Environmental Sensing and Monitoring Technologies - Global Strategic Business Report

Description: This report analyzes the worldwide markets for Environmental Sensing and Monitoring Technologies in US$ Million by the following Segments: Air Monitoring, Water Monitoring, Soil Monitoring, and Noise Monitoring. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World.

Annual estimates and forecasts are provided for the period 2015 through 2022. Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 87 companies including many key and niche players such as -

- AirTest Technologies Inc.
- Applied Technologies, Inc.
- City Technology, Ltd.
- Coastal Environmental Systems, Inc.
- E.S.I. Environmental Sensors, Inc.

Contents:

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS
   Study Reliability and Reporting Limitations
   Disclaimers
   Data Interpretation & Reporting Level
   Quantitative Techniques & Analytics
   Product Definitions and Scope of Study
   Air Monitoring
   Water Monitoring
   Soil Monitoring
   Noise Monitoring

II. EXECUTIVE SUMMARY

1. MARKET OVERVIEW
   Environmental Sensing and Monitoring Technologies
   A Prelude
   Market Outlook
   Growth Stimulants in a Nutshell
   Major Concerns
   Growing Significance in Developing Nations
   Key Growth Drivers
   Legislations Drive Demand
   Concerns over GHG Emissions Fuel Need for Proactive Interventions
   Table 1: World CO2 Emissions by Country/Region: 2005, 2010 & 2015 (includes corresponding Graph/Chart)
   Table 2: Per Capita CO2 Emissions for Select Leading Countries/Regions: 2014 (includes corresponding Graph/Chart)
   Greenhouse Gases Largely Caused by Human Activity
   Rising Incidence of Environmental Disasters Increase Uptake
   Competitive Scenario

2. MARKET TRENDS/ISSUES
   Environment Sensing and Monitoring to Emerge as Mainstream Market
   Increasing Use of Environmental Sensing for Monitoring Climate Change
   IEM Critical for Addressing Climate Change
   Environmental Monitoring and Biodiversity
Innovative and Greener Products: Need of the Hour

Miniaturization Penetrates into Environmental Sensors Market

Remote Environmental Monitoring

Catching the Trend

Remote Sensing of Environment

Low Cost Model of Monitoring

Integrated Environmental-Economic Information Vital for Policy Makers

Analytics in Environment Sensing

Biosensors find Increasing Use

Improved Government Spending Drives Environmental Monitoring Market

Chemical Sensors

High Growth Prospects on Offer

Poor Water Quality Increases Demand for Dissolved Gases Sensors

Rise in Use of Gas Sensors for Environmental Monitoring

Innovative Sensor Technology Drives Advancements in Gas Detection Devices

MEMS Sensors Role in Automotive Applications

Pervasive Sensing Trend

Nano-Sensor Technology Demonstrate Bright Future Prospects

Extensive Use of Global Positioning Systems

Increasing Role of Remote Sensing Devices for On-Road Screening

Technological Advancements Driving Demand for Water Quality Monitoring Equipment

Opportunities in Store in the Marine Sector

Challenging Business Environment

Complexity and Uncertainty

Major Challenges for Environmental Monitoring

Longevity and Continuity

Important Parameters for Effective Monitoring Program

Budget Constraints

Haunting the Monitoring Programs

3. TECHNOLOGICAL ADVANCEMENTS

Optical Gas Imaging Camera

Enforcing Emission Control Policies

Martian Technology in Environmental Monitoring

Sensor-on-a-chip Technology

Presenting High Potential for Environmental Monitoring

Unmanned Aerial Vehicle for Environmental Monitoring

Cyro

Safeguarding the Seas

Advanced Amplifiers for Environmental Monitoring Systems

Advancements in Environmental Sensors

List of Few Advanced Environmental Sensors

New Advances in Environment Sensors

A Case of Two Companies

Geospatial Technology

New Technology to Monitor Air Pollution

Single-Chip Relative Humidity Sensors

Simplifying Humidity Measurement

Diffraction-based Sensors

Sensitive, Sturdy and Long Lasting

Micro Sensors for Ocean Acidification Monitoring

Fluorescence Technology to Detect Oil Leaks at Sea

IR-Based Methane Sensors for Monitoring Subsea Methane Releases

Nanostructure Sensors for Marine Monitoring Applications

4. AN INSIGHT INTO WIRELESS SENSOR TECHNOLOGY

Increasing Use of Wireless Sensor Technology in Industrial Applications

Growing Significance of Wireless Sensor Networks (WSNs) in Environmental Monitoring

