

APAC Advanced Recycling Technologies Market- Industry Trends and Forecast to 2030

Market Report | 2023-07-01 | 139 pages | Data Bridge Market Research

Δ	V	Δ	П	LAE	R	F	1	ıc	F	N	S	F	S	•

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

Report description:

Asia-Pacific advanced recycling technologies market is expected to reach USD 172,622.30 Thousad by 2030 from USD 100,874.34 Thousand in 2022, growing at a CAGR of 7.4% during the forecast period of 2023 to 2030. Market Segmentation:

Asia-Pacific Advanced Recycling Technologies Market, By Technology (Pyrolysis/Cracking, Gasification, Depolymerization, and Microwave), Process Output (Naphtha, Heavy Gas Oil, and Wax Residue), End Use (Packaging, Infrastructure & Construction, Consumer Electronics, and Automotive), Country (India, China, South Korea, Japan, Taiwan, Australia & New Zealand, Malaysia, Philippines, Indonesia, Singapore, Thailand, Rest of Asia-Pacific) - Industry Trends and Forecast to 2030

Overview of Asia-Pacific Advanced Recycling Technologies Market Dynamics:

Driver

- Positive outlook toward sustainable plastic waste management

Restraints/Challenges

- High investment costs associated with the initial installation of equipment and facilities

Opportunities

- Extensive scope of synergizing the expertise between technological providers and chemical manufacturers

Market Players:

Scotts International, EU Vat number: PL 6772247784

Some of the key market players operating in the Asia-Pacific advanced recycling technologies market are listed below:

- BlueAlp Innovations BV
- Pyrowave
- Enerkem
- Recycling Avenue
- Gr3n Recycling
- PLASTIC ENERGY
- Quantafuel ASA
- Loop Industries, Inc.
- Agilyx
- Honeywell International Inc.
- Polystyvert
- Olefy Technologies Ltd.
- Mura Technology Limited
- Chevron Phillips Chemical Company LLC
- GARBO SRL
- Brightmark
- Synova

Table of Contents:

TABLE OF CONTENTS

- 1 INTRODUCTION 20
- 1.1 OBJECTIVES OF THE STUDY 20
- 1.2 MARKET DEFINITION 20
- 1.3 OVERVIEW 20
- 1.4 LIMITATIONS 21
- 1.5 MARKETS COVERED 22
- 2 MARKET SEGMENTATION 25
- 2.1 MARKETS COVERED 25
- 2.2 GEOGRAPHICAL SCOPE 26
- 2.3 YEARS CONSIDERED FOR THE STUDY 27
- 2.4 CURRENCY AND PRICING 27
- 2.5 DBMR TRIPOD DATA VALIDATION MODEL 28
- 2.6 TECHNOLOGY LIFELINE CURVE 31
- 2.7 MULTIVARIATE MODELING 32
- 2.8 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS 33
- 2.9 DBMR MARKET POSITION GRID 34
- 2.10 DBMR MARKET CHALLENGE MATRIX 35
- 2.11 DBMR VENDOR SHARE ANALYSIS 36
- 2.12 SECONDARY SOURCES 37
- 2.13 ASSUMPTIONS 38
- 3 EXECUTIVE SUMMARY 39
- 4 PREMIUM INSIGHTS 41
- 4.1 PORTER'S FIVE FORCES 42

Scotts International. EU Vat number: PL 6772247784

- 4.1.1 THREAT OF NEW ENTRANTS 42
- 4.1.2 THREAT OF SUBSTITUTES 43
- 4.1.3 CUSTOMER BARGAINING POWER 43
- 4.1.4 SUPPLIER BARGAINING POWER 43
- 4.1.5 INTERNAL COMPETITION (RIVALRY) 44
- 4.2 VENDOR SELECTION CRITERIA 45?
- 4.3 PESTLE ANALYSIS 47
- 4.3.1 POLITICAL FACTORS 47
- 4.3.2 ECONOMIC FACTORS 48
- 4.3.3 SOCIAL FACTORS 48
- 4.3.4 TECHNOLOGICAL FACTORS 48
- 4.3.5 LEGAL FACTORS 49
- 4.3.6 ENVIRONMENTAL FACTORS 49
- 4.4 CLIMATE CHANGE SCENARIO 50
- 4.4.1 ENVIRONMENTAL CONCERNS 50
- 4.4.2 INDUSTRY RESPONSE 50
- 4.4.3 GOVERNMENT'S ROLE 51
- 4.4.4 ANALYST RECOMMENDATION 51
- 4.5 RAW MATERIAL COVERAGE 52
- 4.6 TECHNOLOGICAL ADVANCEMENTS 53
- **5 REGULATION COVERAGE 54**
- 5.1 REGULATORY FRAMEWORK AND GUIDELINES 54
- 6 MARKET OVERVIEW 56
- **6.1 DRIVERS 58**
- 6.1.1 SHIFTING INCLINATION TOWARDS CIRCULAR ECONOMY FROM COMPANIES AND VARIOUS GOVERNMENTS 58
- 6.1.2 POSITIVE OUTLOOK TOWARDS SUSTAINABLE PLASTIC WASTE MANAGEMENT 59
- 6.1.3 INCREASING CAPABILITY OF CHEMICAL COMPANIES TO UNLOCK VALUABLE RESOURCES THROUGH INNOVATIVE RECYCLING METHODS 60
- 6.2 RESTRAINTS 61
- 6.2.1 THE LACK OF WELL-ESTABLISHED RECYCLING INFRASTRUCTURE AND LOGISTICAL CHALLENGE 61
- 6.2.2 HIGH INVESTMENT COST ASSOCIATED WITH INITIAL INSTALLATION OF EQUIPMENT AND FACILITIES 62
- 6.3 OPPORTUNITIES 63
- 6.3.1 RISING ACCESS TOWARDS PREMIUM QUALITY EQUIPMENT AND CONSUMABLES FOR INDUCING RECYCLING PRACTICES 63
- 6.3.2 EXTENSIVE SCOPE OF SYNERGIZING THE EXPERTISE BETWEEN TECHNOLOGICAL PROVIDERS AND CHEMICAL

