

# Global ORC Low Temperature Waste Heat Power Generation System Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global ORC Low Temperature Waste Heat Power Generation System market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

The Organic Rankine Cycle (ORC) low-temperature waste heat power generation system is a technology that uses low-grade heat sources (usually low-temperature waste heat) to produce electricity. Compared with the traditional steam cycle, the ORC system uses organic working fluids (such as alkanes or fluorides) as the working fluid, which is suitable for low-temperature power generation applications.

This report is a detailed and comprehensive analysis for global ORC Low Temperature Waste Heat Power Generation System market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

## Key Features:

Global ORC Low Temperature Waste Heat Power Generation System market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global ORC Low Temperature Waste Heat Power Generation System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global ORC Low Temperature Waste Heat Power Generation System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global ORC Low Temperature Waste Heat Power Generation System market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for ORC Low Temperature Waste Heat Power Generation System

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global ORC Low Temperature Waste Heat Power Generation System market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GE, United Technologies, Ormat Technologies, ADORATEC, Maxxtec, Cryostar Cryogenic, Electra Therm, Infinity Turbine, BITZER SE, Turboden, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

ORC Low Temperature Waste Heat Power Generation System market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Small ORC System

Medium-Sized OrRC System

Large ORC System

### Market segment by Application

Photothermal Power Generation

Geothermal Energy Development

Steel Industry

Chemical Industry

Nonferrous Metal Industry

Cement Industry

Others

### Major players covered

GE

United Technologies

Ormat Technologies

ADORATEC

Maxxtec

Cryostar Cryogenic

Electra Therm

Infinity Turbine

BITZER SE

Turboden

XEMC

HONGXU TECHNOLOGY

KAISHAN GROUP

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe ORC Low Temperature Waste Heat Power Generation System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of ORC Low Temperature Waste Heat Power Generation System, with price, sales quantity, revenue, and global market share of ORC Low Temperature Waste Heat Power Generation System from 2020 to 2025.

Chapter 3, the ORC Low Temperature Waste Heat Power Generation System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the ORC Low Temperature Waste Heat Power Generation System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and ORC Low Temperature Waste Heat Power Generation System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of ORC Low Temperature Waste Heat Power Generation System.

Chapter 14 and 15, to describe ORC Low Temperature Waste Heat Power Generation System sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global ORC Low Temperature Waste Heat Power Generation System  
Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Small ORC System

1.3.3 Medium-Sized OrRC System

1.3.4 Large ORC System

1.4 Market Analysis by Application

1.4.1 Overview: Global ORC Low Temperature Waste Heat Power Generation System  
Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Photothermal Power Generation

1.4.3 Geothermal Energy Development

1.4.4 Steel Industry

1.4.5 Chemical Industry

1.4.6 Nonferrous Metal Industry

1.4.7 Cement Industry

1.4.8 Others

1.5 Global ORC Low Temperature Waste Heat Power Generation System Market Size  
& Forecast

1.5.1 Global ORC Low Temperature Waste Heat Power Generation System  
Consumption Value (2020 & 2024 & 2031)

1.5.2 Global ORC Low Temperature Waste Heat Power Generation System Sales  
Quantity (2020-2031)

1.5.3 Global ORC Low Temperature Waste Heat Power Generation System Average  
Price (2020-2031)

### 2 MANUFACTURERS PROFILES

2.1 GE

2.1.1 GE Details

2.1.2 GE Major Business

2.1.3 GE ORC Low Temperature Waste Heat Power Generation System Product and  
Services

2.1.4 GE ORC Low Temperature Waste Heat Power Generation System Sales

Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 GE Recent Developments/Updates

2.2 United Technologies

2.2.1 United Technologies Details

2.2.2 United Technologies Major Business

2.2.3 United Technologies ORC Low Temperature Waste Heat Power Generation System Product and Services

2.2.4 United Technologies ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 United Technologies Recent Developments/Updates

2.3 Ormat Technologies

2.3.1 Ormat Technologies Details

2.3.2 Ormat Technologies Major Business

2.3.3 Ormat Technologies ORC Low Temperature Waste Heat Power Generation System Product and Services

2.3.4 Ormat Technologies ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Ormat Technologies Recent Developments/Updates

