

# **Global Artificial Intelligence (AI) in Energy Market: Focus on Product Type (Software, AI- as-a-Service, Hardware, Support Services), Industry (Oil & Gas, Power), Applications (Fleet & Asset, Demand Response, Precision Drilling, Renewable Management), Funding – Analysis and Forecast, 2019-2024**

<https://marketpublishers.com/r/G46630DBC443EN.html>

Date: December 2019

Pages: 259

Price: US\$ 4,000.00 (Single User License)

ID: G46630DBC443EN

## **Abstracts**

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at [order@marketpublishers.com](mailto:order@marketpublishers.com) with your request.

### **Key Questions Answered in this Report:**

What are the key trends and opportunities in the market pertaining to AI in energy?

What is the estimated global AI in energy market size in terms of revenue for the time period 2018-2024, and what is the expected compound annual growth rate (CAGR) during the forecast period 2019-2024?

What is the expected future outlook and revenue to be generated by the different types of product offerings including software, hardware, AI-as-a-Service, and support services?

What is the estimated revenue generated by AI solutions in both power and oil & gas industries for the time period 2018-2024?

What is the estimated revenue generated by AI solutions in different power industry streams such as generation, transmission, and distribution for the time period 2018-2014?

What is the estimated revenue generated by AI solutions in different oil & gas industry streams such as upstream, midstream, and downstream for the time period 2018-2024?

What is the estimated revenue generated by AI solutions in different applications of power and oil & gas industry for the time period 2018-2024?

What is the current market size and opportunities of AI solutions in energy industry across different regions including North America, Europe, Asia-Pacific, and Rest-of-the-World?

What are the major driving forces that are expected to increase the demand for the global AI in energy market during the forecast period?

What are the major restraints inhibiting the growth of the global AI in energy market?

What kind of new strategies are being adopted by the existing market players to expand their market position in the industry?

What is the competitive strength of the key players in the AI in energy market on the basis of analysis of their recent developments, product offerings, and regional presence?

How is the competitive benchmarking of the key AI focused IT companies in the energy market on the basis of analysis of their market coverage and market potential?

What is the funding and investment landscape in the global AI in energy market?

Which type of players and stakeholders operate in the market ecosystem of AI in energy, and what are their significance in the global market?

Which are the leading consortiums and associations in the global AI in energy market, and what is their role in the market?

How does the regulatory landscape differ in different regions for AI in energy?

## Global Artificial Intelligence (AI) in Energy Market Forecast, 2019-2024

The Global Artificial Intelligence (AI) in Energy Industry Analysis by BIS Research projects the market to grow at a significant CAGR of 22.49% during the forecast period from 2019 to 2024.

The increasing demand for energy efficiency across the globe has propelled the need for artificial intelligence in energy. Moreover, there is an increased concern for decentralized power generators in the electricity distribution supply chain to reduce the electricity demand. The growth of the market is likely to be encouraged by the rise of battery storage system, leading to congestion and complexity within the grid.

### Expert Quote

'Fleet and asset management is one of the prominent applications of the AI in energy market. The fleet assets at remote locations are difficult to monitor and control. Any failure of assets without prior intimation leads to an increase in operational downtime. Thus, the energy industry is adopting AI technology to monitor and control the fleet assets across the supply chain. The AI-powered hardware components integrated with the AI software ensures efficient operation of oil & gas assets using vibration analytics, thereby ensuring a safe working atmosphere. An AI-enabled fleet and asset monitoring solution using computer vision provides visibility across the functioning of the equipment, which further helps in investigating the asset performance.'

### Scope of the Global Artificial Intelligence (AI) in Energy Market

The global artificial intelligence in energy market research provides a detailed perspective regarding the product offerings, applications, value, and estimation, among others. The purpose of this market analysis is to examine the artificial intelligence in energy in terms of factors driving the market, trends, technological developments, and funding scenario, among others.

The report further takes into consideration the market dynamics and the competitive landscape along with the detailed financial and product contribution of the key players operating in the market. The artificial intelligence in energy market report is a

compilation of different segments including market breakdown by product offerings, industry stream, and region.

## Market Segmentation

The global artificial intelligence in energy market comprises oil & gas and power industries. The oil & gas industry has been further segmented into upstream, midstream, and downstream. Similarly, for power industry, generation, transmission, and distribution are the three sectors across the supply chain. Upstream segment in the oil & gas industry and distribution segment in the power industry accounted for the largest share in the market as a result of the increasing necessity for efficient oil & gas exploration and growing demand for continuous supply of electricity. However, during the forecast period, the generation segment in the power industry is expected to display the highest growth, owing to the increasing focus toward decentralized power generation.

