

Smart Energy Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Energy Source (Renewable, Non-Renewable), By Product (Smart grid, Digital Oilfield, Smart Solar, Home energy management system), By End User (Utility Providers, Residential, Industrial, Commercial), By Region, By Competition, 2018-2028

<https://marketpublishers.com/r/S4B22D253826EN.html>

Date: November 2023

Pages: 188

Price: US\$ 4,900.00 (Single User License)

ID: S4B22D253826EN

Abstracts

Global Smart Energy Market was valued at USD 154 Billion in 2022 and is anticipated to project robust growth in the forecast period with a CAGR of 8.8% through 2028. The global smart energy market is experiencing significant growth as a result of escalating demand for sustainable and efficient energy solutions. This surge is propelled by a combination of environmental consciousness and rapid technological advancements. Businesses and consumers alike are increasingly recognizing the importance of smart energy systems in optimizing resource utilization and reducing environmental impact. Smart energy technologies, encompassing smart grids, meters, and renewable energy sources, enable real-time monitoring, control, and management of energy resources. Governments worldwide are implementing favorable policies and incentives to promote the adoption of smart energy solutions, further boosting market expansion. The integration of Internet of Things (IoT) technologies, artificial intelligence, and data analytics in energy systems is enhancing efficiency, reliability, and resilience. As a result, the global smart energy market is poised for sustained growth, providing a pathway to a more sustainable and interconnected energy future.

Key Market Drivers

Environmental Sustainability and Regulatory Initiatives

The global smart energy market is being propelled by a paramount driver—environmental sustainability. The imperative to mitigate climate change and reduce carbon footprints has triggered a paradigm shift in the energy sector. Governments and regulatory bodies worldwide are implementing stringent environmental policies and standards, compelling industries to transition towards cleaner and more sustainable energy sources. Smart energy solutions, encompassing renewable energy integration, energy-efficient technologies, and demand-response systems, play a pivotal role in achieving these goals. The urgency to adhere to international agreements such as the Paris Agreement has spurred increased investments in smart energy infrastructure, providing a holistic approach to environmental conservation. As organizations strive to meet stringent emission targets, the adoption of smart energy technologies becomes not just a strategic choice but a necessity, driving the robust growth of the global smart energy market.

Technological Advancements and the Rise of IoT

The relentless pace of technological advancements, coupled with the widespread integration of the Internet of Things (IoT), constitutes another key driver for the burgeoning smart energy market. Smart grids, meters, and devices equipped with sensors and connectivity enable real-time monitoring, analysis, and control of energy consumption. This interconnected ecosystem enhances the efficiency of energy distribution, reduces wastage, and facilitates predictive maintenance. The application of artificial intelligence (AI) and data analytics further optimizes energy management, providing insights into consumption patterns and enabling informed decision-making. The seamless integration of advanced technologies not only enhances operational efficiency for energy providers but also empowers consumers to make informed choices, fostering a more interactive and responsive energy ecosystem.

Increasing Energy Demand and Urbanization

Rapid urbanization and the growing global population are exerting unprecedented pressure on energy resources, necessitating innovative solutions to meet escalating demand. The smart energy market is driven by the need for efficient energy management in urban environments where energy consumption is concentrated. Smart grids and intelligent energy systems offer solutions to address the challenges posed by urbanization, ensuring reliable energy supply, reducing transmission losses, and enhancing grid resilience. The deployment of smart meters enables more accurate billing, encourages energy conservation practices among consumers, and contributes to

load balancing. As the world becomes increasingly urbanized, the smart energy market emerges as a critical enabler for sustainable and resilient urban infrastructure.

Energy Security and Grid Resilience

The rising frequency and intensity of natural disasters, coupled with the growing sophistication of cyber threats, underscore the importance of energy security and grid resilience. Smart energy technologies, including microgrids and distributed energy resources, play a pivotal role in enhancing the resilience of energy infrastructure. By decentralizing energy generation and storage, smart grids can mitigate the impact of disruptions, ensuring a more reliable and secure energy supply. Additionally, advanced monitoring and control systems enable rapid response to outages and facilitate efficient restoration of services. Governments and utilities globally are recognizing the strategic importance of investing in smart energy solutions to fortify energy infrastructure against unforeseen events, contributing to the sustained growth of the smart energy market.

