Smart Waste Management Market by Solution (Asset Management, Analytics & Reporting, Fleet Tracking & Monitoring, Mobile Workforce Management), Service (Consulting, Managed), Application (Retail, Manufacturing, Healthcare) - Global Forecast to 2021

Description: The smart waste management market is projected to grow from USD 1.08 billion in 2016 to USD 2.37 billion by 2021, at a Compound Annual Growth Rate (CAGR) of 16.9% due to increase in the number of smart city initiatives and strict regulations imposed by regulating bodies for environment protection and waste disposal.

Optimization solutions segment is estimated to grow at the highest rate during the forecast period. The key trends contributing to this market growth are the increased usage of connected devices that help in easing the monitoring and tracking of fleets and workforce.

The manufacturing and industrial application is expected to have the largest market size during the forecast period due to generation of large quantities of waste. The waste generated from chemicals and manufacturing facilities is hazardous and has different disposal regulations, which have led the manufacturing and industrial application segment to focus more on smart waste management.

North America is expected to hold the largest market share of the smart waste management market in 2016 owing to strict regulations and technological advancements. APAC is expected to have the highest growth rate during the forecast period owing to the increasing adoption of technology and cheap availability of connectivity hardware.

In the process of determining and verifying the market size for several segments and sub-segments gathered through secondary research, extensive primary interviews were conducted with key industry personnel. The break-up of the profiles of primary discussion participants is given below.

- By Company: Tier-1 (55%), Tier-2 (20%), and Tier-3 (25%) companies
- By Designation: C-level (60%), Director Level (25%), and Others (15%)
- By Region: North America (10%), Europe (20%), APAC (40%), and Rest of World (30%)

The major trends in the smart waste management market include increasing generation of waste resulting in landfill problems and the need for operational efficiency for waste collection service providers. Huge opportunities are present for smart waste management in the untapped geographic regions, especially in the Middle East and Latin America.

The report also contains the profiling and competitive landscape of the major technology vendors. Some of the major technology vendors include IBM Corporation, SAP SE, Waste Management, Inc., Enevo Oy, BigBelly Solar, Inc., SmartBin, Ecube Labs, Urbiotica SL, WAVIoT, and Pepperl+Fuchs.

Reasons to buy this report:

From an insight perspective, this research report has focused on various levels of analysis-industry analysis (industry trends), market share analysis of top players, supply chain analysis, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the smart waste management market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

- Market Penetration: Comprehensive information on smart waste management offered by the top players in the global smart waste management market
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the smart waste management market

- Market Development: Comprehensive information about lucrative emerging markets—the report analyzes the markets for smart waste management across regions

- Market Diversification: Exhaustive information about new products, untapped regions, recent developments, and investments in the global smart waste management market

- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of the leading players in the global smart waste management market

Contents:

1 Introduction
   1.1 Objectives of the Report
   1.2 Market Definition
   1.3 Market Scope
      1.3.1 Markets Covered
      1.3.2 Years Considered in the Report
   1.4 Currency
   1.5 Limitations
   1.6 Stakeholders

2 Research Methodology
   2.1 Introduction
      2.1.1 Secondary Data
         2.1.1.1 Key Data From Secondary Sources
      2.1.2 Primary Data
         2.1.2.1 Key Data From Primary Sources
         2.1.2.2 Key Industry Insights
         2.1.2.3 Breakdown of Primaries
   2.2 Market Size Estimation
      2.2.1 Bottom-Up Approach
      2.2.2 Top-Down Approach
   2.3 Market Breakdown and Data Triangulation
   2.4 Research Assumptions and Limitations
      2.4.1 Assumptions
      2.4.2 Limitations

3 Executive Summary

4 Premium Insights
   4.1 Attractive Market Opportunities in the Smart Waste Management Market
   4.2 Smart Waste Management Market, By Region (2016 vs 2021)
   4.3 Smart Waste Management Market, By Application, 2016-2021
   4.4 Smart Waste Management Market, Regions vs Solutions, 2016-2021
   4.5 Lifecycle Analysis, By Region 2016
   4.6 Market Investment Scenario