The emerging trends of the AI in energy market vary across different regions. In 2018, North America was at the forefront of the market, with huge market concentration in the U.S. During the forecast period, the Asia-Pacific region is expected to flourish as one of the most lucrative markets for AI in energy. Rising demand for decentralized power generation drive the growth of global AI in energy market.

## Key Companies in the Artificial Intelligence (AI) in Energy Market

The prominent players in the artificial intelligence in energy market include IBM Corporation, Microsoft Corporation, Accenture Plc, Amazon Web Services, Inc., Intel Corporation, Oracle Corporation, SAP SE, Huawei Technology, Cisco Systems, General Electric Company, Rockwell Automation, C3.ai, AutoGrid Systems, HCL Technologies, and Wipro Limited.

## Contents

### Executive Summary

## 1 MARKET DYNAMICS

### 1.1 Market Drivers

- 1.1.1 Demand for Increasing Operational Efficiency to Fulfil Energy Requirement
- 1.1.2 Significant Increase in Demand for Decentralized Power Generation
- 1.1.3 Growing Need for Battery Storage Systems

### 1.2 Market Restraints

- 1.2.1 High Cost of Deployment
- 1.2.2 Privacy and Security Risk

### 1.3 Market Opportunities

- 1.3.1 Rising Deployment of Smart Grids
- 1.3.2 Growth of Establishment of Smart Buildings

## 2 COMPETITIVE LANDSCAPE

### 2.1 Key Market Developments and Strategies

- 2.1.1 Partnerships, Collaborations, and Joint Ventures
- 2.1.2 New Product Launches and Developments
- 2.1.3 Business Expansions and Contracts
- 2.1.4 Mergers and Acquisitions
- 2.1.5 Others (Awards and Recognitions)

### 2.2 Competitive Benchmarking of IT Solution Providers in AI in Energy Market

## 3 INDUSTRY ANALYSIS

### 3.1 Artificial Intelligence in Energy: Market Ecosystem

### 3.2 Artificial Intelligence in Energy: Technology Ecosystem

#### 3.2.1 AI Technology Stack

##### 3.2.1.1 AI-Powered Technologies

- 3.2.1.1.1 Machine Learning
- 3.2.1.1.2 Computer Vision
- 3.2.1.1.3 Deep Learning
- 3.2.1.1.4 Speech Recognition
- 3.2.1.1.5 Other Technologies

##### 3.2.1.2 Hardware

- 3.2.1.2.1 Memory
- 3.2.1.2.2 Storage
- 3.2.1.2.3 Logic
- 3.2.1.2.4 Networking
- 3.2.1.3 Others
- 3.2.2 AI Technology Classifications
  - 3.2.2.1 AI Technology (by Functionality)
    - 3.2.2.1.1 Reactive Machines
    - 3.2.2.1.2 Limited Memory
    - 3.2.2.1.3 Theory of Mind
    - 3.2.2.1.4 Self-Awareness
  - 3.2.2.2 AI Technology (by Capability)
    - 3.2.2.2.1 Weak AI
    - 3.2.2.2.2 General AI
    - 3.2.2.2.3 Strong AI
- 3.2.3 Key AI Use Cases in Energy
  - 3.2.3.1 Predictive Analytics
  - 3.2.3.2 Drones/UAVs
  - 3.2.3.3 Intelligent Energy Storage
  - 3.2.3.4 Variable Renewable Energy Integration
- 3.3 Investment and Funding Landscape
- 3.4 Key Consortiums and Associations

## **4 GLOBAL ARTIFICIAL INTELLIGENCE (AI) IN ENERGY MARKET (BY INDUSTRY STREAM)**

- 4.1 Market Overview
- 4.2 Oil & Gas Industry
  - 4.2.1 Upstream
  - 4.2.2 Midstream
  - 4.2.3 Downstream
- 4.3 Power Industry
  - 4.3.1 Generation
  - 4.3.2 Transmission
  - 4.3.3 Distribution

