn)
 - 9.6.3 South America Oxy Fuel Combustion Technology Market, By Offerings
 - 9.6.4 South America Oxy Fuel Combustion Technology Market, By End-User Industry
 - 9.6.5 SAM Oxy Fuel Combustion Technology Market, by Country
 - 9.6.5.1 Brazil Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.6.5.1.1 Brazil Oxy Fuel Combustion Technology Market, by Offerings
 - 9.6.5.1.2 Brazil Oxy Fuel Combustion Technology Market, by End-User Industry
 - 9.6.5.2 Rest of SAM Oxy Fuel Combustion Technology Market, Revenue and Forecast to 2028
 - 9.6.5.2.1 Rest of SAM Oxy Fuel Combustion Technology Market, by Offerings
 - 9.6.5.2.2 Rest of SAM Oxy Fuel Combustion Technology Market, by End-User Industry
- 10. Impact of COVID
 - 10.1 Overview
 - 10.2 North America: Impact Assessment of COVID-19 Pandemic
 - 10.3 Europe: Impact Assessment of COVID-19 Pandemic
 - 10.4 Asia-Pacific: Impact Assessment of COVID-19 Pandemic
 - 10.5 Middle East and Africa: Impact Assessment of COVID-19 Pandemic
 - 10.6 South America: Impact Assessment of COVID-19 Pandemic
- 11. Industry Landscape
 - 11.1 Overview
 - 11.2 Market Initiative
 - 11.3 Product Development
 - 11.4 Mergers & Acquisitions
- 12. Company Profiles
 - 12.1 Falorni Gianfranco SRL
 - 12.1.1 Key Facts
 - 12.1.2 Business Description
 - 12.1.3 Products and Services
 - 12.1.4 Financial Overview

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- 12.1.5 SWOT Analysis
- 12.1.6 Key Developments
- 12.2 General Electric Co
 - 12.2.1 Key Facts
 - 12.2.2 Business Description
 - 12.2.3 Products and Services
 - 12.2.4 Financial Overview
 - 12.2.5 SWOT Analysis
 - 12.2.6 Key Developments
- 12.3 HeidelbergCement AG
 - 12.3.1 Key Facts
 - 12.3.2 Business Description
 - 12.3.3 Products and Services
 - 12.3.4 Financial Overview
 - 12.3.5 SWOT Analysis
 - 12.3.6 Key Developments
- 12.4 Hitachi Ltd
 - 12.4.1 Key Facts
 - 12.4.2 Business Description
 - 12.4.3 Products and Services
 - 12.4.4 Financial Overview
 - 12.4.5 SWOT Analysis
 - 12.4.6 Key Developments
- 12.5 Jupiter Oxygen Corp
 - 12.5.1 Key Facts
 - 12.5.2 Business Description
 - 12.5.3 Products and Services
 - 12.5.4 Financial Overview
 - 12.5.5 SWOT Analysis
 - 12.5.6 Key Developments
- 12.6 Linde Plc
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Products and Services
 - 12.6.4 Financial Overview
 - 12.6.5 SWOT Analysis
 - 12.6.6 Key Developments
- 12.7 Air Liquide SA
 - 12.7.1 Key Facts
 - 12.7.2 Business Description
 - 12.7.3 Products and Services
 - 12.7.4 Financial Overview
 - 12.7.5 SWOT Analysis
 - 12.7.6 Key Developments
- 12.8 Air Products & Chemicals Inc
 - 12.8.1 Key Facts
 - 12.8.2 Business Description

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- 12.8.3 Products and Services
- 12.8.4 Financial Overview
- 12.8.5 SWOT Analysis
- 12.8.6 Key Developments
- 12.9 Encon Thermal Engineers Pvt Ltd
- 12.9.1 Key Facts
- 12.9.2 Business Description
- 12.9.3 Products and Services
- 12.9.4 Financial Overview
- 12.9.5 SWOT Analysis
- 12.9.6 Key Developments
- 12.10 ESA SpA
- 12.10.1 Key Facts
- 12.10.2 Business Description
- 12.10.3 Products and Services
- 12.10.4 Financial Overview
- 12.10.5 SWOT Analysis
- 12.10.6 Key Developments
- 13. Appendix
- 13.1 About the Insight Partners
- 13.2 Word Index

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