5 Market Overview
   5.1 Introduction
   5.2 Market Evolution
   5.3 Market Segmentation
      5.3.1 By Solution
      5.3.2 By Service
      5.3.3 By Application
      5.3.4 By Region
   5.4 Market Dynamics
      5.4.1 Drivers
         5.4.1.1 Need for Energy and Time Efficiency
         5.4.1.2 Need to Adhere to the Regulatory Compliances
         5.4.1.3 Increasing Smart City Initiatives
      5.4.2 Restraints
5.4.2.1 Lack of Proper Funding and High Initial Cost
5.4.2.2 Low Level of Operational Efficiency and Technology Infrastructure in the Emerging Countries

5.4.3 Opportunities
5.4.3.1 Evolution of Internet of Things and Smart Technology
5.4.3.2 Environmental Concerns and Green Initiatives

5.4.4 Challenges
5.4.4.1 Lack of Awareness Regarding Smart Waste Management Solutions

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Strategic Benchmarking

7 Smart Waste Management Market Analysis, By Solution
7.1 Introduction
7.2 Optimization Solutions
7.2.1 Fleet Tracking and Monitoring
7.2.2 Remote Device Monitoring
7.2.3 Mobile Workforce Management
7.3 Analytics and Reporting Solutions
7.3.1 Advanced Analytics
7.3.2 Data Management
7.3.3 Dashboards and Platforms
7.4 Asset Management
7.5 Network Management
7.6 Others

8 Smart Waste Management Market Analysis, By Service
8.1 Introduction
8.2 Professional Services
8.2.1 Consulting Services
8.2.2 Integration and Deployment Services
8.2.3 Support and Maintenance Services
8.3 Managed Services

9 Smart Waste Management Market Analysis, By Application
9.1 Introduction
9.2 Manufacturing and Industrial
9.3 Food and Retail
9.4 Municipalities
9.5 Construction
9.6 Healthcare
9.7 Colleges and Universities

10 Geographic Analysis
10.1 Introduction
10.2 North America
10.3 Europe
10.4 Asia-Pacific (APAC)
10.5 Middle East and Africa (MEA)
10.6 Latin America

11 Competitive Landscape
11.1 Overview
11.2 Portfolio Comparison
11.3 Competitive Situation and Trends
11.3.1 Partnerships and Collaborations
11.3.2 Business Expansions
11.3.3 New Product Launches
11.3.4 Mergers and Acquisitions

12 Company Profiles
12.1 Introduction
(Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, Ratio Analysis, MnM View)*
12.2 IBM Corporation
12.3 SAP SE
12.4 Waste Management, Inc.
12.5 Enevo OY
12.6 Bigbelly Solar, Inc.
12.7 Smartbin
12.8 Ecube Labs Co., Ltd.
12.9 Urbiótica, S.L
12.10 Waviot
12.11 Pepperl+Fuchs GmbH

*Details on Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, MnM View Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
13.1 Insight of Industry Experts
13.2 Discussion Guide