## **5 GLOBAL ARTIFICIAL INTELLIGENCE (AI) IN ENERGY MARKET (BY PRODUCT OFFERING)**

5.1 Market Overview

5.2 Software

5.3 Hardware

5.4 AI-as-a-Service

5.5 Support Services

## **6 GLOBAL ARTIFICIAL INTELLIGENCE (AI) IN ENERGY MARKET (BY APPLICATION)**

6.1 Market Overview

6.2 Oil & Gas Applications

6.2.1 Fleet and Asset Management

6.2.2 Precision Drilling

6.2.3 Demand Forecasting

6.2.4 Others

6.3 Power Applications

6.3.1 Renewable Energy Management

6.3.2 Infrastructure Management

6.3.3 Demand Response Management

6.3.4 Others

## **7 GLOBAL ARTIFICIAL INTELLIGENCE (AI) IN ENERGY MARKET (BY REGION)**

7.1 North America

7.1.1 North America Artificial Intelligence in Energy Market (by Industry)

7.1.2 North America Artificial Intelligence in Energy Market (by Country)

7.1.2.1 U.S.

7.1.2.2 Canada

7.1.2.3 Rest-of-North America

7.2 Europe

7.2.1 Europe Artificial Intelligence in Energy Market (by Industry)

7.2.2 Europe Artificial Intelligence in Energy Market (by Country)

7.2.2.1 U.K.

7.2.2.2 Germany

7.2.2.3 France

7.2.2.4 Norway

7.2.2.5 Rest-of-Europe

7.3 Asia-Pacific

7.3.1 Asia-Pacific Artificial Intelligence in Energy Market (by Industry)

### 7.3.2 Asia-Pacific Artificial Intelligence in Energy Market (by Country)

#### 7.3.2.1 China

#### 7.3.2.2 Japan

#### 7.3.2.3 Australia

#### 7.3.2.4 India

#### 7.3.2.5 Rest-of-Asia-Pacific

### 7.4 Rest-of-the-World (RoW)

#### 7.4.1 RoW Artificial Intelligence in Energy Market (by Industry)

#### 7.4.2 RoW Artificial Intelligence in Energy Market (by Country)

##### 7.4.2.1 Saudi Arabia

##### 7.4.2.2 U.A.E

##### 7.4.2.3 Brazil

##### 7.4.2.4 Rest-of-RoW

## 8 COMPANY PROFILES

### 8.1 Overview

#### AI Solution Providers

### 8.2 Accenture PLC

#### 8.2.1 Company Overview

#### 8.2.2 Role of Accenture PLC in Artificial Intelligence in Energy Market

#### 8.2.3 Financials

#### 8.2.4 Key Insights About the Financial Health of the Company

#### 8.2.5 SWOT Analysis

### 8.3 Amazon Web Services, Inc.

#### 8.3.1 Company Overview

#### 8.3.2 Role of Amazon Web Services, Inc. in Artificial Intelligence in Energy Market

#### 8.3.3 Financials

#### 8.3.4 SWOT Analysis

### 8.4 AutoGrid Systems, Inc

#### 8.4.1 Company Overview

#### 8.4.2 Role of AutoGrid Systems, Inc in Artificial Intelligence in Energy Market

#### 8.4.3 SWOT Analysis

### 8.5 Cisco Systems Inc.

#### 8.5.1 Company Overview

#### 8.5.2 Role of Cisco Systems Inc. in Global Artificial Intelligence in Energy Market

#### 8.5.3 Financials

#### 8.5.4 SWOT Analysis

### 8.6 C3 IoT, Inc.



- 8.6.1 Company Overview
- 8.6.2 Role of C3 IoT, Inc. in Artificial Intelligence in Energy Market
- 8.6.3 SWOT Analysis
- 8.7 General Electric
  - 8.7.1 Company Overview
  - 8.7.2 Role of General Electric in Artificial Intelligence in Energy Market
  - 8.7.3 Financials
  - 8.7.4 Key Insights About the Financial Health of the Company
  - 8.7.5 SWOT Analysis
- 8.8 HCL Technologies Ltd.
  - 8.8.1 Company Overview
  - 8.8.2 Role of HCL Technologies Ltd. In Artificial Intelligence in Energy Market
  - 8.8.3 Financials
  - 8.8.4 SWOT Analysis
- 8.9 Huawei Technologies Co., Ltd.
  - 8.9.1 Company Overview
  - 8.9.2 Role of Huawei Technologies Co., Ltd. in AI in Energy Market
  - 8.9.3 Financials
  - 8.9.4 SWOT Analysis
- 8.10 International Business Machines Corporation (IBM)
  - 8.10.1 Company Overview
  - 8.10.2 Role of IBM Corporation in Artificial Intelligence in Energy Market
  - 8.10.3 Financials
  - 8.10.4 Key Insights About the Financial Health of the Company
  - 8.10.5 SWOT Analysis
- 8.11 Intel Corporation
  - 8.11.1 Company Overview
  - 8.11.2 Role of Intel Corporation in Artificial Intelligence in Energy Market
  - 8.11.3 Financials
  - 8.11.4 Key Insights About the Financial Health of the Company
  - 8.11.5 SWOT Analysis
- 8.12 Kellton Tech Solutions Ltd.
  - 8.12.1 Company Overview
  - 8.12.2 Role of Kellton Tech Solutions Ltd. in Artificial Intelligence in Energy Market
  - 8.12.3 Financials
  - 8.12.4 SWOT Analysis
- 8.13 Microsoft Corporation
  - 8.13.1 Company Overview
  - 8.13.2 Role of Microsoft Corporation in Artificial Intelligence in Energy Market

