

**Green Technology and Sustainability Market - Global Industry Size, Share, Trends,
Competition Forecast & Opportunities, 2018-2028**

**Segmented By Component (Solution, Services {Consulting, Integration and
Technology, Support and Maintenance}), By Technology (IoT, AI and Analytics,
Digital Twin, Cloud Computing, Security, Blockchain), By Application (Carbon
Footprint Management, Green Building, Water Purification, Water Leak Detection,
Fire Detection Soil Condition/Moisture Monitoring, Crop Monitoring, Forest
Monitoring, Weather Monitoring and Forecasting, Air and Water Pollution
Monitoring, Sustainable Mining and Exploration), By Region**

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Report description:

Global green technology and sustainability market are expected to expand during the forecast period due to increasing demand for green technology. Global issues, including climate change, overuse, and depletion of natural resources, rapid population expansion, and environmental pollution, are among the main causes of the increasing demand for green technology, which is less detrimental to the environment and aids in protecting natural resources.

According to its supply chain or manufacturing process, green technology is described as a category of technology that is thought to be environmentally beneficial. In other terms, the term "green technology" can also apply to the generation of clean energy,

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the use of substitute methods, and the use of fuels that are less damaging to the environment than fossil fuels. It covers a wide range of scientific disciplines, such as hydrology, atmospheric science, agriculture, and energy.

Growing Awareness and Concerns Towards the Environment

After significant events in the world, environmental conservation became a major topic. For instance, the massive industrial catastrophe in India in 1984, the oil crisis, the nuclear tragedy, the hole in the ozone layer, and the destruction of the Amazon rainforest. The significance of environmental health has been widely recognized as a result of these events. The environmental movement has started, and several governments, businesses, and organizations have passed laws and rules requiring green management. Additionally, when it comes to global warming, the United Nations' agenda's top priorities are "green" technology, green economics, and green lifestyles. Thus, green innovations will be accepted globally, and the green industry will make investments across all spheres of human endeavor. Only green technology is an advancement that does not affect living beings. Robotics, artificial intelligence, and automated vehicles use green digital at the core of the fourth industrial revolution. Since the depletion of fossil fuels poses a serious risk to sustainability and human advancement, companies can also get an advantage over rivals and gain market share by implementing green technologies. Green innovation lowers the cost of materials, energy, upkeep, and operations. Additionally, it can enhance a company's environmental reputation, particularly among environmentally conscious customers of competitors.

The Rise of the Internet of Things (IoT)

As digital technology and green technology are highly interdependent, cutting-edge technologies like the Internet of Things (IoT) will be crucial to the expansion of the green technology industry. The Internet of Things (IoT) is a sizable network of connected things that can talk to one another. Green technology will expand as a result of the IoT market's expansion and development. IoT technology can aid in enhancing sustainability in a variety of fields, including waste management, agriculture, wildlife preservation, construction, and wastewater management. Sustainable growth requires each of these components. The ultimate objective is to use IoT and green technology to enhance sustainability across all industries.

Increase in Consumer and Industrial Interest in the Use of Clean Energy Resources

Green technology advancements are mostly driven by an increase in energy consumption and greenhouse gas emissions. The focus on clean energy resources has grown as people are becoming more conscious of emissions from manufacturing industries like mining and forest monitoring. Major leading players are choosing these solutions at a significant rate due to the quick uptake of smart grid technology in various industries as well as the advantages of grid technology, such as cost-effectiveness and dependable grid integration, as well as technological innovation of green technology.

Market Segments

Green Technology and Sustainability Market are segmented into Component, technology, application, and region and competitive landscape. Based on component, the market is segmented into solutions and services. Based on services, the market is further divided into consulting, integration and technology, support, and maintenance. Based on technology, the market is segmented into IoT, AI and Analytics, Digital Twin, Cloud Computing, Security, and Blockchain. Based on Application, the market is segmented into Carbon Footprint Management, Green Building, Water Purification, Water Leak Detection, Fire Detection, Soil condition/Moisture Monitoring, Crop Monitoring, Forest Monitoring, Weather Monitoring and Forecasting, Air and Water Pollution Monitoring, Sustainable Mining, and Exploration.