Cost Reduction and Economic Viability

The increasing economic viability of smart energy solutions constitutes a compelling driver for market expansion. Initially perceived as a substantial investment, smart energy technologies are witnessing significant cost reductions due to economies of scale, technological maturation, and competitive market forces. The declining costs of renewable energy sources, such as solar and wind, coupled with advancements in energy storage technologies, contribute to the overall affordability of smart energy solutions. Businesses are recognizing the long-term economic benefits of adopting smart energy practices, including reduced operational costs, improved energy efficiency, and enhanced competitiveness. As the economic case for smart energy becomes increasingly persuasive, a growing number of industries and organizations are embracing these technologies, propelling the global smart energy market towards sustained growth.

Key Market Challenges

Interoperability and Standardization Issues

A significant challenge facing the global smart energy market is the complexity arising from interoperability and standardization issues. The ecosystem of smart energy technologies involves a multitude of devices, systems, and protocols, often developed by different manufacturers. This lack of uniformity can result in compatibility issues,

hindering the seamless integration and communication between various components of smart energy systems. Interoperability challenges pose hurdles in achieving the full potential of smart grids, smart meters, and other interconnected devices.

Standardization efforts are underway, but the pace of development varies globally, leading to a fragmented landscape. Establishing common standards is crucial to ensuring the smooth operation of smart energy infrastructure, fostering innovation, and enabling widespread adoption.

Cybersecurity Concerns and Data Privacy

As smart energy systems become increasingly interconnected and reliant on digital technologies, cybersecurity emerges as a critical challenge. The integration of IoT devices, data networks, and cloud platforms introduces vulnerabilities that can be exploited by malicious actors. Cybersecurity threats pose risks not only to the integrity of energy infrastructure but also to the privacy of sensitive consumer data. The potential for unauthorized access, data breaches, and cyber-attacks on smart grids raises concerns about the resilience of the entire energy ecosystem. Addressing cybersecurity challenges requires continuous advancements in encryption, authentication mechanisms, and proactive threat detection strategies. Striking a balance between the accessibility of data for operational efficiency and ensuring robust security measures is a complex task that the smart energy industry must navigate to maintain trust and safeguard critical infrastructure.

High Initial Costs and Return on Investment

Despite the long-term economic benefits, the high initial costs associated with implementing smart energy solutions present a significant challenge for widespread adoption. The deployment of smart grids, advanced metering infrastructure, and other intelligent systems involves substantial capital investment, particularly for utilities and infrastructure providers. Convincing stakeholders to make these upfront investments requires a compelling business case, which can be challenging given the diverse economic conditions and financial constraints across regions. Additionally, the return on investment (ROI) for smart energy projects may not be immediate, and organizations may face difficulties in quantifying and communicating the long-term economic and environmental benefits. Overcoming the challenge of high upfront costs necessitates supportive government policies, financial incentives, and effective communication strategies to convey the value proposition of smart energy technologies.

Grid Vulnerability and Aging Infrastructure

The existing energy infrastructure in many regions faces the challenge of aging and insufficient capacity to meet the demands of modern, interconnected systems. Integrating smart energy technologies into outdated grids can be a formidable task. The vulnerability of aging infrastructure to physical and cyber threats poses risks to the reliability and resilience of the smart grid. Upgrading and modernizing the grid to accommodate smart technologies require substantial investments and can disrupt existing operations. Coordinating this transition without compromising the stability of the energy supply chain is a multifaceted challenge. Striking a balance between upgrading infrastructure and maintaining uninterrupted energy services is crucial to the successful integration of smart energy solutions and ensuring the longevity of the global energy ecosystem.

Key Market Trends

Increasing Integration of Artificial Intelligence (AI) and Machine Learning

One notable trend shaping the global smart energy market is the accelerating integration of artificial intelligence (AI) and machine learning. These advanced technologies are revolutionizing the energy sector by enhancing the efficiency, reliability, and adaptability of smart energy systems. AI enables predictive analytics for energy consumption patterns, optimizing energy distribution and reducing waste. Machine learning algorithms contribute to demand forecasting, allowing utilities to adjust supply in real-time and improve grid management. The ability of AI to autonomously adapt to changing conditions enhances the resilience of smart grids and facilitates the integration of renewable energy sources. As AI capabilities continue to evolve, the smart energy market is witnessing a transformative shift toward more intelligent, data-driven decision-making processes.

