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AI in Energy Market By Component Type (Solutions, Services) , By Deployment Type (On-Premise, Cloud) By Application (Robotics, Renewables Management, Demand Forecasting, Safety & Security, Infrastructure, Others) By End-Use (Energy Transmission, Energy Generation, Energy Distribution, Utilities) : Global Opportunity Analysis and Industry Forecast, 2024-2029

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Abstracts

The global ai in energy market was valued at $4.0 billion in 2021, and is projected to reach $19.8 billion by 2031, growing at a CAGR of 17.4% from 2022 to 2031.

Artificial Intelligence is defined as the ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings. The three fundamental AI concepts are machine learning, deep learning, and neural networks.

The artificial intelligence in energy market is segmented on the basis of component type, deployment type, application, end user, and region. On the basis of component type, it is bifurcated into solutions and services. By deployment type, the market is categorized into on-premise and cloud. On the basis of application, the market is classified into robotics, renewables management, demand forecasting, safety & security, infrastructure, and others. On the basis of end user, it is divided into energy transmission, energy generation, energy distribution, and utilities. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The global artificial intelligence in energy market profiles leading players that include,

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ABB ltd., Accenture plc, Amazon Web Services Inc., Autogrid Systems, Inc., C3.ai, Centrica plc, Cisco Systems Inc., General Electric, HCL Technologies, Huawei Technologies Co., Ltd., IBM Corporation, Intel Corporation, Mitsubishi Electric and Schneider Electric, and Senseye. The global artificial intelligence in energy market report provides in-depth competitive analysis as well as profiles of these major players.

The growth drivers, restraints, and opportunities are explained in the report to better understand the market dynamics. This report further highlights the key areas of investments. In addition, it includes Porter’s five forces analysis to understand the competitive scenario of the industry and role of each stakeholder. The report features strategies adopted by key market players to maintain their foothold in the market. Furthermore, it highlights the competitive landscape of key players to increase their market share and sustain intense competition in the industry.

Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the ai in energy market analysis from 2021 to 2031 to identify the prevailing ai in energy market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the ai in energy market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global ai in energy market trends, key players, market segments, application areas, and market growth strategies.

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Key Market Segments

By Component Type

Solutions

Services

By Deployment Type

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On-Premise

Cloud

By Application

Robotics

Renewables Management

Demand Forecasting

Safety Security

Infrastructure

Others

By End-Use

Energy Transmission

Energy Generation

Energy Distribution

Utilities

By Region

North America

U.S.

Canada

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Mexico

Europe

France

Germany

Italy

Spain

UK

Russia

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Thailand

Malaysia

Indonesia

Rest of Asia-Pacific

LAMEA

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