### 8.13.3 Financials

### 8.13.4 Key Insights About the Financial Health of the Company

### 8.13.5 SWOT Analysis

## 8.14 Oracle Corporation

### 8.14.1 Company Overview

### 8.14.2 Role of Oracle Corporation in Artificial Intelligence in Energy Market

### 8.14.3 Financials

### 8.14.4 Key Insights About the Financial Health of the Company

### 8.14.5 SWOT Analysis

## 8.15 Rockwell Automation Inc.

### 8.15.1 Company Overview

### 8.15.2 Role of Rockwell Automation Inc. in Artificial Intelligence in Energy Market

### 8.15.3 Financials

### 8.15.4 Key Insights About the Financial Health of the Company

### 8.15.5 SWOT Analysis

## 8.16 SAP SE

### 8.16.1 Company Overview

### 8.16.2 Role of SAP SE in Artificial Intelligence in Energy Market

### 8.16.3 Financials

### 8.16.4 SWOT Analysis

## 8.17 Wipro Limited

### 8.17.1 Company Overview

### 8.17.2 Role of Wipro Limited in Artificial Intelligence in Energy Market

### 8.17.3 Financials

### 8.17.4 SWOT Analysis

## Other Key Companies

## 8.18 ABB Ltd.

### 8.18.1 Company Overview

### 8.18.2 Role of ABB Ltd. In Artificial Intelligence in Energy Market

## 8.19 Actility S.A.

### 8.19.1 Company Overview

### 8.19.2 Role of Actility S.A. in Artificial Intelligence in Energy Market

## 8.20 Enel X North America, Inc.

### 8.20.1 Company Overview

### 8.20.2 Role of Enel X North America, Inc. in Artificial Intelligence in Energy Market

## 8.21 Equinor ASA

### 8.21.1 Company Overview

### 8.21.2 Role of Equinor ASA in Artificial Intelligence in Energy Market

## 8.22 Ingersoll Rand Plc

- 8.22.1 Company Overview
- 8.22.2 Role of Ingersoll Rand Plc in the Artificial Intelligence in Energy Market
- 8.23 Royal Dutch Shell PLC
  - 8.23.1 Company Overview
  - 8.23.2 Role of Royal Dutch Shell PLC in Artificial Intelligence in Energy Market
- 8.24 Siemens AG
  - 8.24.1 Company Overview
  - 8.24.2 Role of Siemens AG in Artificial Intelligence in Energy Market
- 8.25 Schneider Electric
  - 8.25.1 Company Overview
  - 8.25.2 Role of Schneider Electric in Artificial Intelligence in Energy Market
- 8.26 Schlumberger Limited
  - 8.26.1 Company Overview
  - 8.26.2 Role of Schlumberger Limited in Artificial Intelligence in Energy Market
- 8.27 Tokyo Electric Power Company
  - 8.27.1 Company Overview
  - 8.27.2 Role of Tokyo Electric Power Company in Artificial Intelligence in Energy Market

## **9 REPORT SCOPE AND METHODOLOGY**

- 9.1 Report Scope
- 9.2 Market Research Methodology
  - 9.2.1 Assumptions
  - 9.2.2 Limitations
  - 9.2.3 Primary Data Sources
  - 9.2.4 Secondary Data Sources
  - 9.2.5 Data Triangulation
  - 9.2.6 Market Estimation and Forecast

## **10 ANNEXURE**

- 10.1 Annexure A : List of Key Strategies and Developments in Global Artificial Intelligence in Energy Market (Jan 2017-Sep 2019)