Rise of Energy Storage Solutions

A significant trend shaping the global smart energy market is the increasing prominence of energy storage solutions. With the growing share of intermittent renewable energy sources such as solar and wind in the energy mix, effective energy storage is crucial for balancing supply and demand. Advancements in battery technologies, including lithium-ion and emerging technologies like solid-state batteries, are driving the deployment of large-scale energy storage projects. Energy storage enhances grid stability, facilitates the integration of renewable energy, and provides backup power during peak demand or grid disruptions. The trend towards decentralized energy generation is further

amplifying the role of energy storage, empowering consumers to store excess energy generated from renewable sources for later use. As energy storage technologies become more cost-effective and scalable, they are poised to play a pivotal role in shaping the future of the smart energy market.

Demand for Decentralized Energy Systems

A key market trend in the global smart energy landscape is the increasing demand for decentralized energy systems. Traditionally, energy distribution has been centralized, with power generated at large plants and transmitted over long distances to end-users. However, the rise of distributed energy resources, including rooftop solar panels, small-scale wind turbines, and energy storage, is challenging this paradigm. Decentralized energy systems offer benefits such as improved grid resilience, reduced transmission losses, and the ability for consumers to generate and manage their energy. The advent of blockchain technology further supports the decentralization trend by enabling transparent and secure peer-to-peer energy transactions. As consumers seek greater control over their energy consumption and environmental impact, decentralized energy systems are gaining traction, reshaping the dynamics of the smart energy market.

Electrification of Transportation

An influential trend in the global smart energy market is the increasing electrification of transportation. The rise of electric vehicles (EVs) is reshaping energy consumption patterns and creating new opportunities and challenges for the energy sector. The integration of smart charging infrastructure, grid-responsive charging, and vehicle-to-grid (V2G) technologies is becoming essential for managing the impact of EVs on the electrical grid. Smart energy systems are adapting to accommodate the dynamic charging needs of electric vehicles, optimizing charging schedules to avoid grid congestion during peak periods. Governments and businesses worldwide are investing in EV infrastructure, incentivizing the adoption of electric vehicles, and driving the convergence of the transportation and energy sectors. As the electrification of transportation continues to gain momentum, it is influencing the development and evolution of smart energy solutions.

Focus on Energy Efficiency and Sustainable Practices

A pervasive trend in the global smart energy market is the heightened focus on energy efficiency and sustainable practices. Businesses, consumers, and governments are increasingly prioritizing solutions that reduce energy consumption and environmental

impact. Smart energy technologies, such as smart meters, home automation systems, and energy management platforms, empower users to monitor and optimize their energy usage in real-time. The integration of energy-efficient appliances, smart lighting, and building automation further contributes to overall energy conservation. Corporate sustainability initiatives and government regulations are driving the adoption of smart energy practices, promoting a more sustainable and eco-friendly approach to energy consumption. As environmental consciousness continues to rise, the emphasis on energy efficiency and sustainable practices is expected to shape the trajectory of the global smart energy market, influencing both consumer choices and industry strategies.

Segmental Insights

Energy Source Insights

In 2022, the Global Smart Energy Market witnessed a notable dominance of the Renewable Energy segment, a trend that is anticipated to persist and even strengthen during the forecast period. The growing global emphasis on sustainability and environmental consciousness has been a significant driver for the ascendancy of renewable energy sources within the smart energy landscape. The Renewable Energy segment, comprising solar, wind, hydro, and other clean sources, has gained prominence due to its inherent compatibility with smart energy technologies. The integration of smart grids, energy storage solutions, and advanced analytics is more seamlessly achievable with renewable sources, allowing for efficient management and distribution. Moreover, the declining costs of renewable technologies, government incentives, and the increasing demand for cleaner energy alternatives contribute to the sustained dominance of the Renewable Energy segment. As the world continues to prioritize the transition towards a low-carbon and sustainable energy future, the Renewable Energy segment is poised to maintain its dominance in the Global Smart Energy Market, reflecting a long-term commitment to environmentally friendly and technologically advanced energy solutions. This trajectory aligns with the broader global shift toward mitigating climate change and building resilient energy infrastructures, reinforcing the expectation that the Renewable Energy segment will continue to be a driving force in shaping the future of the smart energy market.