2.4 ADORATEC

2.4.1 ADORATEC Details

2.4.2 ADORATEC Major Business

2.4.3 ADORATEC ORC Low Temperature Waste Heat Power Generation System Product and Services

2.4.4 ADORATEC ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 ADORATEC Recent Developments/Updates

2.5 Maxxtec

2.5.1 Maxxtec Details

2.5.2 Maxxtec Major Business

2.5.3 Maxxtec ORC Low Temperature Waste Heat Power Generation System Product and Services

2.5.4 Maxxtec ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Maxxtec Recent Developments/Updates

2.6 Cryostar Cryogenic

2.6.1 Cryostar Cryogenic Details

2.6.2 Cryostar Cryogenic Major Business

2.6.3 Cryostar Cryogenic ORC Low Temperature Waste Heat Power Generation System Product and Services

2.6.4 Cryostar Cryogenic ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Cryostar Cryogenic Recent Developments/Updates

2.7 Electra Therm

2.7.1 Electra Therm Details

2.7.2 Electra Therm Major Business

2.7.3 Electra Therm ORC Low Temperature Waste Heat Power Generation System Product and Services

2.7.4 Electra Therm ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Electra Therm Recent Developments/Updates

2.8 Infinity Turbine

2.8.1 Infinity Turbine Details

2.8.2 Infinity Turbine Major Business

2.8.3 Infinity Turbine ORC Low Temperature Waste Heat Power Generation System Product and Services

2.8.4 Infinity Turbine ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 Infinity Turbine Recent Developments/Updates

2.9 BITZER SE

2.9.1 BITZER SE Details

2.9.2 BITZER SE Major Business

2.9.3 BITZER SE ORC Low Temperature Waste Heat Power Generation System Product and Services

2.9.4 BITZER SE ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 BITZER SE Recent Developments/Updates

2.10 Turboden

2.10.1 Turboden Details

2.10.2 Turboden Major Business

2.10.3 Turboden ORC Low Temperature Waste Heat Power Generation System Product and Services

2.10.4 Turboden ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 Turboden Recent Developments/Updates

2.11 XEMC

- 2.11.1 XEMC Details
- 2.11.2 XEMC Major Business
- 2.11.3 XEMC ORC Low Temperature Waste Heat Power Generation System Product and Services
- 2.11.4 XEMC ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.11.5 XEMC Recent Developments/Updates
- 2.12 HONGXU TECHNOLOGY
  - 2.12.1 HONGXU TECHNOLOGY Details
  - 2.12.2 HONGXU TECHNOLOGY Major Business
  - 2.12.3 HONGXU TECHNOLOGY ORC Low Temperature Waste Heat Power Generation System Product and Services
  - 2.12.4 HONGXU TECHNOLOGY ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.12.5 HONGXU TECHNOLOGY Recent Developments/Updates
- 2.13 KAISHAN GROUP
  - 2.13.1 KAISHAN GROUP Details
  - 2.13.2 KAISHAN GROUP Major Business
  - 2.13.3 KAISHAN GROUP ORC Low Temperature Waste Heat Power Generation System Product and Services
  - 2.13.4 KAISHAN GROUP ORC Low Temperature Waste Heat Power Generation System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.13.5 KAISHAN GROUP Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: ORC LOW TEMPERATURE WASTE HEAT POWER GENERATION SYSTEM BY MANUFACTURER**

- 3.1 Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global ORC Low Temperature Waste Heat Power Generation System Revenue by Manufacturer (2020-2025)
- 3.3 Global ORC Low Temperature Waste Heat Power Generation System Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
  - 3.4.1 Producer Shipments of ORC Low Temperature Waste Heat Power Generation System by Manufacturer Revenue (\$MM) and Market Share (%): 2024
  - 3.4.2 Top 3 ORC Low Temperature Waste Heat Power Generation System

Manufacturer Market Share in 2024

3.4.3 Top 6 ORC Low Temperature Waste Heat Power Generation System

Manufacturer Market Share in 2024

3.5 ORC Low Temperature Waste Heat Power Generation System Market: Overall  
Company Footprint Analysis

3.5.1 ORC Low Temperature Waste Heat Power Generation System Market: Region  
Footprint

3.5.2 ORC Low Temperature Waste Heat Power Generation System Market:  
Company Product Type Footprint

3.5.3 ORC Low Temperature Waste Heat Power Generation System Market:  
Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global ORC Low Temperature Waste Heat Power Generation System Market Size  
by Region