## List Of Tables

### LIST OF TABLES

Table 1.1: Impact Analysis of Drivers

Table 1.2: List of Investors Promoting Decentralized Energy System

Table 1.3: Applications of Battery Storage Systems in the Power Supply Network

Table 1.4: Impact Analysis of Restraints

Table 1.5: Initiatives for the Advancement of the U.S. Grid Network

Table 1.6: Advantages and Growth Enablers of Smart Buildings

Table 3.1: Applications of Energy Storage Systems in the Power Supply Network

Table 3.2: Regulatory Policies to Promote Variable Renewable Energy

Table 3.3: Key Consortiums and Associations in Global AI in Energy Market

Table 4.1: Global Artificial Intelligence in Energy Market (by Industry Stream), \$Million, 2018-2024

Table 4.2: Global Artificial Intelligence in Oil & Gas Market (by Industry Stream), 2018-2024, \$Million

Table 4.3: Some of the AI Solution Providers in the Upstream Sector

Table 4.4: Key AI Solution Providers in the Downstream Sector

Table 4.5: Global Artificial Intelligence in the Power Market (by Industry Stream), 2018-2024, \$Million

Table 5.1: Global Artificial Intelligence in Energy Market (by Product Offering), \$Million, 2018-2024

Table 5.2: Key Artificial Intelligence Software Providers

Table 5.3: Hardware Offering by Key Players in Artificial Intelligence in Energy Market

Table 5.4: Product Portfolio of the Key Players Providing AlaaS

Table 6.1: Global Artificial Intelligence in Oil & Gas Market (by Application), \$Million 2018-2024

Table 6.2: Key Companies with AI Products for Fleet and Asset Management in Global AI in Energy Market

Table 6.3: Key Companies with AI Products for Precision Drilling in Global AI in Energy Market

Table 6.4: Global Artificial Intelligence in Power Market (by Application), \$Million 2018-2024

Table 6.5: Key Companies with AI Products for Renewable Energy Management in Global AI in Energy Market

Table 6.6: Features of Demand Response Mechanism

Table 6.7: Demand Response Programs in the U.S.

Table 7.1: Global Artificial Intelligence in Energy Market (by Region), 2018-2024,

\$Million

Table 7.2: North America in Artificial Intelligence in Energy (by Industry), 2018-2024, \$Million

Table 7.3: North America in Artificial Intelligence in Energy Market (by Country), 2018-2024, \$Million

Table 7.4: Use Cases in the U.S. in AI in Power Industry

Table 7.5: Recent Developments in the Canada AI in Power and Oil & Gas Industry

Table 7.6: Europe in Artificial Intelligence in Energy (by Industry), 2018-2024, \$Million

Table 7.7: Europe in Artificial Intelligence in Energy Market (by Country), 2018-2024, \$Million

Table 7.8: Use cases of AI by power utilities in the U.K.

Table 7.9: Recent Developments in the Germany AI in Power Industry

Table 7.10: Asia-Pacific Artificial Intelligence in Energy Market (by Industry), 2018-2024, \$Million

Table 7.11: Asia-Pacific Artificial Intelligence in Energy Market (by Country), 2018-2024, \$Million

Table 7.12: Australia Government Initiatives for Energy Conservation

Table 7.13: Benefits of Stakeholders from Smart Grid

Table 7.14: RoW Artificial Intelligence in Energy Market (by Industry), 2018-2024, \$Million

Table 7.15: RoW Artificial Intelligence in Energy Market (by Country), 2018-2024, \$Million

Table 8.1: Accenture PLC: Product Portfolio

Table 8.2: Amazon Web Services, Inc.: Product Portfolio

Table 8.3: AutoGrid Systems, Inc: Product Portfolio

Table 8.4: Cisco Systems Inc.: Product Portfolio

Table 8.5: C3 IoT: Product Portfolio

Table 8.6: General Electric: Product Portfolio

Table 8.7: HCL Technologies Ltd.: Product Portfolio

Table 8.8: Huawei Technologies Co., Ltd.: Product Portfolio

Table 8.9: IBM Corporation: Product Portfolio

Table 8.10: Intel Corporation: Product Portfolio

Table 8.11: Kellton Tech Solutions Ltd: Product Portfolio

Table 8.12: Microsoft Corporation: Product Portfolio

Table 8.13: Oracle Corporation: Product Portfolio

Table 8.14: Rockwell Automation Inc.: Product Portfolio

Table 8.15: SAP SE: Product Portfolio

Table 8.16: Schneider Electric: Product Portfolio

Table 8.17: Enel X North America, Inc.: Product Portfolio

Table 8.18: Equinor ASA: Product Portfolio

Table 8.19: Ingersoll Rand Plc: Product Portfolio

Table 8.20: Schlumberger Limited: Product Portfolio

## List Of Figures

### LIST OF FIGURES

Figure 1: Artificial Intelligence in Oil & Gas Industry

Figure 2: Driving and Restraint Factors in the Global Artificial Intelligence in Energy Market