WSNs Finds New Pockets of Growth in Agricultural Applications

Growing Pressure on World's Water Resources Makes WSNs Envious

Challenges in Operating a Wireless Sensor System

5. REGULATORY ENVIRONMENT
Focus on Select Regions
The US
Canada
Europe
China
Clean Room
Mandatory Demonstration of Performance

6. PRODUCT OVERVIEW
Environmental Monitoring
Types of Environmental Monitoring
Air Monitoring
Characteristics of Gas Sensors
Illustration of Particle Properties Measured by PM Sensors
Snapshot of Select Portable Air Pollution Sensors
Snapshot of Select PM Sensors
Water Monitoring
Soil Monitoring
Noise Monitoring
List of Components in Environmental Monitoring
Sensors
Classification
Advanced Technologies Driving Development of Smart Sensors
Microelectromechanical systems (MEMS)
Piezoelectric Materials
Solid State Field Analyzers
Data Processing and Data Analyzing Technologies
Wireless Networking
Overview of Sensors for Environmental Remediation and Monitoring
Catalytic Bead Sensors
Electrochemical Sensors
Table 3: Typical Gases Measured by Electrochemical Sensors
Electrochemical Sensors and Biosensors for Environmental Analysis
Flame Ionization Detector (FID)
Metal oxide Semiconductor Gas Sensors
Designing an Effective Monitoring Program
Sampling Methods
Grab Samples
Continuous and Semi-continuous Monitoring
Passive Sampling
Remote Surveillance
Remote Sensing
Bio-Monitoring
Other Sampling Techniques
End-Use Applications
Environmental Monitoring in Oil & Gas Industry
Growing Importance of Environmental Monitoring in Telecommunications
Environmental Sensors
Growing Demand in Agricultural Sector
Steady Growth in Automotive Sector Offers Sanguine Opportunities
Fuel Efficiency Requirements, Environmental Regulations Are Key Drivers

7. PRODUCT INTRODUCTIONS/APPROVALS
Vaisala Launches viewLinc Environmental Monitoring System
Helium Systems Introduces Helium Green Environmental Sensor
Bosch Sensortec Rolls Out BME680 Environmental Sensor
PerkinElmer Unveils Elm™ Air Monitoring Service

8. RECENT INDUSTRY ACTIVITY
ams to Take Over CCMOSS
R. M. Young Acquires EnviroTech Sensors
Airbnb Takes Over Lapka
Aclima and Google Team Up for Urban Air Quality Mapping
CoorsTek Takes Over Pegasor
TE Connectivity Acquires Measurement Specialties
TE Connectivity Acquires American Sensor Technologies

9. FOCUS ON SELECT PLAYERS
AirTest Technologies Inc. (Canada)
Applied Technologies, Inc. (US)
City Technology, Ltd. (UK)
Coastal Environmental Systems, Inc. (US)
E.S.I. Environmental Sensors, Inc. (Canada)
Lockheed Martin Corporation (US)
MEMSIC, Inc. (US)
Northrop Grumman Corp. (US)
Ocean Optics, Inc. (US)
Raytheon Company (US)
Sensors, Inc. (US)
TE Connectivity Ltd. (Switzerland)
Vaisala Oyj (Finland)