Market Players

Major market players in the Global Green Technology and Sustainability Market are General Electric Company, Wolters Kluwer N.V., Salesforce.com Inc, Microsoft Corporation, Schneider Electric Infrastructure Ltd, Engie Impact, Sensus USA, Inc., Enviance, Inc, Intelx Technologies Inc., CropX Inc., Oracle Corporation.

Recent Developments

-□In 2020, the US Department of Energy's Versatile Test Reactor (VTR) will be designed and built by GE Hitachi Nuclear Energy (GEH) and TerraPower as part of a Public Private Partnership (DOE).

-□In 2021, CropX and NASA Harvest will work together as part of a partnership to deliver soil insights to NASA Harvest, a food security and agriculture initiative, allowing it to better track global agriculture. The data required to farm more sustainably by preserving resources and increasing yields will be made available to farmers and industry professionals by the two companies

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working together.

Report Scope:

In this report, Global Green Technology and Sustainability Market have been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

-□ Technology and Sustainability Market, By Component:

- o□Solution

- o□Services

- Consulting

- Integration and Technology

- Support and maintenance

-□ Technology and Sustainability Market, By Technology:

- o□IoT

- o□AI and Analytics

- o□Digital Twin

- o□Cloud Computing

- o□Security

- o□Blockchain

-□ Technology and Sustainability Market, By Application:

- o□Carbon Footprint Management

- o□Green Building

- o□Water Purification

- o□Water Leak Detection

- o□Fire Detection Soil Condition/Moisture Monitoring

- o□Crop Monitoring

- o□Forest Monitoring

- o□Weather Monitoring and Forecasting

- o□Air and Water Pollution Monitoring

- o□Sustainable Mining and Exploration

-□ Technology and Sustainability Market, By Region:

- o□North America

- United States

- Canada

- Mexico

- o□Europe

- U.K.

- Germany

- Italy

- France

- Spain

- Rest of Europe

- o□Asia Pacific

- China

- India

- Japan

- South Korea

- Singapore

- Rest of APAC

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- o Middle East & Africa
 - Saudi Arabia
 - UAE
 - South Africa
 - Rest of South America
- o South America
 - Brazil
 - Argentina
 - Colombia
 - Chile
 - Venezuela
 - Rest of MEA

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Global Green Technology and Sustainability Market.

Available Customizations:

Global Green Technology and Sustainability Market with the given market data, Tech Sci Research offer customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

- Detailed analysis and profiling of additional market players (up to five).

Table of Contents:

1. Service Overview
 - 1.1. Market Definition
 - 1.2. Scope of the Study
2. Research Methodology
 - 2.1. Baseline Methodology
 - 2.2. Methodology Followed for Calculation of Market Size
 - 2.3. Methodology Followed for Calculation of Market Shares
 - 2.4. Methodology Followed for Forecasting
3. Executive Summary
4. Impact of COVID-19 on Global Green Technology and Sustainability Market
5. Voice of Customer
 - 5.1. Brand Awareness
 - 5.2. Customer Satisfaction
6. Global Green Technology and Sustainability Market Outlook
 - 6.1. Market Size & Forecast
 - 6.1.1. By Value
 - 6.2. Market Share & Forecast
 - 6.2.1. By Component (Solution, Services)
 - 6.2.1.1. By Services (Consulting, Integration and Technology, Support and Maintenance)
 - 6.2.2. By Technology (IoT, AI and Analytics, Digital Twin, Cloud Computing, Security, Blockchain)
 - 6.2.3. By Application (Carbon Footprint Management, Green Building, Water Purification, Water Leak Detection, Fire Detection Soil condition/Moisture Monitoring, Crop Monitoring, Forest Monitoring, Weather Monitoring and Forecasting, Air and Water Pollution Monitoring, Sustainable Mining and Exploration)
 - 6.2.4. By Region
 - 6.2.5. By Company (2022)
 - 6.3. Market Map (By Component, By Technology, By Application, By Region)

