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Global Waste Heat to Power Market Size, Manufacturers, Opportunities and Forecast to 2030

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Abstracts

Waste heat to power (WHP) is the process of capturing heat discarded by an existing industrial process and using that heat to generate power.

Energy intensive industrial processes—such as those occurring at refineries, steel mills, glass furnaces, and cement kilns—all release hot exhaust gases and waste streams that can be harnessed with well-established technologies to generate electricity (see Appendix). The recovery of industrial waste heat for power is a largely untapped type of combined heat and power (CHP), which is the use of a single fuel source to generate both thermal energy (heating or cooling) and electricity.

According to APO Research, The global Waste Heat to Power market was estimated at US$ million in 2023 and is projected to reach a revised size of US$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Europe is the largest Waste Heat to Power market with about 53% market share. North America is follower, accounting for about 30% market share.

The key players are Siemens, GE, ABB, Amec Foster Wheeler, Ormat, MHI, Exergy, ElectraTherm, D?rr Cyplan, GETEC, CNBM, DaLian East, E-Rational etc. Top 3 companies occupied about 51% market share.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Waste Heat to Power, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze

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their position in the current marketplace, and make informed business decisions regarding Waste Heat to Power.

The Waste Heat to Power market size, estimations, and forecasts are provided in terms of sales volume (MW) and revenue ($ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Waste Heat to Power market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Siemens

GE

ABB

Amec Foster Wheeler

Ormat

MHI

Exergy

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ElectraTherm

D?rr Cyplan

GETEC

CNBM

DaLian East

E-Rational

Waste Heat to Power segment by Type

Steam Rankine Cycle

Organic Rankine Cycles

Kalina Cycle

Waste Heat to Power segment by Application

Chemical Industry

Metal Manufacturing

Oil and Gas

Others

Waste Heat to Power Segment by Region

North America

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Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

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Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Waste Heat to Power market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of Waste Heat to Power and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

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4. This report stays updated with novel technology integration, features, and the latest developments in the market

5. This report helps stakeholders to gain insights into which regions to target globally

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Waste Heat to Power.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Waste Heat to Power manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Waste Heat to Power in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

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