Figure 3: Global Artificial Intelligence in Energy Market Snapshot

Figure 4: Global Artificial Intelligence in Energy (by Product Offering), \$Million, 2019 and 2024,

Figure 5: Global Artificial Intelligence in Energy Market (by Application), \$Million, 2019-2024

Figure 6: Global Artificial Intelligence in Oil & Gas Market (by Industry Stream), \$Million, 2019 and 2024

Figure 7: Global Artificial Intelligence in Power Market (by Industry Stream), \$Million, 2019 and 2024

Figure 8: Regional Artificial Intelligence in Energy Market Snapshot

Figure 1.1: Market Dynamics

Figure 1.2: Global Energy Demand Projection, 2015-2040

Figure 2.1: Market Strategies Adopted by the Key Players (January 2017-September 2019)

Figure 2.2: Share of Key Market Strategies and Developments (January 2017-September 2019)

Figure 2.3: Partnerships, Collaborations, and Joint Ventures Share (by Company)

Figure 2.4: New Product Launches and Developments Share (by Company)

Figure 2.5: Business Expansions and Contracts Share (by Company)

Figure 2.6: Mergers and Acquisitions Share (by Company)

Figure 2.7: Competitive Benchmarking Matrix

Figure 3.1: Stakeholders of AI in Energy Market

Figure 3.2: Process Flow Chart of Power Industry

Figure 3.3: Process Flow Chart of Oil & Gas Industry

Figure 3.4: Value Chain of Artificial Intelligence

Figure 3.5: An Overview of Artificial Intelligence Technology Ecosystem

Figure 3.6: Types of Artificial Intelligence Technology Based on Capability

Figure 3.7: Artificial Intelligence in Energy: Key Use Cases

Figure 3.8: Global Artificial Intelligence in Energy Market: Investment and Funding, November 2016-October 2019

Figure 3.9: Investment and Funding Landscape Share (by Product Offering), \$Million, November 2016-October 2019



- Figure 3.10: Investment and Funding Landscape Share (by Round), \$Million
- Figure 4.1: Industry Streams in Global AI in Energy Market
- Figure 4.2: Global Artificial Intelligence in Upstream (in Oil & Gas) Market, 2018-2024
- Figure 4.3: Major Activities in the Midstream Sector
- Figure 4.4: Global Artificial Intelligence in Midstream (in Oil & Gas) Market, 2018-2024
- Figure 4.5: Major Activities in the Downstream Sector
- Figure 4.6: Global Artificial Intelligence in Downstream (in Oil & Gas) Market, 2018-2024
- Figure 4.7: Global Artificial Intelligence in Generation (in Power) Market, 2018-2024
- Figure 4.8: Major Activities in the Transmission Sector
- Figure 4.9: Global Artificial Intelligence in Transmission (in Power) Market, 2018-2024
- Figure 4.10: Global Artificial Intelligence in Distribution (in Power) Market, 2018-2024
- Figure 5.1: Global Artificial Intelligence Software in Energy Market, \$Million, 2018-2024
- Figure 5.2: Advantages of Software as a Service (SaaS)
- Figure 5.3: Global Artificial Intelligence Hardware in Energy Market, 2018-2024
- Figure 5.4: Hardware Product Offerings in Global Artificial Intelligence in Energy Market
- Figure 5.5: Advantages of Artificial Intelligence as a Service (AlaaS)
- Figure 5.6: Global AI-as-a-Service in Energy Market, \$Million, 2018-2024
- Figure 5.7: Key Artificial Intelligence Support Services in Energy Market
- Figure 5.8: Global Artificial Intelligence Support Services in Energy Market, 2018-2024
- Figure 6.1: Key Applications in Global Artificial Intelligence in Energy Market
- Figure 6.2: Key Applications of Artificial Intelligence in Oil & Gas Industry
- Figure 6.3: Fleet and Asset Management in Global Artificial Intelligence in Oil & Gas Market (by Application), 2018-2024
- Figure 6.4: Precision Drilling in Global Artificial Intelligence in Oil & Gas Market (by Application), 2018-2024
- Figure 6.5: Demand Forecasting in Global Artificial Intelligence in Oil & Gas Market (by Application), 2018-2024
- Figure 6.6: Other Applications in Global Artificial Intelligence in Oil & Gas Market (by Application), 2018-2024
- Figure 6.7: Key Artificial Intelligence Applications in Power Industry
- Figure 6.8: Renewable Energy Management in Global Artificial Intelligence in Power Market (by Application), 2018-2024
- Figure 6.9: Artificial Intelligence based Process for Renewable Energy Forecast
- Figure 6.10: Infrastructure Management in Global Artificial Intelligence in Power Market (by Application), 2018-2024
- Figure 6.11: Demand Response Management in Global Artificial Intelligence in Power Market (by Application), 2018-2024
- Figure 6.12: Other Applications in Global Artificial Intelligence in Power Market (by Application), 2018-2024