4.1.1 Global ORC Low Temperature Waste Heat Power Generation System Sales  
Quantity by Region (2020-2031)

4.1.2 Global ORC Low Temperature Waste Heat Power Generation System  
Consumption Value by Region (2020-2031)

4.1.3 Global ORC Low Temperature Waste Heat Power Generation System Average  
Price by Region (2020-2031)

4.2 North America ORC Low Temperature Waste Heat Power Generation System  
Consumption Value (2020-2031)

4.3 Europe ORC Low Temperature Waste Heat Power Generation System  
Consumption Value (2020-2031)

4.4 Asia-Pacific ORC Low Temperature Waste Heat Power Generation System  
Consumption Value (2020-2031)

4.5 South America ORC Low Temperature Waste Heat Power Generation System  
Consumption Value (2020-2031)

4.6 Middle East & Africa ORC Low Temperature Waste Heat Power Generation System  
Consumption Value (2020-2031)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global ORC Low Temperature Waste Heat Power Generation System Sales  
Quantity by Type (2020-2031)

5.2 Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Type (2020-2031)

5.3 Global ORC Low Temperature Waste Heat Power Generation System Average Price by Type (2020-2031)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2031)

6.2 Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Application (2020-2031)

6.3 Global ORC Low Temperature Waste Heat Power Generation System Average Price by Application (2020-2031)

## **7 NORTH AMERICA**

7.1 North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2031)

7.2 North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2031)

7.3 North America ORC Low Temperature Waste Heat Power Generation System Market Size by Country

7.3.1 North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2020-2031)

7.3.2 North America ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

## **8 EUROPE**

8.1 Europe ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2031)

8.2 Europe ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2031)

8.3 Europe ORC Low Temperature Waste Heat Power Generation System Market Size by Country

8.3.1 Europe ORC Low Temperature Waste Heat Power Generation System Sales

Quantity by Country (2020-2031)

8.3.2 Europe ORC Low Temperature Waste Heat Power Generation System

Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales

Quantity by Type (2020-2031)

9.2 Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales

Quantity by Application (2020-2031)

9.3 Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Market Size by Region

9.3.1 Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

## **10 SOUTH AMERICA**

10.1 South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2031)

10.2 South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2031)

10.3 South America ORC Low Temperature Waste Heat Power Generation System Market Size by Country

10.3.1 South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2020-2031)

10.3.2 South America ORC Low Temperature Waste Heat Power Generation System

Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Market Size by Country

11.3.1 Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

## **12 MARKET DYNAMICS**

12.1 ORC Low Temperature Waste Heat Power Generation System Market Drivers

12.2 ORC Low Temperature Waste Heat Power Generation System Market Restraints

12.3 ORC Low Temperature Waste Heat Power Generation System Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of ORC Low Temperature Waste Heat Power Generation System and Key Manufacturers

13.2 Manufacturing Costs Percentage of ORC Low Temperature Waste Heat Power Generation System

13.3 ORC Low Temperature Waste Heat Power Generation System Production Process  
13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 ORC Low Temperature Waste Heat Power Generation System Typical Distributors

14.3 ORC Low Temperature Waste Heat Power Generation System Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. GE Basic Information, Manufacturing Base and Competitors

Table 4. GE Major Business

Table 5. GE ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 6. GE ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. GE Recent Developments/Updates

Table 8. United Technologies Basic Information, Manufacturing Base and Competitors

Table 9. United Technologies Major Business

Table 10. United Technologies ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 11. United Technologies ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. United Technologies Recent Developments/Updates

Table 13. Ormat Technologies Basic Information, Manufacturing Base and Competitors

Table 14. Ormat Technologies Major Business

Table 15. Ormat Technologies ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 16. Ormat Technologies ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Ormat Technologies Recent Developments/Updates

Table 18. ADORATEC Basic Information, Manufacturing Base and Competitors

Table 19. ADORATEC Major Business

Table 20. ADORATEC ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 21. ADORATEC ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. ADORATEC Recent Developments/Updates

Table 23. Maxxtec Basic Information, Manufacturing Base and Competitors

Table 24. Maxxtec Major Business

Table 25. Maxxtec ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 26. Maxxtec ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Maxxtec Recent Developments/Updates