10. GLOBAL MARKET PERSPECTIVE
Table 4: World Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 5: World Historic Review for Environmental Sensing and Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 6: World 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Geographic Region
Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
By Segment
Table 7: World Recent Past, Current and Future Analysis for Air Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 8: World Historic Review for Air Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 9: World 14-Year Perspective for Air Monitoring Technologies by Geographic Region
Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 10: World Recent Past, Current and Future Analysis for Water Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 11: World Historic Review for Water Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 12: World 14-Year Perspective for Water Monitoring Technologies by Geographic Region
Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 13: World Recent Past, Current and Future Analysis for Soil Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
corresponding Graph/Chart)
Table 14: World Historic Review for Soil Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes
corresponding Graph/Chart)
Table 15: World 14-Year Perspective for Soil Monitoring Technologies by Geographic Region
Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin
America and Rest of World Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 16: World Recent Past, Current and Future Analysis for Noise Monitoring Technologies by Geographic
Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes
corresponding Graph/Chart)
Table 17: World Historic Review for Noise Monitoring Technologies by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes
corresponding Graph/Chart)
Table 18: World 14-Year Perspective for Noise Monitoring Technologies by Geographic Region
Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin
America and Rest of World Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES
A. Market Analysis
Current and Future Analysis
Market Overview
Challenges Encountered in Environmental Monitoring
Fiber Optic Environmental Monitoring
Investments and Technology Push Environmental Sensing Market Ahead
Key Statistics
Table 19: US Biosensors Market (2015E): Percentage Share Breakdown of Revenues by Application (includes
corresponding Graph/Chart)
Table 20: US Electrochemical Sensor Market (2015E): Percentage Share Breakdown of Revenues by End-Use
Market (includes corresponding Graph/Chart)
Product Launches
Strategic Corporate Developments
Key Players
B. Market Analytics
Table 21: The US Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring
Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed
with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding
Graph/Chart)
Table 22: The US Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed
with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding
Graph/Chart)
Table 23: The US 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise
Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

2. CANADA
A. Market Analysis
Current and Future Analysis
Oil Sand Regions to Kindle Market Growth
Strategic Corporate Development
Key Players
B. Market Analytics
Table 24: Canadian Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring
Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed
with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding
Graph/Chart)
3. JAPAN
Market Analysis

Table 27: Japanese Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 28: Japanese Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 29: Japanese 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4. EUROPE
A. Market Analysis
Current and Future Analysis
Market Overview
Continued Growth in Expenditure Bodes Well for the Market

Table 30: EU-28 Expenditure on Environmental Protection: 2008, 2010, 2012 & 2014 (includes corresponding Graph/Chart)
Table 32: Government and Corporate Entities' Investments in Environmental Protection in the EU (2015): Increasing Emphasis on Innovative Technologies
Air Emissions Monitoring Gains Significance
Water Monitoring Technologies also Amass Popularity
Lucrative Prospects Exist for Exports

B. Market Analytics

Table 33: European Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Geographic Region
France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 34: European Historic Review for Environmental Sensing and Monitoring Technologies by Geographic Region
France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 35: European 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Geographic Region
Percentage Breakdown of Revenues for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 38: European 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4a. FRANCE
Market Analysis
Table 39: French Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 40: French Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 41: French 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4b. GERMANY
A. Market Analysis
Current and Future Analysis
Product Launch
B. Market Analytics
Table 42: German Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 43: German Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 44: German 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4c. ITALY
Market Analysis
Table 45: Italian Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 46: Italian Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 47: Italian 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4d. THE UNITED KINGDOM
A. Market Analysis
Current and Future Analysis
Strategic Corporate Development
City Technology, Ltd.
A Key US-Based Player
B. Market Analytics
Table 48: The UK Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 49: The UK Historic Review for Environmental Sensing and Monitoring Technologies by Application

Table 50: The UK 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application

Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4e. SPAIN
Market Analysis
Table 51: Spanish Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application

Table 52: Spanish Historic Review for Environmental Sensing and Monitoring Technologies by Application

Table 53: Spanish 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application

Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4f. RUSSIA
A. Market Analysis
Current & Future Analysis
Strategic Corporate Development
B. Market Analytics
Table 54: Russian Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application

Table 55: Russian Historic Review for Environmental Sensing and Monitoring Technologies by Application

Table 56: Russian 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application

Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

4g. REST OF EUROPE
A. Market Analysis
Current and Future Analysis
EU Accession Plan Influences Turkey’s Environmental Regime and Technology Adoption
Product Launch
Strategic Corporate Development
Key Players
B. Market Analytics
Table 57: Rest of Europe Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application

