Emission Monitoring Systems Market by System Type (CEMS, PEMS), Element, Vertical (Power Generation Plant, Oil & Gas, Chemicals & Fertilizers, Cement, Metal & Mining, Pulp & Paper), and Region - Global Trend and Forecast to 2020

Description: The emission monitoring systems market is expected to grow at a CAGR of 10.4% between 2015 and 2020. A key driving factor for the growth of the emission monitoring systems market is stringent legal and environmental regulations. Besides, several other factors such as increased awareness about environmental protection needs, increasing health and safety issues, and growth of oil & gas and petrochemical industries. The emission monitoring systems market for the oil & gas vertical is expected to grow at the highest CAGR. The market in the oil & gas vertical is estimated to grow at a high CAGR during the forecast period. Oil & gas companies worldwide prefer CEMS or PEMS to not only minimize emissions but also to measure them continuously. Further, they use emission monitoring systems to meet the increasingly stringent gas turbine emission regulations.

APAC is the fastest-growing market for emission monitoring systems. The market in APAC is expected to grow at a high CAGR between 2015 and 2020. The growth is attributed to the increasing industrialization and urbanization in the APAC region. The stringent air pollution regulations and growth in power, cement, and mining industries in emerging economies are some of the factors responsible for the increasing adoption of emission monitoring systems. Further, the developing countries in APAC are also focused on addressing environmental issues and improving their environmental regulations.

Break-up of profile of primary participants for the report as given below:
? By Company Type - Tier 1 – 55 %, Tier 2 – 20% and Tier 3 – 25%
? By Designation – C level – 45%, Director level – 25%, Manager level – 30%
? By Region – North America - 35%, Europe – 30%, APAC – 25%, RoW – 10%

The key players in the market include ABB Ltd. (Switzerland), Emerson Electric Co. (U.S.), General Electric (U.S.), Rockwell Automation Inc. (U.S.), Siemens AG (Germany), Parker Hannifin Corp. (U.S.), Teledyne Technologies Inc. (U.S.), and Thermo Fisher Scientific Inc. (U.S.) among others.

Reasons to buy the report:
- This report includes the market statistics pertaining to system type, element, vertical, and geography.
- The Porter's five forces framework has been utilized along with the value chain analysis to provide an in-depth insight into the emission monitoring systems market.
- Major drivers, restraints, and opportunities for the emission monitoring systems market have been detailed in this report.
- Illustrative segmentation, analysis, and forecast for markets based on system type, element, vertical, and geography has been conducted to give an overall view of the emission monitoring systems market.
- A detailed competitive landscape includes key players, in-depth analysis, and revenue of key players.

Contents:
1 Introduction
   1.1 Objectives of the Study
   1.2 Market Definition
   1.3 Scope of the Study
      1.3.1 Market Covered
      1.3.2 Years Considered for the Study
   1.4 Currency & Pricing
   1.5 Limitations
   1.6 Stakeholders

2 Research Methodology
   2.1 Research Data
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 & Data Triangulation

2.4 Research Assumptions

3 Executive Summary

4 Premium Insights - Emission Monitoring Systems Market (Page No. - 26)
   4.1 Emission Monitoring Systems Market, 2015-2020 (USD Billion)
   4.2 Key Verticals of Emission Monitoring Systems Market (2015-2020)
   4.3 Emission Monitoring Systems Market, By Element & Region - 2015
   4.4 Emission Monitoring Systems Market, By Geography - 2015
   4.5 Emission Monitoring Systems Market, By System Type - 2020

5 Market Overview
   5.1 Introduction
   5.2 Market Segmentation
      5.2.1 By System Type
      5.2.2 By Element
      5.2.3 By Vertical
      5.2.4 By Geography
   5.3 Market Dynamics
      5.3.1 Drivers
         5.3.1.1 Stringent Legal and Environmental Regulations are Expected to Drive the EMS Market
         5.3.1.2 Increased Awareness of Environmental Protection Needs
         5.3.1.3 Increasing Health and Safety Issues Would Upsurge the Demand for EMS
         5.3.1.4 Growth of Oil, Gas, and Petrochemical Industries
      5.3.2 Restraints
         5.3.2.1 High Costs of CEMS for Regular Maintenance
         5.3.2.2 Fragmented Market With Many Specialist Suppliers
      5.3.3 Opportunities
         5.3.3.1 Growing Demand From Emerging Economies is Expected to Be the Future of EMS Market
      5.3.4 Challenges
         5.3.4.1 High Cost of Emission Monitoring Systems
         5.3.4.2 Compliance of Epa Guidelines