Table 28. Cryostar Cryogenic Basic Information, Manufacturing Base and Competitors

Table 29. Cryostar Cryogenic Major Business

Table 30. Cryostar Cryogenic ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 31. Cryostar Cryogenic ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Cryostar Cryogenic Recent Developments/Updates

Table 33. Electra Therm Basic Information, Manufacturing Base and Competitors

Table 34. Electra Therm Major Business

Table 35. Electra Therm ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 36. Electra Therm ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Electra Therm Recent Developments/Updates

Table 38. Infinity Turbine Basic Information, Manufacturing Base and Competitors

Table 39. Infinity Turbine Major Business

Table 40. Infinity Turbine ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 41. Infinity Turbine ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Infinity Turbine Recent Developments/Updates

Table 43. BITZER SE Basic Information, Manufacturing Base and Competitors

Table 44. BITZER SE Major Business

Table 45. BITZER SE ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 46. BITZER SE ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin

and Market Share (2020-2025)

Table 47. BITZER SE Recent Developments/Updates

Table 48. Turboden Basic Information, Manufacturing Base and Competitors

Table 49. Turboden Major Business

Table 50. Turboden ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 51. Turboden ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Turboden Recent Developments/Updates

Table 53. XEMC Basic Information, Manufacturing Base and Competitors

Table 54. XEMC Major Business

Table 55. XEMC ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 56. XEMC ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. XEMC Recent Developments/Updates

Table 58. HONGXU TECHNOLOGY Basic Information, Manufacturing Base and Competitors

Table 59. HONGXU TECHNOLOGY Major Business

Table 60. HONGXU TECHNOLOGY ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 61. HONGXU TECHNOLOGY ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. HONGXU TECHNOLOGY Recent Developments/Updates

Table 63. KAISHAN GROUP Basic Information, Manufacturing Base and Competitors

Table 64. KAISHAN GROUP Major Business

Table 65. KAISHAN GROUP ORC Low Temperature Waste Heat Power Generation System Product and Services

Table 66. KAISHAN GROUP ORC Low Temperature Waste Heat Power Generation System Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. KAISHAN GROUP Recent Developments/Updates

Table 68. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Manufacturer (2020-2025) & (Units)

Table 69. Global ORC Low Temperature Waste Heat Power Generation System Revenue by Manufacturer (2020-2025) & (USD Million)

Table 70. Global ORC Low Temperature Waste Heat Power Generation System Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 71. Market Position of Manufacturers in ORC Low Temperature Waste Heat Power Generation System, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 72. Head Office and ORC Low Temperature Waste Heat Power Generation System Production Site of Key Manufacturer

Table 73. ORC Low Temperature Waste Heat Power Generation System Market: Company Product Type Footprint

Table 74. ORC Low Temperature Waste Heat Power Generation System Market: Company Product Application Footprint

Table 75. ORC Low Temperature Waste Heat Power Generation System New Market Entrants and Barriers to Market Entry

Table 76. ORC Low Temperature Waste Heat Power Generation System Mergers, Acquisition, Agreements, and Collaborations

Table 77. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 78. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Region (2020-2025) & (Units)

Table 79. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Region (2026-2031) & (Units)

Table 80. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Region (2020-2025) & (USD Million)

Table 81. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Region (2026-2031) & (USD Million)

Table 82. Global ORC Low Temperature Waste Heat Power Generation System Average Price by Region (2020-2025) & (US\$/Unit)

Table 83. Global ORC Low Temperature Waste Heat Power Generation System Average Price by Region (2026-2031) & (US\$/Unit)

Table 84. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2025) & (Units)

Table 85. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2026-2031) & (Units)

Table 86. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Type (2020-2025) & (USD Million)

Table 87. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Type (2026-2031) & (USD Million)

Table 88. Global ORC Low Temperature Waste Heat Power Generation System Average Price by Type (2020-2025) & (US\$/Unit)

Table 89. Global ORC Low Temperature Waste Heat Power Generation System

Average Price by Type (2026-2031) & (US\$/Unit)

Table 90. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2025) & (Units)

Table 91. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2026-2031) & (Units)

Table 92. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Application (2020-2025) & (USD Million)

Table 93. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Application (2026-2031) & (USD Million)