Product Insights

The Global Smart Energy Market experienced a prominent dominance of the Smart Grid segment, a trend that is anticipated to persist and even strengthen during the forecast period. Smart grids play a pivotal role in modernizing and optimizing the overall energy

infrastructure by incorporating advanced communication and control technologies. The integration of smart grids facilitates real-time monitoring, efficient management, and adaptive responses to changes in energy demand and supply. As governments and utilities worldwide prioritize grid modernization initiatives to enhance reliability and efficiency, the Smart Grid segment has emerged as a cornerstone of the smart energy landscape. The deployment of smart meters, distribution automation, and demand response systems further bolsters the dominance of the Smart Grid segment. With the increasing focus on grid resilience, renewable energy integration, and the overall transformation of traditional power systems, the Smart Grid segment is expected to maintain its leading position in the Global Smart Energy Market. This trajectory aligns with the ongoing global efforts to build intelligent and resilient energy infrastructures, reflecting the indispensability of smart grids in shaping the future of the smart energy ecosystem.

End User Insights

The Global Smart Energy Market witnessed the predominant dominance of the Industrial segment, a trend that is anticipated to endure and strengthen throughout the forecast period. The industrial sector has been a key adopter of smart energy technologies due to its substantial energy consumption and the imperative to enhance operational efficiency. Industrial facilities deploy smart energy solutions such as advanced metering, energy management systems, and process optimization to monitor and control energy usage in real-time. This enables industries to streamline operations, reduce energy costs, and meet sustainability goals. The Industrial segment's dominance is further fueled by the increasing emphasis on energy efficiency, regulatory compliance, and the integration of Industry 4.0 principles. As industries globally seek innovative approaches to manage energy consumption and minimize environmental impact, the Industrial segment is poised to maintain its leading position in the Global Smart Energy Market. The ongoing industrialization, coupled with the need for resilient and sustainable energy practices, underscores the significance of smart energy solutions in optimizing industrial processes. This trajectory aligns with the overarching global objective of industrial sectors transitioning towards greener and more intelligent energy practices, solidifying the Industrial segment's role as a driving force in shaping the future of the smart energy landscape.

Regional Insights

North America emerged as the dominant region in the Global Smart Energy Market, and this trend is anticipated to persist and even strengthen during the forecast period. The

region's dominance is attributed to a combination of factors, including robust technological infrastructure, supportive government policies, and a heightened focus on sustainability. The United States and Canada, in particular, have been at the forefront of smart energy adoption, with extensive investments in smart grid technologies, renewable energy integration, and energy-efficient solutions. The presence of key industry players, ongoing research and development activities, and a strong regulatory framework contribute to the leadership of North America in the smart energy landscape. Additionally, the region's responsiveness to the need for grid modernization, coupled with a growing awareness of the benefits of smart energy technologies, positions North America as a key driver of market growth. As the demand for cleaner and more efficient energy solutions continues to rise, and with sustained efforts towards carbon reduction and grid resilience, North America is poised to maintain its dominance in the Global Smart Energy Market, shaping the trajectory of the industry in the years to come.

Key Market Players

Siemens AG

General Electric (GE)

Schneider Electric SE

ABB Group

Honeywell International Inc.

IBM Corporation

Cisco Systems, Inc.

Eaton Corporation

Itron, Inc.

Landis+Gyr AG

Sensus (Xylem Inc.)

Oracle Corporation

Trilliant Holdings, Inc.

Report Scope:

In this report, the Global Smart Energy Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Smart Energy Market, By Energy Source:

Renewable

Non-Renewable

Smart Energy Market, By Product:

Smart grid

Digital Oilfield

Smart Solar

Home energy management system

Smart Energy Market, By End User:

Utility Providers

Residential

Industrial

Commercial

Smart Energy Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Belgium

Asia-Pacific

China

India

Japan

Australia

South Korea

Indonesia

Vietnam

South America

Brazil

Argentina

Colombia

Chile

Peru

Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

Israel

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Smart Energy Market.