6 Industry Trends
   6.1 Introduction
   6.2 Value Chain Analysis
   6.3 Porter's Five Forces Model
      6.3.1 Intensity of Rivalry
      6.3.2 Threat of Substitutes
      6.3.3 Bargaining Power of Buyers
      6.3.4 Bargaining Power of Suppliers
      6.3.5 Threat of New Entrants

7 Market Analysis, By System Type
   7.1 Introduction
   7.2 Continuous Emission Monitoring System (CEMS)
   7.3 Predictive Emission Monitoring System (PEMS)

8 Market Analysis, By Element
   8.1 Introduction
   8.2 Hardware
   8.3 Software
   8.4 Services
9 Market Analysis, By Vertical
  9.1 Introduction
  9.2 Power Generation Plant
  9.3 Oil & Gas
  9.4 Cement
  9.5 Chemicals and Fertilizers
  9.6 Pharmaceutical
  9.7 Pulp & Paper
  9.8 Metal and Mining
  9.9 Marine and Shipping
  9.10 Waste Incineration

10 Regional Analysis
  10.1 Introduction
  10.2 North America
  10.3 Europe
  10.4 Asia-Pacific (APAC)
  10.5 Rest of the World (RoW)

11 Competitive Landscape
  11.1 Overview
  11.2 Market Ranking Analysis, Emission Monitoring Systems Market
  11.3 Competitive Situation and Trends
    11.3.1 New Product Launches and Developments
    11.3.2 Acquisitions and Expansions
    11.3.3 Contracts, Agreements, and Collaborations

12 Company Profiles
  12.1 Introduction
  (Overview, Financials, Products & Services, Strategy, and Developments)*
    12.2 ABB Ltd.
    12.3 Emerson Electric Co. (Emerson Process Management)
    12.4 General Electric Company
    12.5 Rockwell Automation Inc.
    12.6 Siemens AG
    12.7 Parker Hannifin Corporation
    12.8 Teledyne Technologies Inc.
    12.9 Thermo Fisher Scientific Inc.
    12.10 Cmc Solutions Llc
    12.11 Enviro Technology Services Plc.

*Details on Overview, Financials, Product & Services, Strategy, and Developments Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
  13.1 Insights of Industry Experts
  13.2 Discussion Guide
  13.3 Introducing RT: Real Time Market Intelligence
  13.4 Available Customizations
  13.5 Related Reports

List of Tables
Table 1 Emission Monitoring Systems Market, By Element, 2013 - 2020 (USD Million)
Table 2 Stringent Legal and Environmental Regulations to Increase the Adoption of Emission Monitoring Systems
Table 3 Need of Regular Maintenance Could Incur Additional Cost to EMS Equipment
Table 4 Growing Demand From Emerging Economies Expected to Boost the EMS Market
Table 5 High Capital Requirement is Constraining the Growth of the EMS Market
Table 6 Emission Monitoring Systems Market, By System Type, 2013 - 2020 (USD Million)
Table 7 CEMS Market, By Element, 2013 - 2020 (USD Million)
Table 8 CEMS Market, By Vertical, 2013 - 2020 (USD Million)
List of Figures