MANUFACTURERS 63

- 6.4 CHALLENGE 64
- 6.4.1 ISSUES ASSOCIATED WITH HANDLING OF RECYCLABLE WASTE 64
- 7 ASIA PACIFIC ADVANCED RECYCLING TECHNOLOGIES MARKET, BY TECHNOLOGY 65
- 7.1 OVERVIEW 66
- 7.2 PYROLYSIS/CRACKING 67
- 7.3 GASIFICATION 68
- 7.4 DEPOLYMERIZATION 68
- 7.5 MICROWAVE 69
- 8 ASIA PACIFIC ADVANCED RECYCLING TECHNOLOGIES MARKET, BY PROCESS OUTPUT 70
- 8.1 OVERVIEW 71
- 8.2 NAPHTHA 72
- 8.3 HEAVY GAS OIL 73

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 8.4 WAX RESIDUE 73
- 9 ASIA PACIFIC ADVANCED RECYCLING TECHNOLOGIES MARKET, BY END USE 74
- 9.1 OVERVIEW 75
- 9.2 PACKAGING 76
- 9.2.1 NON-FOOD PACKAGING 76
- 9.2.2 FOOD & BEVERAGES PACKAGING 76
- 9.3 INFRASTRUCTURE & CONSTRUCTION 76
- 9.4 CONSUMER ELECTRONICS 78
- 9.5 AUTOMOTIVE 78
- 10 ASIA PACIFIC ADVANCED RECYCLING TECHNOLOGIES MARKET, BY REGION 79
- 10.1 ASIA-PACIFIC 80
- 10.1.1 INDIA 85
- 10.1.2 CHINA 86
- 10.1.3 SOUTH KOREA 87
- 10.1.4 JAPAN 88
- 10.1.5 TAIWAN 89
- 10.1.6 AUSTRALIA & NEW ZEALAND 90
- 10.1.7 MALAYSIA 91
- 10.1.8 PHILIPPINES 92
- 10.1.9 INDONESIA 93
- 10.1.10 SINGAPORE 94
- 10.1.11 THAILAND 95
- 10.1.12 REST OF ASIA-PACIFIC 96
- 11 ASIA PACIFIC ADVANCED RECYCLING TECHNOLOGIES MARKET: COMPANY LANDSCAPE 97
- 11.1 COMPANY SHARE ANALYSIS: ASIA PACIFIC 97
- 11.2 COLLABORATION 98
- 11.3 PLANT CONSTRUCTION 98
- 11.4 CONSTRUCTION COMMENCEMENT 99
- 11.5 JOINT VENTURE 99
- 11.6 PRODUCTION CAPACITY 99
- 12 SWOT ANALYSIS 100
- 13 COMPANY PROFILES 101
- 13.1 HONEYWELL INTERNATIONAL INC. 101
- 13.1.1 COMPANY SNAPSHOT 101
- 13.1.2 REVENUE ANALYSIS 101
- 13.1.3 COMPANY SHARE ANALYSIS 102
- 13.1.4 PRODUCT PORTFOLIO 102
- 13.1.5 RECENT DEVELOPMENTS 102
- 13.2 CHEVRON PHILLIPS CHEMICAL COMPANY LLC 104
- 13.2.1 COMPANY SNAPSHOT 104
- 13.2.2 COMPANY SHARE ANALYSIS 104
- 13.2.3 PRODUCT PORTFOLIO 104
- 13.2.4 RECENT DEVELOPMENTS 105
- 13.3 SYNOVA 106
- 13.3.1 COMPANY SNAPSHOT 106
- 13.3.2 COMPANY SHARE ANALYSIS 106
- 13.3.3 PRODUCT PORTFOLIO 106