List of Tables
Table 1 Smart Waste Management Market Size, By Component, 2014-2021 (USD Million)
Table 2 Smart Waste Management Market Size, By Solution, 2014-2021 (USD Million)
Table 3 Smart Waste Management Solution Market Size, By Region, 2014-2021 (USD Million)
Table 4 Optimization Solutions: Smart Waste Management Market Size, 2014-2021 (USD Million)
Table 5 Optimization Solutions: Smart Waste Management Market Size, By Region 2014-2021 (USD Million)
Table 6 Fleet Tracking and Monitoring: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 7 Remote Device Monitoring: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 8 Mobile Workforce Management: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 9 Analytics and Reporting Solutions: Smart Waste Management Market Size, 2014-2021 (USD Million)
Table 10 Analytics and Reporting Solutions: Smart Waste Management Market Size, By Region 2014-2021 (USD Million)
Table 11 Advanced Analytics: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 12 Data Management: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 13 Dashboards and Platforms: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 14 Asset Management: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 15 Network Management: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 16 Others: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 17 Smart Waste Management Market Size, By Service, 2014-2021 (USD Million)
Table 18 Smart Waste Management Services Market Size, By Region, 2014-2021 (USD Million)
Table 19 Professional Services: Smart Waste Management Market Size, 2014-2021 (USD Million)
Table 20 Professional Services: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 21 Consulting Services: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 22 Integration and Deployment Services: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 23 Support and Maintenance Services: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 24 Managed Services: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 25 Smart Waste Management Market Size, By Application, 2014-2021 (USD Million)
Table 26 Manufacturing and Industrial: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 27 Food and Retail: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 28 Municipalities: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 29 Construction: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 30 Healthcare: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 31 Colleges and Universities: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 32: Smart Waste Management Market Size, By Region, 2014-2021 (USD Million)
Table 33: North America: Smart Waste Management Market Size, By Component, 2014-2021 (USD Million)
Table 34: North America: Smart Waste Management Market Size, By Solution, 2014-2021 (USD Million)
Table 35: North America: Optimization Solution Market Size, By Type, 2014-2021 (USD Million)
Table 36: North America: Analytics and Reporting Solution Market Size, By Type, 2014-2021 (USD Million)
Table 37: North America: Smart Waste Management Market Size, By Service, 2014-2021 (USD Million)
Table 38: North America: Professional Services Market Size, By Type, 2014-2021 (USD Million)
Table 39: North America: Smart Waste Management Market Size, By Application, 2014-2021 (USD Million)
Table 40: Europe: Smart Waste Management Market Size, By Component, 2014-2021 (USD Million)
Table 41: Europe: Smart Waste Management Market Size, By Solution, 2014-2021 (USD Million)
Table 42: Europe: Optimization Solution Market Size, By Type, 2014-2021 (USD Million)
Table 43: Europe: Analytics and Reporting Solution Market Size, By Type, 2014-2021 (USD Million)
Table 44: Europe: Smart Waste Management Market Size, By Service, 2014-2021 (USD Million)
Table 45: Europe: Professional Services Market Size, By Type, 2014-2021 (USD Million)
Table 46: Europe: Smart Waste Management Market Size, By Application, 2014-2021 (USD Million)
Table 47: Asia-Pacific: Smart Waste Management Market Size, By Component, 2014-2021 (USD Million)
Table 48: Asia-Pacific: Smart Waste Management Market Size, By Solution, 2014-2021 (USD Million)
Table 49: Asia-Pacific: Optimization Solution Market Size, By Type, 2014-2021 (USD Million)
Table 50: Asia-Pacific: Analytics and Reporting Solution Market Size, By Type, 2014-2021 (USD Million)
Table 51: Asia-Pacific: Smart Waste Management Market Size, By Service, 2014-2021 (USD Million)
Table 52: Asia-Pacific: Professional Services Market Size, By Type, 2014-2021 (USD Million)
Table 53: Asia-Pacific: Smart Waste Management Market Size, By Application, 2014-2021 (USD Million)
Table 54: Middle East and Africa: Smart Waste Management Market Size, By Component, 2014-2021 (USD Million)
Table 55: Middle East and Africa: Smart Waste Management Market Size, By Solution, 2014-2021 (USD Million)
Table 56: Middle East and Africa: Optimization Solution Market Size, By Type, 2014-2021 (USD Million)
Table 57: Middle East and Africa: Analytics and Reporting Solution Market Size, By Type, 2014-2021 (USD Million)
Table 58: Middle East and Africa: Smart Waste Management Market Size, By Service, 2014-2021 (USD Million)
Table 59: Middle East and Africa: Professional Services Market Size, By Type, 2014-2021 (USD Million)
Table 60: Middle East and Africa: Smart Waste Management Market Size, By Application, 2014-2021 (USD Million)
Table 61: Latin America: Smart Waste Management Market Size, By Component, 2014-2021 (USD Million)
Table 62: Latin America: Smart Waste Management Market Size, By Solution, 2014-2021 (USD Million)
Table 63: Latin America: Optimization Solution Market Size, By Type, 2014-2021 (USD Million)
Table 64: Latin America: Analytics and Reporting Solution Market Size, By Type, 2014-2021 (USD Million)
Table 65: Latin America: Smart Waste Management Market Size, By Service, 2014-2021 (USD Million)
Table 66: Latin America: Professional Services Market Size, By Type, 2014-2021 (USD Million)
Table 67: Latin America: Smart Waste Management Market Size, By Application, 2014-2021 (USD Million)
Table 68: Partnerships and Collaborations, 2014-2016
Table 70: Mergers and Acquisitions, 2014-2016

