

European Refuse-Derived Fuel (RDF) Market to Reach \$2 Billion by 2034, Reports Fact.MR

Analysis of Refuse-Derived Fuel (RDF) Industry Covering Countries Includes Analysis of Germany, France, Italy, BENELUX, Spain, United Kingdom, Russia



Refuse-Derived Fuel (RDF) Industry Analysis in Europe

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/EINPresswire.com/ -- The European

refuse-derived fuel (RDF) market is experiencing significant growth, driven by increasing environmental concerns and the pursuit of sustainable waste management solutions. Revenue from the sales of [refuse-derived fuel \(RDF\) in Europe](#) is estimated to reach US\$ 1.32 billion in 2024, according to a newly published study by Fact.MR. The European market is forecasted to expand at 4.2% CAGR and reach a value of US\$ 2 billion by the end of 2034.

RDF, produced from non-recyclable municipal solid waste (MSW) and other organic materials, has gained traction as a renewable energy source. This aligns with the European Union's renewable energy targets, prompting several countries in the region to actively promote RDF utilization. Governments are anticipated to offer incentives and subsidies to stimulate the consumption of RDF in energy production, further bolstering market growth.

Market Outlook

The market's positive outlook is underpinned by the increasing adoption of RDF in various applications, including cement kilns, coal-fired power plants, and combined heat and power (CHP) plants. The versatility of RDF in these applications enhances its appeal as an alternative fuel source. Additionally, advancements in waste processing technologies have improved the efficiency and quality of RDF production, making it a more viable option for energy generation.

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Key Companies Profiled

Viridor; Renova Group; Covanta; SUEZ; Veolia

Market Dynamics

In terms of market dynamics, the RDF industry is influenced by stringent environmental regulations aimed at reducing landfill waste and greenhouse gas emissions. These regulations encourage the diversion of waste from landfills to energy recovery processes, thereby supporting the RDF market. However, challenges such as the high initial investment costs for RDF production facilities and competition from other renewable energy sources may pose constraints to market growth.

Competitive Landscape

The competitive landscape of the European RDF market features several key players actively involved in production and distribution. Companies such as SUEZ Recycling and Recovery UK Ltd., Renewi, Biffa, and Veolia are prominent in the market. These companies are focusing on developing effective production methods and processes to meet the rising demand from various end-use industries.

Industry News

Recent industry news highlights significant developments in the RDF sector. For instance, Gunvor, a Swiss commodity trading group, has acquired a 50% stake in Varo Energy's \$600 million Dutch biofuel project at the port of Rotterdam. This project aims to convert waste into Sustainable Aviation Fuel (SAF) and biodiesel, signaling a strategic move towards renewable energy sources.

In summary, the European RDF market is poised for substantial growth, driven by environmental initiatives, supportive government policies, and advancements in waste processing technologies. While challenges exist, the market's expansion is supported by the increasing adoption of RDF in various applications and the active participation of key industry players.

Segmentation of Refuse-Derived Fuel (RDF) Study in Europe

By Fuel Type :

High Grade (>10 Mj/kg)

Low Grade (<10 Mj/kg)

By Application :

Cement Kilns

Co-Combustion

Gasification

CHP

By Feedstock :

Municipal Solid Waste
Industrial Waste
Commercial Waste
Construction & Demolition Waste
By Production Technology :

Mechanical Biological Treatment
Pyrolysis & Gasification
By Country :

Germany
France
Italy
BENELUX
Spain
United Kingdom
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Fact.MR, in its new offering, presents an unbiased analysis of the global Basecoater market, presenting historical data for 2019 to 2023 and forecast statistics for 2024 to 2034.

The study reveals essential insights on the basis of the by Application (Textiles, Papers, Films, Non-Vowels), Type of Coating (Wet Coating, Dry Coating, Others), By Material Type (Polymer-based Coatings, Metal-based Coatings, Ceramic-based Coating, Others) and across major regions of the world (North America, Latin America, Western Europe, Eastern Europe, East Asia, South Asia & Pacific, and Middle East & Africa).

Key Companies Profiled-

Viridor; Renova Group; Covanta; SUEZ; Veolia

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Sales of [refuse-derived fuel \(RDF\) in Latin America](#) are calculated at US\$ 81.2 million for 2024 and are projected to increase at a CAGR of 3.1% to reach US\$ 110.19 million by 2034-end.

The Middle East and Africa is projected to generate US\$ 1.38 billion in revenue from the sales of [refuse-derived fuel \(RDF\) Middle East and Africa](#) in 2024, with the market forecasted to increase to US\$ 2.06 billion by 2034. Over the next ten years (2024 to 2034), this advancement is predicted to happen at a compound annual growth rate of 4.1%.

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