

## **Europe Organic Rankine Cycle (ORC) Waste Heat to Power Market**

Market Report | 2022-10-01 | 188 pages | Data Bridge Market Research

### **AVAILABLE LICENSES:**

- Single User License \$3500.00
- Corporate Users License \$4200.00

### **Report description:**

Europe organic rankine cycle (ORC) waste heat to power market is projected to register an 8.0% CAGR in the forecast period 2022 to 2029. The new market report contains data for the historic year 2020, the base year of calculation is 2021, and the forecast period is 2022 to 2029.

#### Market Segmentation:

Europe Organic Rankine Cycle (ORC) Waste Heat To Power Market, By Size (Small, Medium, and Large), Capacity (Less Than 1000 kW, 1001-4000 kW, 4001-7000 kW, and More than 7000 kW), Model (Steady-State, Dynamic), Application (ICE or Gas Turbine, Waste to Energy, Metal Production, Cement and Lime Industry, Glass Industry, Petroleum Refining, Chemical Industry, Landfill ICE, and Others), Country (Germany, U.K., Italy, France, Spain, Russia, Turkey, Switzerland, Portugal, Belgium, Netherlands, Rest of Europe)

Some of the major factors contributing to the growth of the Europe Organic rankine cycle (ORC) waste heat to power market:

- Growing demand for electricity

#### Market Players:

The key market players operating in the Europe organic rankine cycle (ORC) waste heat to power Market are listed below:

- Rank
- TMEIC
- Triogen
- ABB
- Siemens Energy (Siemens AG)
- Durr Group

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## **Table of Contents:**

TABLE OF CONTENTS	
1 INTRODUCTION	42
1.1 OBJECTIVES OF THE STUDY	42
1.2 MARKET DEFINITION	42
1.3 OVERVIEW OF EUROPE ORGANIC RANKINE CYCLE (ORC) WASTE HEAT TO POWER MARKET	42
1.4 CURRENCY AND PRICING	44
1.5 LIMITATIONS	44
1.6 MARKETS COVERED	44
2 MARKET SEGMENTATION	47
2.1 MARKETS COVERED	47
2.2 GEOGRAPHICAL SCOPE	48
2.3 YEARS CONSIDERED FOR THE STUDY	49
2.4 DBMR TRIPOD DATA VALIDATION MODEL	50
2.5 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS	53
2.6 DBMR MARKET POSITION GRID	54
2.7 VENDOR SHARE ANALYSIS	55
2.8 MARKET APPLICATION COVERAGE GRID	56
2.9 MULTIVARIATE MODELING	57
2.10 SIZE TIMELINE CURVE	58
2.11 SECONDARY SOURCES	59
2.12 ASSUMPTIONS	59
3 EXECUTIVE SUMMARY	60
4 PREMIUM INSIGHTS	62
5 MARKET OVERVIEW	63
5.1 DRIVERS	65
5.1.1 RISE IN IMPORTANCE FOR GENERATING POWER FROM WASTE HEAT RECOVERY	65
5.1.2 UPSURGE IN THE REDUCTION OF USAGE OF PRIMARY ENERGY IN INDUSTRIAL OPERATIONS	66
5.1.3 INCREASED FOCUS ON IMPROVING THE POWER PLANT EFFICIENCY	67
5.1.4 RISING STRINGENT EMISSION NORMS	68
5.2 RESTRAINTS	68
5.2.1 HIGH COST OF INSTALLATION AND MAINTENANCE	68
5.2.2 SUPPLY DEFICIT OF RAW MATERIALS	69
5.3 OPPORTUNITIES	69
5.3.1 RAPID INDUSTRIALIZATION AND CLIMATE CHANGE CONCERNS	69
5.3.2 RISE IN LARGE-SCALE ORC-BASED GEOTHERMAL POWER PROJECTS	70
5.3.3 GOVERNMENT INCENTIVES TO PROMOTE GREEN ENERGY CHANGES	71
5.3.4 INCREASE IN THE ADOPTION OF SUSTAINABLE TECHNOLOGIES ACROSS INDUSTRIES	72
5.4 CHALLENGES	72
5.4.1 LACK OF AWARENESS ABOUT THE TECHNOLOGY	72
6 EUROPE ORGANIC RANKINE CYCLE (ORC) WASTE HEAT TO POWER MARKET, BY SIZE	73
6.1 OVERVIEW	74
6.2 MEDIUM	75
6.3 SMALL	75
6.4 LARGE	75
7 EUROPE ORGANIC RANKINE CYCLE (ORC) WASTE HEAT TO POWER MARKET, BY CAPACITY	77
7.1 OVERVIEW	78