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- 7. North America Green Technology and Sustainability Market Outlook
 - 7.1. Market Size & Forecast
 - 7.1.1. By Value
 - 7.2. Market Share & Forecast
 - 7.2.1. By Component
 - 7.2.2. By Technology
 - 7.2.3. By Application
 - 7.2.4. By Country
 - 7.3. North America: Country Analysis
 - 7.3.1. United States Green Technology and Sustainability Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Component
 - 7.3.1.2.2. By Technology
 - 7.3.1.2.3. By Application
 - 7.3.2. Canada Green Technology and Sustainability Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Component
 - 7.3.2.2.2. By Technology
 - 7.3.2.2.3. By Application
 - 7.3.3. Mexico Green Technology and Sustainability Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Component
 - 7.3.3.2.2. By Technology
 - 7.3.3.2.3. By Application
- 8. Europe Green Technology and Sustainability Market Outlook
 - 8.1. Market Size & Forecast
 - 8.1.1. By Value
 - 8.2. Market Share & Forecast
 - 8.2.1. By Component
 - 8.2.2. By Technology
 - 8.2.3. By Application
 - 8.2.4. By Country
 - 8.3. Europe: Country Analysis
 - 8.3.1. United Kingdom Green Technology and Sustainability Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Component
 - 8.3.1.2.2. By Technology
 - 8.3.1.2.3. By Application
 - 8.3.2. Germany Green Technology and Sustainability Market Outlook

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- 8.3.2.1.□Market Size & Forecast
 - 8.3.2.1.1.□By Value
- 8.3.2.2.□Market Share & Forecast
 - 8.3.2.2.1.□By Component
 - 8.3.2.2.2.□By Technology
 - 8.3.2.2.3.□By Application
- 8.3.3.□Italy Green Technology and Sustainability Market Outlook
 - 8.3.3.1.□Market Size & Forecast
 - 8.3.3.1.1.□By Value
 - 8.3.3.2.□Market Share & Forecast
 - 8.3.3.2.1.□By Component
 - 8.3.3.2.2.□By Technology
 - 8.3.3.2.3.□By Application
- 8.3.4.□France Green Technology and Sustainability Market Outlook
 - 8.3.4.1.□Market Size & Forecast
 - 8.3.4.1.1.□By Value
 - 8.3.4.2.□Market Share & Forecast
 - 8.3.4.2.1.□By Component
 - 8.3.4.2.2.□By Technology
 - 8.3.4.2.3.□By Application
- 8.3.5.□Spain Green Technology and Sustainability Market Outlook
 - 8.3.5.1.□Market Size & Forecast
 - 8.3.5.1.1.□By Value
 - 8.3.5.2.□Market Share & Forecast
 - 8.3.5.2.1.□By Component
 - 8.3.5.2.2.□By Technology
 - 8.3.5.2.3.□By Application
- 9.□Asia Pacific Green Technology and Sustainability Market Outlook
 - 9.1.□Market Size & Forecast
 - 9.1.1.□By Value
 - 9.2.□Market Share & Forecast
 - 9.2.1.□By Component
 - 9.2.2.□By Technology
 - 9.2.3.□By Application
 - 9.2.4.□By Country
- 9.3.□Asia Pacific: Country Analysis
 - 9.3.1.□China Green Technology and Sustainability Market Outlook
 - 9.3.1.1.□Market Size & Forecast
 - 9.3.1.1.1.□By Value
 - 9.3.1.2.□Market Share & Forecast
 - 9.3.1.2.1.□By Component
 - 9.3.1.2.2.□By Technology
 - 9.3.1.2.3.□By Application
 - 9.3.2.□India Green Technology and Sustainability Market Outlook
 - 9.3.2.1.□Market Size & Forecast
 - 9.3.2.1.1.□By Value
 - 9.3.2.2.□Market Share & Forecast