Available Customizations:

Global Smart Energy market report with the given market data, Tech Sci Research offers 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).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Formulation of the Scope
- 2.4. Assumptions and Limitations
- 2.5. Sources of Research
 - 2.5.1. Secondary Research
 - 2.5.2. Primary Research
- 2.6. Approach for the Market Study
 - 2.6.1. The Bottom-Up Approach
 - 2.6.2. The Top-Down Approach
- 2.7. Methodology Followed for Calculation of Market Size & Market Shares
- 2.8. Forecasting Methodology
 - 2.8.1. Data Triangulation & Validation

3. EXECUTIVE SUMMARY

4. IMPACT OF COVID-19 ON GLOBAL SMART ENERGY MARKET

5. VOICE OF CUSTOMER

6. GLOBAL SMART ENERGY MARKET OVERVIEW

7. GLOBAL SMART ENERGY MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Energy Source (Renewable, Non-Renewable)

7.2.2. By Product (Smart grid, Digital Oilfield, Smart Solar, Home energy management system)

7.2.3. By End User (Utility Providers, Residential, Industrial, Commercial)

7.2.4. By Region (North America, Europe, South America, Middle East & Africa, Asia Pacific)

7.3. By Company (2022)

7.4. Market Map

8. NORTH AMERICA SMART ENERGY MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Energy Source

8.2.2. By Product

8.2.3. By End User

8.2.4. By Country

8.3. North America: Country Analysis

8.3.1. United States Smart Energy 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 Energy Source

8.3.1.2.2. By Product

8.3.1.2.3. By End User

8.3.2. Canada Smart Energy Market Outlook

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 Energy Source

8.3.2.2.2. By Product

8.3.2.2.3. By End User

8.3.3. Mexico Smart Energy 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 Energy Source
 - 8.3.3.2.2. By Product
 - 8.3.3.2.3. By End User

9. EUROPE SMART ENERGY MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Energy Source
 - 9.2.2. By Product
 - 9.2.3. By End User
 - 9.2.4. By Country
- 9.3. Europe: Country Analysis
 - 9.3.1. Germany Smart Energy 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 Energy Source
 - 9.3.1.2.2. By Product
 - 9.3.1.2.3. By End User
 - 9.3.2. France Smart Energy Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Energy Source
 - 9.3.2.2.2. By Product
 - 9.3.2.2.3. By End User
 - 9.3.3. United Kingdom Smart Energy 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 Energy Source
 - 9.3.3.2.2. By Product
 - 9.3.3.2.3. By End User
 - 9.3.4. Italy Smart Energy 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 Energy Source
 - 9.3.4.2.2. By Product
 - 9.3.4.2.3. By End User
- 9.3.5. Spain Smart Energy 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 Energy Source
 - 9.3.5.2.2. By Product
 - 9.3.5.2.3. By End User
- 9.3.6. Belgium Smart Energy Market Outlook
 - 9.3.6.1. Market Size & Forecast
 - 9.3.6.1.1. By Value
 - 9.3.6.2. Market Share & Forecast
 - 9.3.6.2.1. By Energy Source
 - 9.3.6.2.2. By Product
 - 9.3.6.2.3. By End User

10. SOUTH AMERICA SMART ENERGY MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Energy Source
 - 10.2.2. By Product
 - 10.2.3. By End User
 - 10.2.4. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Smart Energy 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 Energy Source
 - 10.3.1.2.2. By Product
 - 10.3.1.2.3. By End User
 - 10.3.2. Colombia Smart Energy 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 Energy Source
 - 10.3.2.2.2. By Product
 - 10.3.2.2.3. By End User
- 10.3.3. Argentina Smart Energy 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 Energy Source
 - 10.3.3.2.2. By Product
 - 10.3.3.2.3. By End User
- 10.3.4. Chile Smart Energy Market Outlook
 - 10.3.4.1. Market Size & Forecast
 - 10.3.4.1.1. By Value
 - 10.3.4.2. Market Share & Forecast
 - 10.3.4.2.1. By Energy Source
 - 10.3.4.2.2. By Product
 - 10.3.4.2.3. By End User
- 10.3.5. Peru Smart Energy Market Outlook
 - 10.3.5.1. Market Size & Forecast
 - 10.3.5.1.1. By Value
 - 10.3.5.2. Market Share & Forecast
 - 10.3.5.2.1. By Energy Source
 - 10.3.5.2.2. By Product
 - 10.3.5.2.3. By End User