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

7.2 LESS THAN 1000 KW	79
7.3 1001-4000 KW	79
7.4 4001 - 7000 KW	80
7.5 MORE THAN 7000 KW	80
8 EUROPE ORGANIC RANKINE CYCLE (ORC) WASTE HEAT TO POWER MARKET, BY MODEL	81
8.1 OVERVIEW	82
8.2 STEADY-STATE	83
8.3 DYNAMIC	83
9 EUROPE ORGANIC RANKINE CYCLE (ORC) WASTE HEAT TO POWER MARKET, BY APPLICATION	84
9.1 OVERVIEW	85
9.2 ICE OR GAS TURBINE	86
9.2.1 MEDIUM	86
9.2.2 SMALL	86
9.2.3 LARGE	86
9.3 WASTE TO ENERGY	87
9.3.1 MEDIUM	87
9.3.2 SMALL	87
9.3.3 LARGE	87
9.4 METAL PRODUCTION	88
9.4.1 MEDIUM	88
9.4.2 SMALL	88
9.4.3 LARGE	88
9.5 CEMENT AND LIME INDUSTRY	89
9.5.1 MEDIUM	89
9.5.2 SMALL	89
9.5.3 LARGE	89
9.6 GLASS INDUSTRY	90
9.6.1 MEDIUM	90
9.6.2 SMALL	90
9.6.3 LARGE	90
9.7 PETROLEUM REFINING	91
9.7.1 MEDIUM	91
9.7.2 SMALL	91
9.7.3 LARGE	91
9.8 CHEMICAL INDUSTRY	92
9.8.1 MEDIUM	92
9.8.2 SMALL	92
9.8.3 LARGE	92
9.9 LANDFILL ICE	93
9.9.1 MEDIUM	93
9.9.2 SMALL	93
9.9.3 LARGE	93
9.10 OTHERS	94
10 EUROPE ORGANIC RANKINE CYCLE (ORC) WASTE HEAT TO POWER MARKET, BY REGION	95
10.1 EUROPE	96
10.1.1 GERMANY	103
10.1.2 U.K.	106

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 10.1.3 FRANCE 109
- 10.1.4 ITALY 112
- 10.1.5 SPAIN 115
- 10.1.6 RUSSIA 118
- 10.1.7 TURKEY 121
- 10.1.8 NETHERLANDS 124
- 10.1.9 POLAND 127
- 10.1.10 SWEDEN 130
- 10.1.11 BELGIUM 133
- 10.1.12 DENMARK 136
- 10.1.13 SWITZERLAND 139
- 10.1.14 NORWAY 142
- 10.1.15 FINLAND 145
- 10.1.16 REST OF EUROPE 148
- 11 EUROPE ORGANIC RANKINE CYCLE (ORC) WASTE HEAT TO POWER MARKET: COMPANY LANDSCAPE 149
- 11.1 COMPANY SHARE ANALYSIS: EUROPE 149
- 12 SWOT ANALYSIS 150
- 13 COMPANY PROFILE 151
- 13.1 ORMAT 151
- 13.1.1 COMPANY SNAPSHOT 151
- 13.1.2 REVENUE ANALYSIS 152
- 13.1.3 COMPANY SHARE ANALYSIS 152
- 13.1.4 PRODUCTS PORTFOLIO 152
- 13.1.5 RECENT DEVELOPMENTS 153
- 13.2 SIEMENS ENERGY 154
- 13.2.1 COMPANY SNAPSHOT 154
- 13.2.2 REVENUE ANALYSIS 154
- 13.2.3 COMPANY SHARE ANALYSIS 155
- 13.2.4 SOLUTION PORTFOLIO 155
- 13.2.5 RECENT DEVELOPMENTS 155
- 13.3 BORGWARNER INC. 156
- 13.3.1 COMPANY SNAPSHOT 156
- 13.3.2 REVENUE ANALYSIS 156
- 13.3.3 COMPANY SHARE ANALYSIS 157
- 13.3.4 PRODUCTS PORTFOLIO 157
- 13.3.5 RECENT DEVELOPMENTS 157
- 13.4 ALFA LAVAL 158
- 13.4.1 COMPANY SNAPSHOT 158
- 13.4.2 REVENUE ANALYSIS 158
- 13.4.3 COMPANY SHARE ANALYSIS 159
- 13.4.4 PRODUCTS PORTFOLIO 159
- 13.4.5 RECENT DEVELOPMENTS 159
- 13.5 MITSUBISHI HEAVY INDUSTRIES, LTD 160
- 13.5.1 COMPANY SNAPSHOT 160
- 13.5.2 REVENUE ANALYSIS 160
- 13.5.3 COMPANY SHARE ANALYSIS 161
- 13.5.4 PRODUCTS PORTFOLIO 161