Scotts International. EU Vat number: PL 6772247784

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

- 13.3.4 RECENT DEVELOPMENTS 107
- 13.4 ENERKEM 108
- 13.4.1 COMPANY SNAPSHOT 108
- 13.4.2 COMPANY SHARE ANALYSIS 108
- 13.4.3 PRODUCT PORTFOLIO 109
- 13.4.4 RECENT DEVELOPMENTS 109
- 13.5 BRIGHTMARK 111
- 13.5.1 COMPANY SNAPSHOT 111
- 13.5.2 COMPANY SHARE ANALYSIS 111
- 13.5.3 PRODUCT PORTFOLIO 112
- 13.5.4 RECENT DEVELOPMENTS 112?
- 13.6 AGILYX 114
- 13.6.1 COMPANY SNAPSHOT 114
- 13.6.2 REVENUE ANALYSIS 114
- 13.6.3 PRODUCT PORTFOLIO 115
- 13.6.4 RECENT DEVELOPMENTS 115
- 13.7 BLUEALP INNOVATIONS BV 117
- 13.7.1 COMPANY SNAPSHOT 117
- 13.7.2 PRODUCT PORTFOLIO 117
- 13.7.3 RECENT DEVELOPMENT 117
- 13.8 GARBO SRL 118
- 13.8.1 COMPANY SNAPSHOT 118
- 13.8.2 PRODUCT PORTFOLIO 118
- 13.8.3 RECENT DEVELOPMENTS 118
- 13.9 GR3N RECYCLING 119
- 13.9.1 COMPANY SNAPSHOT 119
- 13.9.2 PRODUCT PORTFOLIO 119
- 13.9.3 RECENT DEVELOPMENTS 120
- 13.10 LOOP INDUSTRIES, INC. 121
- 13.10.1 COMPANY SNAPSHOT 121
- 13.10.2 PRODUCT PORTFOLIO 121
- 13.10.3 RECENT DEVELOPMENTS 122
- 13.11 MURA TECHNOLOGY LIMITED 123
- 13.11.1 COMPANY SNAPSHOT 123
- 13.11.2 PRODUCT PORTFOLIO 123
- 13.11.3 RECENT DEVELOPMENTS 124
- 13.12 OLEFY TECHNOLOGIES LTD. 126
- 13.12.1 COMPANY SNAPSHOT 126
- 13.12.2 PRODUCT PORTFOLIO 126
- 13.12.3 RECENT DEVELOPMENTS 126
- 13.13 PLASTIC ENERGY 127
- 13.13.1 COMPANY SNAPSHOT 127
- 13.13.2 PRODUCT PORTFOLIO 127
- 13.13.3 RECENT DEVELOPMENTS 128
- 13.14 POLYSTYVERT 129
- 13.14.1 COMPANY SNAPSHOT 129
- 13.14.2 PRODUCT PORTFOLIO 129

Scotts International. EU Vat number: PL 6772247784

- 13.14.3 RECENT DEVELOPMENTS 130?
- 13.15 PYROWAVE 131
- 13.15.1 COMPANY SNAPSHOT 131
- 13.15.2 PRODUCT PORTFOLIO 131
- 13.15.3 RECENT DEVELOPMENT 132
- 13.16 QUANTAFUEL ASA 133
- 13.16.1 COMPANY SNAPSHOT 133
- 13.16.2 REVENUE ANALYSIS 133
- 13.16.3 PRODUCT PORTFOLIO 134
- 13.16.4 RECENT DEVELOPMENT 134
- 13.17 RECYCLING AVENUE 135
- 13.17.1 COMPANY SNAPSHOT 135
- 13.17.2 PRODUCT PORTFOLIO 135
- 13.17.3 RECENT DEVELOPMENT 135
- 14 QUESTIONNAIRE 136
- 15 RELATED REPORTS 139



To place an Order with Scotts International:

☐ - Print this form

APAC Advanced Recycling Technologies Market- Industry Trends and Forecast to 2030

Market Report | 2023-07-01 | 139 pages | Data Bridge Market Research

☐ - Complete the re	elevant blank fields and sign			
- Send as a scan	ned email to support@scotts-i	nternational.com		
ORDER FORM:				
Select license	License			Price
	Single User License			\$3500.00
	Corporate Users License			\$4200.00
				VAT
				Total
	ant license option. For any questi			
□** VAT will be added a	at 23% for Polish based companie	s, individuals and EU based co	ompanies who are unable to p	rovide a valid EU Vat Numbe
- um [DI st		
Email*		Phone*		
First Name*		Last Name*		
Job title*				
Company Name* [EU Vat / Tax ID /	NIP number*	
Address*		City*		
Zip Code*		Country*		
		Date	2025-06-26	
		Signature		
		Signature		

Scotts International. EU Vat number: PL 6772247784