11. MIDDLE EAST & AFRICA SMART ENERGY MARKET OUTLOOK

- 11.1. Market Size & Forecast
 - 11.1.1. By Value
- 11.2. Market Share & Forecast
 - 11.2.1. By Energy Source
 - 11.2.2. By Product
 - 11.2.3. By End User
 - 11.2.4. By Country
- 11.3. Middle East & Africa: Country Analysis
 - 11.3.1. Saudi Arabia Smart Energy 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 Energy Source
 - 11.3.1.2.2. By Product
 - 11.3.1.2.3. By End User
- 11.3.2. UAE Smart Energy 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 Energy Source
 - 11.3.2.2.2. By Product
 - 11.3.2.2.3. By End User
- 11.3.3. South Africa Smart Energy 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 Energy Source
 - 11.3.3.2.2. By Product
 - 11.3.3.2.3. By End User
- 11.3.4. Turkey Smart Energy 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 Energy Source
 - 11.3.4.2.2. By Product
 - 11.3.4.2.3. By End User
- 11.3.5. Israel Smart Energy Market Outlook
 - 11.3.5.1. Market Size & Forecast
 - 11.3.5.1.1. By Value
 - 11.3.5.2. Market Share & Forecast
 - 11.3.5.2.1. By Energy Source
 - 11.3.5.2.2. By Product
 - 11.3.5.2.3. By End User

12. ASIA PACIFIC SMART ENERGY MARKET OUTLOOK

- 12.1. Market Size & Forecast
 - 12.1.1. By Energy Source
 - 12.1.2. By Product

- 12.1.3. By End User
- 12.1.4. By Country
- 12.2. Asia-Pacific: Country Analysis
 - 12.2.1. China Smart Energy Market Outlook
 - 12.2.1.1. Market Size & Forecast
 - 12.2.1.1.1. By Value
 - 12.2.1.2. Market Share & Forecast
 - 12.2.1.2.1. By Energy Source
 - 12.2.1.2.2. By Product
 - 12.2.1.2.3. By End User
 - 12.2.2. India Smart Energy Market Outlook
 - 12.2.2.1. Market Size & Forecast
 - 12.2.2.1.1. By Value
 - 12.2.2.2. Market Share & Forecast
 - 12.2.2.2.1. By Energy Source
 - 12.2.2.2.2. By Product
 - 12.2.2.2.3. By End User
 - 12.2.3. Japan Smart Energy Market Outlook
 - 12.2.3.1. Market Size & Forecast
 - 12.2.3.1.1. By Value
 - 12.2.3.2. Market Share & Forecast
 - 12.2.3.2.1. By Energy Source
 - 12.2.3.2.2. By Product
 - 12.2.3.2.3. By End User
 - 12.2.4. South Korea Smart Energy Market Outlook
 - 12.2.4.1. Market Size & Forecast
 - 12.2.4.1.1. By Value
 - 12.2.4.2. Market Share & Forecast
 - 12.2.4.2.1. By Energy Source
 - 12.2.4.2.2. By Product
 - 12.2.4.2.3. By End User
 - 12.2.5. Australia Smart Energy Market Outlook
 - 12.2.5.1. Market Size & Forecast
 - 12.2.5.1.1. By Value
 - 12.2.5.2. Market Share & Forecast
 - 12.2.5.2.1. By Energy Source
 - 12.2.5.2.2. By Product
 - 12.2.5.2.3. By End User
 - 12.2.6. Indonesia Smart Energy Market Outlook

- 12.2.6.1. Market Size & Forecast
 - 12.2.6.1.1. By Value
- 12.2.6.2. Market Share & Forecast
 - 12.2.6.2.1. By Energy Source
 - 12.2.6.2.2. By Product
 - 12.2.6.2.3. By End User
- 12.2.7. Vietnam Smart Energy Market Outlook
 - 12.2.7.1. Market Size & Forecast
 - 12.2.7.1.1. By Value
 - 12.2.7.2. Market Share & Forecast
 - 12.2.7.2.1. By Energy Source
 - 12.2.7.2.2. By Product
 - 12.2.7.2.3. By End User