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

13.5.5 RECENT DEVELOPMENT	161
13.6 ABB	162
13.6.1 COMPANY SNAPSHOT	162
13.6.2 REVENUE ANALYSIS	162
13.6.3 PRODUCTS PORTFOLIO	163
13.6.4 RECENT DEVELOPMENTS	163
13.7 CLIMEON	164
13.7.1 COMPANY SNAPSHOT	164
13.7.2 REVENUE ANALYSIS	164
13.7.3 PRODUCTS PORTFOLIO	165
13.7.4 RECENT DEVELOPMENTS	165
13.8 CORYCOS GROUP	166
13.8.1 COMPANY SNAPSHOT	166
13.8.2 PRODUCTS PORTFOLIO	166
13.8.3 RECENT DEVELOPMENTS	166
13.9 CTMI - STEAM TURBINES	167
13.9.1 COMPANY SNAPSHOT	167
13.9.2 PRODUCTS PORTFOLIO	167
13.9.3 RECENT DEVELOPMENTS	167
13.10 DURR GROUP	168
13.10.1 COMPANY SNAPSHOT	168
13.10.2 REVENUE ANALYSIS	168
13.10.3 PRODUCTS PORTFOLIO	169
13.10.4 RECENT DEVELOPMENT	169
13.11 ENERBASQUE	170
13.11.1 COMPANY SNAPSHOT	170
13.11.2 PRODUCT PORTFOLIO	170
13.11.3 RECENT DEVELOPMENTS	170
13.12 ENERTIME	171
13.12.1 COMPANY SNAPSHOT	171
13.12.2 PRODUCTS PORTFOLIO	171
13.12.3 RECENT DEVELOPMENT	171
13.13 ENOGIA	172
13.13.1 COMPANY SNAPSHOT	172
13.13.2 PRODUCTS PORTFOLIO	172
13.13.3 RECENT DEVELOPMENT	172
13.14 EXERGY INTERNATIONAL SRL	173
13.14.1 COMPANY SNAPSHOT	173
13.14.2 PRODUCTS PORTFOLIO	173
13.14.3 RECENT DEVELOPMENT	173
13.15 ELECTRATHERM (ACQUIRED BY BITZER)	174
13.15.1 COMPANY SNAPSHOT	174
13.15.2 PRODUCT PORTFOLIO	174
13.15.3 RECENT DEVELOPMENTS	174
13.16 INTEC ENGINEERING GMBH	175
13.16.1 COMPANY SNAPSHOT	175
13.16.2 PRODUCT PORTFOLIO	175

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

13.16.3 RECENT DEVELOPMENTS	175
13.17 KAISHAN USA	176
13.17.1 COMPANY SNAPSHOT	176
13.17.2 PRODUCTS PORTFOLIO	176
13.17.3 RECENT DEVELOPMENT	176
13.18 OPEL ENERGY SYSTEMS PVT. LTD.	177
13.18.1 COMPANY SNAPSHOT	177
13.18.2 PRODUCTS PORTFOLIO	177
13.18.3 RECENT DEVELOPMENTS	177
13.19 ORCAN ENERGY AG	178
13.19.1 COMPANY SNAPSHOT	178
13.19.2 PRODUCTS PORTFOLIO	178
13.19.3 RECENT DEVELOPMENT	178
13.20 RANK ORC, S.L.	179
13.20.1 COMPANY SNAPSHOT	179
13.20.2 PRODUCTS PORTFOLIO	179
13.20.3 RECENT DEVELOPMENT	179
13.21 STREBL ENERGY PTE LTD	180
13.21.1 COMPANY SNAPSHOT	180
13.21.2 PRODUCTS PORTFOLIO	180
13.21.3 RECENT DEVELOPMENT	180
13.22 SRMTEC	181
13.22.1 COMPANY SNAPSHOT	181
13.22.2 PRODUCT PORTFOLIO	181
13.22.3 RECENT DEVELOPMENTS	181
13.23 TMEIC	182
13.23.1 COMPANY SNAPSHOT	182
13.23.2 PRODUCTS PORTFOLIO	182
13.23.3 RECENT DEVELOPMENTS	182
13.24 TRIOGEN	183
13.24.1 COMPANY SNAPSHOT	183
13.24.2 PRODUCT PORTFOLIO	183
13.24.3 RECENT DEVELOPMENTS	183
13.25 ZUCCATO ENERGIA SRL.	184
13.25.1 COMPANY SNAPSHOT	184
13.25.2 PRODUCTS PORTFOLIO	184
13.25.3 RECENT DEVELOPMENTS	184
14 QUESTIONNAIRE	185
15 RELATED REPORTS	188

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**Europe Organic Rankine Cycle (ORC) Waste Heat to Power Market**

Market Report | 2022-10-01 | 188 pages | Data Bridge Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$3500.00
	Corporate Users License	\$4200.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-06"/>
		Signature	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com