- Figure 7.1: Global Artificial Intelligence in Energy Regional Market Snapshot
- Figure 7.2: North America Artificial Intelligence in Energy Market, 2018-2024, \$Million
- Figure 7.3: U.S. Electricity Generation (by Sector) in 2018
- Figure 7.4: U.S. Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.5: Canada Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.6: Rest-of-North America Artificial Intelligence in Energy Market, \$Million, 2018-2024
- Figure 7.7: Europe Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.8: The U.K. Artificial Intelligence in Energy Market, 2018-2024, \$Million
- Figure 7.9: Germany Artificial Intelligence in Energy Market, 2018-2024, \$Million
- Figure 7.10: France Artificial Intelligence in Energy Market, 2018-2024, \$Million
- Figure 7.11: Norway Artificial Intelligence in Energy Market, 2018-2024, \$Million
- Figure 7.12: Rest-of-Europe Artificial Intelligence in Energy Market, 2018-2024, \$Million
- Figure 7.13: Asia-Pacific Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.14: China Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.15: Japan Artificial Intelligence in Energy Market, 2018-2024, \$Million
- Figure 7.16: Australia Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.17: India Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.18: Rest-of-Asia-Pacific Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.19: RoW Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.20: Saudi Arabia Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.21: U.A.E Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.22: Brazil Artificial Intelligence in Energy Market, 2018-2024
- Figure 7.23: Rest- of- RoW Artificial Intelligence in Energy Market, 2018-2024, \$Million
- Figure 8.1: Segmentation of Key Companies Profiled by Type of Company
- Figure 8.2: Accenture PLC: Overall Financials, 2016-2018
- Figure 8.3: Accenture Plc: Net Revenue (by Business Segment), 2016-2018
- Figure 8.4: Accenture PLC: Net Revenue (by Regional Segment), 2016-2018
- Figure 8.5: Research and Development: Accenture PLC – 2016 to 2018
- Figure 8.6: Accenture PLC: SWOT Analysis
- Figure 8.7: Amazon.com, Inc.: Net Revenue (by Business Segment), 2016-2018
- Figure 8.8: Amazon.com, Inc.: SWOT Analysis
- Figure 8.9: AutoGrid Systems, Inc: SWOT Analysis
- Figure 8.10: Cisco Systems Inc.: Overall Financials, 2016-2018
- Figure 8.11: Cisco Systems Inc.: Net Revenue (by Business Segment), 2016-2018
- Figure 8.12: Cisco Systems: Net Revenue (by Region), 2016-2018
- Figure 8.13: Cisco Systems Inc.: SWOT Analysis
- Figure 8.14: C3 IoT: SWOT Analysis
- Figure 8.15: General Electric: Overall Financials, 2016-2018