List of Figures

Figure 1: Global Smart Waste Management Market: Research Design
Figure 2: Market Size Estimation Methodology: Bottom-Up Approach
Figure 3: Market Size Estimation Methodology: Top-Down Approach
Figure 4: Market Breakdown and Data Triangulation
Figure 5: Smart Waste Management Market is Expected to Witness High Growth During the Forecast Period
Figure 6: Top Three Segments for the Smart Waste Management Market During 2016-2021
Figure 7: North America is Expected to Hold the Largest Market Share in 2016
Figure 8: Regulatory Compliance is Driving the Market Towards Growth
Figure 9: Asia-Pacific is Expected to Witness the Highest Growth Rate During the Forecast Period
Figure 10: Healthcare Segment to Grow at the Highest Rate in the Smart Waste Management Application Market
Figure 11: Analytics and Reporting Solutions Segment is Expected to Lead the Smart Waste Management Market in Terms of Market Share in 2016
Figure 12: Evolution of Smart Waste Management Market
Figure 13: Smart Waste Management Market Segmentation: By Solution
Figure 14: Smart Waste Management Market Segmentation: By Service
Figure 15: Smart Waste Management Market Segmentation: By Application
Figure 18 Smart Waste Management Market Segmentation: By Region
Figure 19 Smart Waste Management Market: Drivers, Restraints, Opportunities, and Challenges
Figure 20 Smart Waste Management Market: Value Chain Analysis
Figure 21 Companies Adopt Different Strategies to Gain Competitive Advantage
Figure 22 Analytics and Reporting Solutions Segment is Expected to Lead the Smart Waste Management
Solutions Market in Terms of Market Size in 2016
Figure 23 Majority of the Market is Expected to Be Dominated By Professional Services During the Forecast
Period
Figure 24 Healthcare Segment Holds the Maximum Opportunity for Growth During the Forecast Period
Figure 25 Asia-Pacific: an Attractive Destination for Smart Waste Management Market, 2016-2021
Figure 26 Asia-Pacific has the Highest Growth Rate From 2016 to 2021
Figure 27 Regional Snapshot: Asia-Pacific as A Hotspot During the Period 2016-2021
Figure 28 North America Market Snapshot
Figure 29 Asia-Pacific Market Snapshot
Figure 30 Companies Adopted Partnerships, Agreements, and Collaborations as the Key Growth Strategy
Between 2014 and 2016
Figure 31 Smart Waste Management Market: Portfolio Comparison
Figure 32 Market Evaluation Framework
Figure 33 Battle for Market Share: New Product Launch is the Key Strategy Adopted By Companies in the
Smart Waste Management Market Between 2014 and 2016
Figure 34 IBM Corporation: Company Snapshot
Figure 35 IBM Corporation: SWOT Analysis
Figure 36 SAP SE: Company Snapshot
Figure 37 SAP SE: SWOT Analysis
Figure 38 Waste Management, Inc.: Company Snapshot
Figure 39 Waste Management, Inc.: SWOT Analysis
Figure 40 Enevo OY: SWOT Analysis
Figure 41 Bigbelly Solar, Inc.: SWOT Analysis

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/3801996/](http://www.researchandmarkets.com/reports/3801996/)
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Smart Waste Management Market by Solution (Asset Management, Analytics & Reporting, Fleet Tracking & Monitoring, Mobile Workforce Management), Service (Consulting, Managed), Application (Retail, Manufacturing, Healthcare) - Global Forecast to 2021
Web Address: http://www.researchandmarkets.com/reports/3801996/
Office Code: SC2GPOBX

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr</th>
<th>Mrs</th>
<th>Dr</th>
<th>Miss</th>
<th>Ms</th>
<th>Prof</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td></td>
<td></td>
<td></td>
<td>Last Name:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: _______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World