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- 9.3.2.2.1. By Component
- 9.3.2.2.2. By Technology
- 9.3.2.2.3. By Application
- 9.3.3. Japan Green Technology and Sustainability Market Outlook
- 9.3.3.1. Market Size & Forecast
- 9.3.3.1.1. By Value
- 9.3.3.2. Market Share & Forecast
- 9.3.3.2.1. By Component
- 9.3.3.2.2. By Technology
- 9.3.3.2.3. By Application
- 9.3.4. South Korea Green Technology and Sustainability Market Outlook
- 9.3.4.1. Market Size & Forecast
- 9.3.4.1.1. By Value
- 9.3.4.2. Market Share & Forecast
- 9.3.4.2.1. By Component
- 9.3.4.2.2. By Technology
- 9.3.4.2.3. By Application
- 9.3.5. Singapore Green Technology and Sustainability Market Outlook
- 9.3.5.1. Market Size & Forecast
- 9.3.5.1.1. By Value
- 9.3.5.2. Market Share & Forecast
- 9.3.5.2.1. By Component
- 9.3.5.2.2. By Technology
- 9.3.5.2.3. By Application
- 10. Middle East & Africa Green Technology and Sustainability Market Outlook
- 10.1. Market Size & Forecast
- 10.1.1. By Value
- 10.2. Market Share & Forecast
- 10.2.1. By Component
- 10.2.2. By Technology
- 10.2.3. By Application
- 10.2.4. By Country
- 10.3. Middle East & Africa: Country Analysis
- 10.3.1. Saudi Arabia Green Technology and Sustainability Market Outlook
- 10.3.1.1. Market Size & Forecast
- 10.3.1.1.1. By Value
- 10.3.1.2. Market Share & Forecast
- 10.3.1.2.1. By Component
- 10.3.1.2.2. By Technology
- 10.3.1.2.3. By Application
- 10.3.2. UAE Green Technology and Sustainability Market Outlook
- 10.3.2.1. Market Size & Forecast
- 10.3.2.1.1. By Value
- 10.3.2.2. Market Share & Forecast
- 10.3.2.2.1. By Component
- 10.3.2.2.2. By Technology
- 10.3.2.2.3. By Application

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- 10.3.3.□South Africa Green Technology and Sustainability Market Outlook
 - 10.3.3.1.□Market Size & Forecast
 - 10.3.3.1.1.□By Value
 - 10.3.3.2.□Market Share & Forecast
 - 10.3.3.2.1.□By Component
 - 10.3.3.2.2.□By Technology
 - 10.3.3.2.3.□By Application
- 11.□South America Green Technology and Sustainability Market Outlook
 - 11.1.□Market Size & Forecast
 - 11.1.1.□ By Value
 - 11.2.□ Market Share & Forecast
 - 11.2.1.□By Component
 - 11.2.2.□By Technology
 - 11.2.3.□By Application
 - 11.2.4.□By Country
 - 11.3.□South America: Country Analysis
 - 11.3.1.□Brazil Green Technology and Sustainability Market Outlook
 - 11.3.1.1.□Market Size & Forecast
 - 11.3.1.1.1.□By Value
 - 11.3.1.2.□Market Share & Forecast
 - 11.3.1.2.1.□By Component
 - 11.3.1.2.2.□By Technology
 - 11.3.1.2.3.□By Application
 - 11.3.2.□Argentina Green Technology and Sustainability Market Outlook
 - 11.3.2.1.□Market Size & Forecast
 - 11.3.2.1.1.□By Value
 - 11.3.2.2.□Market Share & Forecast
 - 11.3.2.2.1.□By Component
 - 11.3.2.2.2.□By Technology
 - 11.3.2.2.3.□By Application
 - 11.3.3.□Colombia Green Technology and Sustainability Market Outlook
 - 11.3.3.1.□Market Size & Forecast
 - 11.3.3.1.1.□By Value
 - 11.3.3.2.□Market Share & Forecast
 - 11.3.3.2.1.□By Component
 - 11.3.3.2.2.□By Technology
 - 11.3.3.2.3.□By Application
 - 11.3.4.□Chile Green Technology and Sustainability Market Outlook
 - 11.3.4.1.□Market Size & Forecast
 - 11.3.4.1.1.□By Value
 - 11.3.4.2.□Market Share & Forecast
 - 11.3.4.2.1.□By Component
 - 11.3.4.2.2.□By Technology
 - 11.3.4.2.3.□By Application
 - 11.3.5.□Venezuela Green Technology and Sustainability Market Outlook
 - 11.3.5.1.□Market Size & Forecast
 - 11.3.5.1.1.□By Value