Figure 1 Research Methodology
Figure 2 Emission Monitoring Systems Market: Bottom Up Approach
Figure 3 Emission Monitoring Systems Market: Top-Down Approach
Figure 4 Data Triangulation
Figure 5 Assumptions of the Research Study
Figure 6 Emission Monitoring Systems Market Segmentation
Figure 7 PEMS is Expected to Grow at the Highest CAGR During 2015 and 2020
Figure 8 EMS Market Snapshot, By Vertical (2015 vs 2020): Power Generation Plants Expected to Be the Largest Market for EMS During the Forecast Period
Figure 9 APAC is Expected to Hold Highest Market Share in the EMS Market
Figure 10 Attractive Growth Opportunities in the Emission Monitoring Systems Market
Figure 11 Application in the Oil and Gas Vertical Expected to Witness High CAGR During the Forecast Period
Figure 12 APAC Expected to Hold the Largest Share in the Emission Monitoring Systems Market in 2015
Figure 13 China to Account for the Largest Share of the Emission Monitoring Systems Market in 2015
Figure 14 PEMS Expected to Witness Rapid Growth Between 2015 and 2020
Figure 15 Emission Monitoring Systems Market Segmentation, By Geography
Figure 16 Stringent Legal and Environmental Regulations Expected to Spur the Demand for Emission Monitoring Systems
Figure 17 Value Chain Analysis: Major Value Addition is Done During the Manufacturing and Assembling Phase
Figure 18 Porter's Five Forces Analysis (2014)
Figure 19 Emission Monitoring Systems Market: Porter's Five Forces Analysis
Figure 20 Emission Monitoring Systems Market: Intensity of Rivalry
Figure 21 Emission Monitoring Systems Market: Threat of Substitutes
Figure 22 Emission Monitoring Systems Market: Bargaining Power of Buyers
Figure 23 Emission Monitoring Systems Market: Bargaining Power of Suppliers
Figure 24 Emission Monitoring Systems Market: Threat of New Entrants
Figure 25 Emission Monitoring Systems Market Segmentation, By System Type
Figure 26 Hardware is Estimated to Hold the Largest Market Share of the CEMS Market
Figure 27 APAC Estimated to Lead the CEMS Market for Chemicals and Fertilizers Between 2015 and 2020
Figure 28 Software Estimated to Have the Largest Market for PEMS
Figure 29 APAC Expected to Lead the PEMS Market for the Cement Industry During the Forecast Period
Figure 30 APAC Expected to Be the Fastest Growing Market for PEMS in the Waste Sector During the Forecast Period
Figure 31 Emission Monitoring Systems Market Segmentation, By Element
Figure 32 Hardware is Estimated to Be the Largest Market for EMS
Figure 33 CEMS Expected to Lead the Hardware Market Between 2015 and 2020
Figure 34 PEMS Expected to Witness Rapid Growth in the Services Market
Figure 35 Power Generation Plants Estimated to Lead the Emission Monitoring Systems Market
Figure 36 PEMS Expected to Be the Fastest-Growing Market in the Oil & Gas Vertical
Figure 37 APAC Expected to Lead the Market for Chemicals and Fertilizers During the Forecast Period
Figure 38 APAC Expected to Lead the Market for Pulp & Paper Between 2015 and 2020
Figure 39 CEMS Estimated to Hold A Large Share of the Market for Waste Incineration in 2015
Figure 40 Geographic Snapshot - Developing Countries Emerging as New Hot Spots
Figure 41 Market Snapshot of North America (2014-2020): Demand Likely to Be Driven By the Increased Focus of the U.S. Epa on Reducing Emission Levels
Figure 42 Application in Power Generation Plants Expected to Lead the Emission Monitoring Systems Market in Europe
Figure 43 Asia Pacific: Emission Monitoring Systems Market Snapshot (2014-2020) - China is the Most Lucrative Market
Figure 44 The Middle East Expected to Lead as Well as Witness Rapid Growth Between 2015 and 2020
Figure 45 Companies Adopted New Product Launches as A Key Growth Strategy Over the Last Three Years
Figure 46 Market Evolution Framework: New Product Launches Fuelled Growth and Innovation Between 2013 and 2015
Figure 47 Battle for Market Share: New Product Launches Was the Key Strategy
Figure 48 Geographic Revenue Mix of Top Five Players
Figure 49 ABB Ltd.: Company Snapshot
Figure 50 ABB Ltd.: SWOT Analysis
Figure 51 Emerson Electric Co.: Company Snapshot
Figure 52 Emerson Electric Company: SWOT Analysis
Figure 53 General Electric Co.: Company Snapshot
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:** Emission Monitoring Systems Market by System Type (CEMS, PEMS), Element, Vertical (Power Generation Plant, Oil & Gas, Chemicals & Fertilizers, Cement, Metal & Mining, Pulp & Paper), and Region - Global Trend and Forecast to 2020

**Web Address:** http://www.researchandmarkets.com/reports/3501263/

**Office Code:** SC

**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)</td>
<td></td>
</tr>
<tr>
<td>Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last Name:</td>
<td></td>
<td></td>
<td></td>
<td></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