- Figure 8.16: General Electric: Net Revenue (by Business Segment), 2016-2018
- Figure 8.17: General Electric: Net Revenue (by Regional Segment), 2016-2018
- Figure 8.18: General Electric: Research and Development: 2016-2018
- Figure 8.19: General Electric: SWOT Analysis
- Figure 8.20: HCL Technologies Ltd.: Overall Financials, 2017-2019
- Figure 8.21: HCL Technologies Ltd.: Net Revenue (by Business Segment), 2017-2019
- Figure 8.22: HCL Technologies Ltd.: Net Revenue (by Regional Segment), 2017-2019
- Figure 8.23: HCL Technologies Ltd.: SWOT Analysis
- Figure 8.24: Huawei Technologies Co., Ltd.: Overall Financials, 2016-2018
- Figure 8.25: Huawei Technologies Co., Ltd.: Net Revenue (by Business Segment), 2016-2018
- Figure 8.26: Huawei Technologies Co., Ltd.: Net Revenue (by Region), 2016-2018
- Figure 8.27: Huawei Technologies Co., Ltd.: SWOT Analysis
- Figure 8.28: IBM Corporation: Overall Financials, 2016-2018
- Figure 8.29: IBM Corporation: Net Revenue (by Business Segment), 2016-2018
- Figure 8.30: IBM Corporation: Net Revenue (by Regional Segment), 2016-2018
- Figure 8.31: IBM Corporation: R&D Expenditure, 2016-2018
- Figure 8.32: IBM Corporation: SWOT Analysis
- Figure 8.33: Intel Corporation: Overall Financials, 2016-2018
- Figure 8.34: Intel Corporation: Net Revenue (by Business Segment), 2016-2018
- Figure 8.35: Intel Corporation: Net Revenue (by Regional Segment), 2016-2018
- Figure 8.36: Research and Development: Intel Corporation – 2016 to 2018
- Figure 8.37: Intel Corporation: SWOT Analysis
- Figure 8.38: Kellton Tech Solutions Ltd: Overall Financials, 2017-2019
- Figure 8.39: Kellton Tech Solutions Ltd: Net Revenue (by Business Segment), 2017-2019
- Figure 8.40: Kellton Tech: Net Revenue (by Region), 2017 and 2019
- Figure 8.41: Kellton Tech: SWOT Analysis
- Figure 8.42: Microsoft Corporation: Overall Financials, 2016-2018
- Figure 8.43: Microsoft Corporation: Net Revenue (by Business Segment), 2016-2018
- Figure 8.44: Microsoft Corporation: Net Revenue (by Regional Segment), 2016-2018
- Figure 8.45: Research and Development: Microsoft Corporation – 2016 to 2018
- Figure 8.46: Microsoft Corporation: SWOT Analysis
- Figure 8.47: Oracle Corporation: Overall Financials, 2016-2018
- Figure 8.48: Oracle Corporation: Net Revenue by Business Segment, 2017-2018
- Figure 8.49: Oracle Corporation: Net Revenue by Regional Segment, 2017-2018
- Figure 8.50: Research and Development: Oracle Corporation – 2016 to 2018
- Figure 8.51: Oracle Corporation: SWOT Analysis
- Figure 8.52: Rockwell Automation Inc.: Overall Financials, 2016-2018

Figure 8.53: Rockwell Automation Inc.: Net Revenue (by Business Segment), 2016-2018

Figure 8.54: Rockwell Automation Inc.: Net Revenue (by Regional Segment), 2016-2018

Figure 8.55: Research and Development: Rockwell Automation – 2016 to 2018

Figure 8.56: Rockwell Automation Inc.: SWOT Analysis

Figure 8.57: SAP SE: Overall Financials, 2016-2018

Figure 8.58: SAP SE: Net Revenue by Business Segment, 2016-2018

Figure 8.59: SAP SE: Net Revenue by Regional Segment, 2016-2018

Figure 8.60: SAP SE: SWOT Analysis

Figure 8.61: Wipro Limited: Overall Financials, 2017-2019

Figure 8.62: Wipro Limited: Net Revenue (by Business Segment), 2018-2019

Figure 8.63: Wipro Limited: Net Revenue by Regional Segment, 2018-2019

Figure 8.64: Wipro Limited: SWOT Analysis

Figure 9.1: Artificial Intelligence in Energy Market Scope

Figure 9.2: Report Methodology

Figure 9.3: Primary Interviews Breakdown, by Company, Designation, and Region

Figure 9.4: Sources of Secondary Research

Figure 9.5: Data Triangulation

Figure 9.6: Top-Down and Bottom-Up Approach for Market Estimation

## I would like to order

Product name: Global Artificial Intelligence (AI) in Energy Market: Focus on Product Type (Software, AI-as-a-Service, Hardware, Support Services), Industry (Oil & Gas, Power), Applications (Fleet & Asset, Demand Response, Precision Drilling, Renewable Management), Funding – Analysis and Forecast, 2019-2024

Product link: <https://marketpublishers.com/r/G46630DBC443EN.html>

Price: US\$ 4,000.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G46630DBC443EN.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