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- 11.3.5.2.□Market Share & Forecast
 - 11.3.5.2.1.□By Component
 - 11.3.5.2.2.□By Technology
 - 11.3.5.2.3.□By Application
- 12.□Market Dynamics□
 - 12.1.□Drivers
 - 12.1.1.□Growing energy consumption
 - 12.1.2.□Greenhouse Gas Emissions□
 - 12.2.□Challenges□
 - 12.2.1.□High Product and Solution Cost
 - 12.2.2.□ Lack of Regulations for Green Technology
- 13.□Market Trends and Developments
 - 13.1.□Increasing use of RFID Sensors across Industries
 - 13.2.□Advancements in Technology
 - 13.3.□Reduce the Ecological Footprint of Human Economic Activities
 - 13.4.□Government support
 - 13.5.□Increase in consumer and industrial interest in the use of clean energy resources□□
- 14.□Company Profiles
 - 14.1.□General Electric Company
 - 14.1.1.□Company Overview
 - 14.1.2.□Product Portfolio
 - 14.1.3.□Key Revenue & Financials (If Available)
 - 14.1.4.□Key Personals
 - 14.1.5.□Recent Developments/Updates
 - 14.2.□Wolters Kluwer N.V.
 - 14.2.1.□Company Overview
 - 14.2.2.□Product Portfolio
 - 14.2.3.□Key Revenue & Financials (If Available)
 - 14.2.4.□Key Personals
 - 14.2.5.□Recent Developments/Updates
 - 14.3.□Salesforce.com Inc
 - 14.3.1.□Company Overview
 - 14.3.2.□Product Portfolio
 - 14.3.3.□Key Revenue & Financials (If Available)
 - 14.3.4.□Key Personals
 - 14.3.5.□Recent Developments/Updates
 - 14.4.□Microsoft Corporation
 - 14.4.1.□Company Overview
 - 14.4.2.□Product Portfolio
 - 14.4.3.□Key Revenue & Financials (If Available)
 - 14.4.4.□Key Personals
 - 14.4.5.□Recent Developments/Updates
 - 14.5.□Schneider Electric Infrastructure Ltd
 - 14.5.1.□Company Overview
 - 14.5.2.□Product Portfolio
 - 14.5.3.□Key Revenue & Financials (If Available)
 - 14.5.4.□Key Personals

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- 14.5.5. Recent Developments/Updates
- 14.6. Engie Impact
 - 14.6.1. Company Overview
 - 14.6.2. Product Portfolio
 - 14.6.3. Key Revenue & Financials (If Available)
 - 14.6.4. Key Personals
 - 14.6.5. Recent Developments/Updates
- 14.7. Sensus USA, Inc.
 - 14.7.1. Company Overview
 - 14.7.2. Product Portfolio
 - 14.7.3. Key Revenue & Financials (If Available)
 - 14.7.4. Key Personals
 - 14.7.5. Recent Developments/Updates
- 14.8. Enviance, Inc
 - 14.8.1. Company Overview
 - 14.8.2. Product Portfolio
 - 14.8.3. Key Revenue & Financials (If Available)
 - 14.8.4. Key Personals
 - 14.8.5. Recent Developments/Updates
- 14.9. Intellex Technologies Inc.
 - 14.9.1. Company Overview
 - 14.9.2. Product Portfolio
 - 14.9.3. Key Revenue & Financials (If Available)
 - 14.9.4. Key Personals
 - 14.9.5. Recent Developments/Updates
- 14.10. CropX Inc.
 - 14.10.1. Company Overview
 - 14.10.2. Product Portfolio
 - 14.10.3. Key Revenue & Financials (If Available)
 - 14.10.4. Key Personals
 - 14.10.5. Recent Developments/Updates
- 14.11. Oracle Corporation
 - 14.11.1. Company Overview
 - 14.11.2. Product Portfolio
 - 14.11.3. Key Revenue & Financials (If Available)
 - 14.11.4. Key Personals
 - 14.11.5. Recent Developments/Updates
- 15. Strategic Recommendations
- 16. About Us & Disclaimer

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