Table 94. Global ORC Low Temperature Waste Heat Power Generation System Average Price by Application (2020-2025) & (US\$/Unit)

Table 95. Global ORC Low Temperature Waste Heat Power Generation System Average Price by Application (2026-2031) & (US\$/Unit)

Table 96. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2025) & (Units)

Table 97. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2026-2031) & (Units)

Table 98. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2025) & (Units)

Table 99. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2026-2031) & (Units)

Table 100. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2020-2025) & (Units)

Table 101. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2026-2031) & (Units)

Table 102. North America ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2020-2025) & (USD Million)

Table 103. North America ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2026-2031) & (USD Million)

Table 104. Europe ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2025) & (Units)

Table 105. Europe ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2026-2031) & (Units)

Table 106. Europe ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2025) & (Units)

Table 107. Europe ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2026-2031) & (Units)

Table 108. Europe ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2020-2025) & (Units)

Table 109. Europe ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2026-2031) & (Units)

Table 110. Europe ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2020-2025) & (USD Million)

Table 111. Europe ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2026-2031) & (USD Million)

Table 112. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2025) & (Units)

Table 113. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2026-2031) & (Units)

Table 114. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2025) & (Units)

Table 115. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2026-2031) & (Units)

Table 116. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Region (2020-2025) & (Units)

Table 117. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Region (2026-2031) & (Units)

Table 118. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Consumption Value by Region (2020-2025) & (USD Million)

Table 119. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Consumption Value by Region (2026-2031) & (USD Million)

Table 120. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2020-2025) & (Units)

Table 121. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2026-2031) & (Units)

Table 122. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2025) & (Units)

Table 123. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2026-2031) & (Units)

Table 124. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2020-2025) & (Units)

Table 125. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2026-2031) & (Units)

Table 126. South America ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2020-2025) & (USD Million)

Table 127. South America ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2026-2031) & (USD Million)

Table 128. Middle East & Africa ORC Low Temperature Waste Heat Power Generation

- System Sales Quantity by Type (2020-2025) & (Units)
- Table 129. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Type (2026-2031) & (Units)
- Table 130. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2020-2025) & (Units)
- Table 131. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Application (2026-2031) & (Units)
- Table 132. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2020-2025) & (Units)
- Table 133. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity by Country (2026-2031) & (Units)
- Table 134. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2020-2025) & (USD Million)
- Table 135. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Consumption Value by Country (2026-2031) & (USD Million)
- Table 136. ORC Low Temperature Waste Heat Power Generation System Raw Material
- Table 137. Key Manufacturers of ORC Low Temperature Waste Heat Power Generation System Raw Materials
- Table 138. ORC Low Temperature Waste Heat Power Generation System Typical Distributors
- Table 139. ORC Low Temperature Waste Heat Power Generation System Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. ORC Low Temperature Waste Heat Power Generation System Picture

Figure 2. Global ORC Low Temperature Waste Heat Power Generation System Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global ORC Low Temperature Waste Heat Power Generation System Revenue Market Share by Type in 2024

Figure 4. Small ORC System Examples

Figure 5. Medium-Sized OrRC System Examples

Figure 6. Large ORC System Examples

Figure 7. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 8. Global ORC Low Temperature Waste Heat Power Generation System Revenue Market Share by Application in 2024

Figure 9. Photothermal Power Generation Examples

Figure 10. Geothermal Energy Development Examples

Figure 11. Steel Industry Examples

Figure 12. Chemical Industry Examples

Figure 13. Nonferrous Metal Industry Examples

Figure 14. Cement Industry Examples

Figure 15. Others Examples

Figure 16. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 17. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 18. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity (2020-2031) & (Units)

Figure 19. Global ORC Low Temperature Waste Heat Power Generation System Price (2020-2031) & (US\$/Unit)

Figure 20. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Manufacturer in 2024

Figure 21. Global ORC Low Temperature Waste Heat Power Generation System Revenue Market Share by Manufacturer in 2024

Figure 22. Producer Shipments of ORC Low Temperature Waste Heat Power Generation System by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 23. Top 3 ORC Low Temperature Waste Heat Power Generation System Manufacturer (Revenue) Market Share in 2024

Figure 24. Top 6 ORC Low Temperature Waste Heat Power Generation System Manufacturer (Revenue) Market Share in 2024