13. MARKET DYNAMICS

- 13.1. Drivers
- 13.2. Challenges

14. MARKET TRENDS AND DEVELOPMENTS

15. COMPANY PROFILES

- 15.1. Siemens AG
 - 15.1.1. Business Overview
 - 15.1.2. Key Revenue and Financials
 - 15.1.3. Recent Developments
 - 15.1.4. Key Personnel/Key Contact Person
 - 15.1.5. Key Product/Services Offered
- 15.2. General Electric (GE)
 - 15.2.1. Business Overview
 - 15.2.2. Key Revenue and Financials
 - 15.2.3. Recent Developments
 - 15.2.4. Key Personnel/Key Contact Person
 - 15.2.5. Key Product/Services Offered
- 15.3. Schneider Electric SE
 - 15.3.1. Business Overview
 - 15.3.2. Key Revenue and Financials

- 15.3.3. Recent Developments
- 15.3.4. Key Personnel/Key Contact Person
- 15.3.5. Key Product/Services Offered
- 15.4. ABB Group
 - 15.4.1. Business Overview
 - 15.4.2. Key Revenue and Financials
 - 15.4.3. Recent Developments
 - 15.4.4. Key Personnel/Key Contact Person
 - 15.4.5. Key Product/Services Offered
- 15.5. Honeywell International Inc.
 - 15.5.1. Business Overview
 - 15.5.2. Key Revenue and Financials
 - 15.5.3. Recent Developments
 - 15.5.4. Key Personnel/Key Contact Person
 - 15.5.5. Key Product/Services Offered
- 15.6. IBM Corporation
 - 15.6.1. Business Overview
 - 15.6.2. Key Revenue and Financials
 - 15.6.3. Recent Developments
 - 15.6.4. Key Personnel/Key Contact Person
 - 15.6.5. Key Product/Services Offered
- 15.7. Cisco Systems, Inc.
 - 15.7.1. Business Overview
 - 15.7.2. Key Revenue and Financials
 - 15.7.3. Recent Developments
 - 15.7.4. Key Personnel/Key Contact Person
 - 15.7.5. Key Product/Services Offered
- 15.8. Eaton Corporation
 - 15.8.1. Business Overview
 - 15.8.2. Key Revenue and Financials
 - 15.8.3. Recent Developments
 - 15.8.4. Key Personnel/Key Contact Person
 - 15.8.5. Key Product/Services Offered
- 15.9. Itron, Inc.
 - 15.9.1. Business Overview
 - 15.9.2. Key Revenue and Financials
 - 15.9.3. Recent Developments
 - 15.9.4. Key Personnel/Key Contact Person
 - 15.9.5. Key Product/Services Offered

15.10. Landis+Gyr AG

- 15.10.1. Business Overview
- 15.10.2. Key Revenue and Financials
- 15.10.3. Recent Developments
- 15.10.4. Key Personnel/Key Contact Person
- 15.10.5. Key Product/Services Offered

15.11. Sensus (Xylem Inc.)

- 15.11.1. Business Overview
- 15.11.2. Key Revenue and Financials
- 15.11.3. Recent Developments
- 15.11.4. Key Personnel/Key Contact Person
- 15.11.5. Key Product/Services Offered

15.12. Oracle Corporation

- 15.12.1. Business Overview
- 15.12.2. Key Revenue and Financials
- 15.12.3. Recent Developments
- 15.12.4. Key Personnel/Key Contact Person
- 15.12.5. Key Product/Services Offered

15.13. Trilliant Holdings, Inc.

- 15.13.1. Business Overview
- 15.13.2. Key Revenue and Financials
- 15.13.3. Recent Developments
- 15.13.4. Key Personnel/Key Contact Person
- 15.13.5. Key Product/Services Offered

16. STRATEGIC RECOMMENDATIONS**17. ABOUT US & DISCLAIMER**

I would like to order

Product name: Smart Energy Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Energy Source (Renewable, Non-Renewable), By Product (Smart grid, Digital Oilfield, Smart Solar, Home energy management system), By End User (Utility Providers, Residential, Industrial, Commercial), By Region, By Competition, 2018-2028

Product link: <https://marketpublishers.com/r/S4B22D253826EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S4B22D253826EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970