Table 58: Rest of Europe Historic Review for Environmental Sensing and Monitoring Technologies by Application

Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
5. ASIA-PACIFIC
A. Market Analysis
Current and Future Analysis
Market Overview
Growth Drivers
B. Market Analytics
Table 60: Asia-Pacific Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Geographic Region
China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 61: Asia-Pacific Historic Review for Environmental Sensing and Monitoring Technologies by Geographic Region
China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 62: Asia-Pacific 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Geographic Region
Percentage Breakdown of Revenues for China and Rest of Asia-Pacific Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)
Table 63: Asia-Pacific Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 64: Asia-Pacific Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 65: Asia-Pacific 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

5a. CHINA
A. Market Analysis
Current and Future Analysis
Environmental Monitoring Market Sustains Pace
VOC Monitoring to Drive Growth
Changing Focus of Chinese Environmental Monitoring Program: A Comparison of Key Indicators of Air and Water Quality Monitoring for 12th and 13th Five-Year Plans
Competitive Landscape
Table 66: Leading Players in the Chinese Environmental Monitoring Equipment Market (2015): Percentage Breakdown of Revenue for Beijing SDL, FPI, Hanwei, Sailhero, Skyray and Others (includes corresponding Graph/Chart)
Table 67: A Comparison of R&D Expenditure and Expenditure Share of Revenue for Top Three Players in the Chinese Environmental Monitoring Equipment Market (includes corresponding Graph/Chart)
A Product-Line Comparison of Leading Five Players in the Chinese Environmental Monitoring Equipment Market by Segment
Air, Water and Soil Monitoring
Domestic Products to Gain Preference
Changes to Laws Boost Prospects for Environmental Technologies
B. Market Analytics
Table 68: Chinese Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 69: Chinese Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 70: Chinese 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

5b. REST OF ASIA-PACIFIC
A. Market Analysis
Focus on Select Regional Markets
Australia
Smart Environment Monitoring & Analysis Technologies (SEMAT) Project
India
Challenges and Opportunities Coexist
Korea
Increasingly Stringent Environmental Laws Drive Demand
Sizable Opportunities Exist for Water Monitoring Equipment
Indonesia
Efforts to Enforce Environmental Rules to Fuel Demand for Monitoring Equipment
B. Market Analytics
Table 71: Rest of Asia-Pacific Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 72: Rest of Asia-Pacific Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 73: Rest of Asia-Pacific 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

6. LATIN AMERICA
A. Market Analysis
Current & Future Analysis
Brazil
A Large and Growing Market
Brighter Prospects Ahead for Monitoring Equipment in Mexico
B. Market Analytics
Table 74: Latin American Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 75: Latin American Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 76: Latin American 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

7. REST OF WORLD
A. Market Analysis
Focus on Select Regional Markets
Saudi Arabia
Active Government Support to Curtail Pollution to Drive Growth

B. Market Analytics

Table 77: Rest of World Recent Past, Current and Future Analysis for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 78: Rest of World Historic Review for Environmental Sensing and Monitoring Technologies by Application
Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets Independently Analyzed with Annual Revenue Figures in US$ Million for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 79: Rest of World 14-Year Perspective for Environmental Sensing and Monitoring Technologies by Application
Percentage Breakdown of Revenues for Air Monitoring, Water Monitoring, Soil Monitoring and Noise Monitoring Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE Total Companies Profiled: 87 (including Divisions/Subsidiaries 92)
The United States (51)
Canada (6)
Europe (26)
- France (1)
- Germany (2)
- The United Kingdom (13)
- Italy (1)
- Rest of Europe (9)
Asia-Pacific (Excluding Japan) (9)

Ordering: Order Online - http://www.researchandmarkets.com/reports/2785223/

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: | Environmental Sensing and Monitoring Technologies - Global Strategic Business Report |
| Web Address: | http://www.researchandmarkets.com/reports/2785223/ |
| Office Code: | SC |

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

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 4950</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6930</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users:</td>
<td>USD 9405</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users:</td>
<td>USD 11880</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

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