Figure 25. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Region (2020-2031)

Figure 26. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value Market Share by Region (2020-2031)

Figure 27. North America ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 28. Europe ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 29. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 30. South America ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 31. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 32. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Type (2020-2031)

Figure 33. Global ORC Low Temperature Waste Heat Power Generation System Consumption Value Market Share by Type (2020-2031)

Figure 34. Global ORC Low Temperature Waste Heat Power Generation System Average Price by Type (2020-2031) & (US\$/Unit)

Figure 35. Global ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Application (2020-2031)

Figure 36. Global ORC Low Temperature Waste Heat Power Generation System Revenue Market Share by Application (2020-2031)

Figure 37. Global ORC Low Temperature Waste Heat Power Generation System Average Price by Application (2020-2031) & (US\$/Unit)

Figure 38. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Type (2020-2031)

Figure 39. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Application (2020-2031)

Figure 40. North America ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Country (2020-2031)

Figure 41. North America ORC Low Temperature Waste Heat Power Generation System Consumption Value Market Share by Country (2020-2031)

Figure 42. United States ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 43. Canada ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 44. Mexico ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 45. Europe ORC Low Temperature Waste Heat Power Generation System Sales

Quantity Market Share by Type (2020-2031)

Figure 46. Europe ORC Low Temperature Waste Heat Power Generation System Sales

Quantity Market Share by Application (2020-2031)

Figure 47. Europe ORC Low Temperature Waste Heat Power Generation System Sales

Quantity Market Share by Country (2020-2031)

Figure 48. Europe ORC Low Temperature Waste Heat Power Generation System

Consumption Value Market Share by Country (2020-2031)

Figure 49. Germany ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 50. France ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 51. United Kingdom ORC Low Temperature Waste Heat Power Generation

System Consumption Value (2020-2031) & (USD Million)

Figure 52. Russia ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 53. Italy ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 54. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System

Sales Quantity Market Share by Type (2020-2031)

Figure 55. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System

Sales Quantity Market Share by Application (2020-2031)

Figure 56. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System

Sales Quantity Market Share by Region (2020-2031)

Figure 57. Asia-Pacific ORC Low Temperature Waste Heat Power Generation System

Consumption Value Market Share by Region (2020-2031)

Figure 58. China ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 59. Japan ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 60. South Korea ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 61. India ORC Low Temperature Waste Heat Power Generation System

Consumption Value (2020-2031) & (USD Million)

Figure 62. Southeast Asia ORC Low Temperature Waste Heat Power Generation

System Consumption Value (2020-2031) & (USD Million)

Figure 63. Australia ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 64. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Type (2020-2031)

Figure 65. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Application (2020-2031)

Figure 66. South America ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Country (2020-2031)

Figure 67. South America ORC Low Temperature Waste Heat Power Generation System Consumption Value Market Share by Country (2020-2031)

Figure 68. Brazil ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 69. Argentina ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 70. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Type (2020-2031)

Figure 71. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Application (2020-2031)

Figure 72. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Sales Quantity Market Share by Country (2020-2031)

Figure 73. Middle East & Africa ORC Low Temperature Waste Heat Power Generation System Consumption Value Market Share by Country (2020-2031)

Figure 74. Turkey ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 75. Egypt ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 76. Saudi Arabia ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 77. South Africa ORC Low Temperature Waste Heat Power Generation System Consumption Value (2020-2031) & (USD Million)

Figure 78. ORC Low Temperature Waste Heat Power Generation System Market Drivers

Figure 79. ORC Low Temperature Waste Heat Power Generation System Market Restraints

Figure 80. ORC Low Temperature Waste Heat Power Generation System Market Trends

Figure 81. Porters Five Forces Analysis

Figure 82. Manufacturing Cost Structure Analysis of ORC Low Temperature Waste Heat Power Generation System in 2024

Figure 83. Manufacturing Process Analysis of ORC Low Temperature Waste Heat Power Generation System

Figure 84. ORC Low Temperature Waste Heat Power Generation System Industrial Chain

Figure 85. Sales Channel: Direct to End-User vs Distributors

Figure 86. Direct Channel Pros & Cons

Figure 87. Indirect Channel Pros & Cons

Figure 88. Methodology

Figure 89. Research Process and Data Source

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