

The Internet of Things (IoT) in Energy and Utility Applications

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Abstracts

DESCRIPTION

Get in-depth patent analysis of IoT product technologies? currently under investigation or new in the market over the next 5 year.

EXECUTIVE SUMMARY

The global market for the internet of things (IoT) in energy and utility applications should reach \$59.9 billion by 2022 from \$21.4 billion in 2017 at a compound annual growth rate (CAGR) of 22.9%, from 2017 to 2022.

The hardware segment is the largest technology type of the global IoT in Energy and Utility Applications market. The market is expected to grow from \$6.5 billion in 2017 to \$17.3 billion in 2022 at a CAGR of 21.7% for the period 2017-2022.

The services segment of the global market for the IoT in energy and utility applications is expected to grow from \$5.9 billion in 2017 to \$17.0 billion in 2022 at a CAGR of 23.5% for the period 2017-2022.



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Major Market Forces

Key Strategies Used in the Global IoT in the Energy and Utilities Market

Smart Water Sensor and Water Leak Detector

Edge Analytics in IoT

Proactive Benefits of IoT Data

Strong Growth of Nontraditional IoT and Technology Companies

IoT and Connected Devices Technology Providers

Large Technology Vendors Also Present in Multiple Verticals

Energy and Utility-Specific Technology Companies

Energy Producers and Utility Service Providers

Suppliers and Distributors with Their Own IoT or Connectivity Technologies

Demand to Increase Operational Efficiency

Constantly Increasing Consumption and Demand for Energy Generation

Need to Better Serve Customers

Growing Regulations and the Need for Improved Worker Safety and Working

Environment

Decline in Prices of IoT Components and Availability of Next-Generation Sensors

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Partnerships and Joint Ventures Among Different Stakeholders

Geographic Expansion

Hardware Technology Segment

Software Technology Segment

Services Segment

Connectivity Segment

Oil and Gas

Mining

Utility Gas Management

Water Management

Electricity Grid and Supply Management

Cellular

Noncellular

North America

Europe

Asia-Pacific

Middle East and Africa

United States

Canada

Germany

United Kingdom



France
Italy
Spain
China
Japan
South Korea
India
Australia
United Arab Emirates
Saudi Arabia
Qatar
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Threat of New Entrants
Continued Strong Growth of APAC Region
Continued Mergers and Acquisitions
Increasing Investments and Funding
New Market Entrants to Continue
Low Technological Understanding in Some Regions
Unorganized Companies in Certain Sectors in Specific Regions
Low Economic Development in Certain Regions
ACLARA TECHNOLOGIES LLC
AMPLIA SOLUCIONES S.L
C3 INC.
CARRIOTS S.L.
CISCO SYSTEMS INC.
DAVRA NETWORKS LIMITED
ENERGYWORX B.V.
GENERAL ELECTRIC CORP.
GRID4C
HONEYWELL INTERNATIONAL INC.
IBM CORP.
NETWORKED ENERGY SERVICES (NES) CORP.
NORTHWEST ANALYTICS INC.
OSISOFT LLC
OLIAL COMMAINICORDODATED

QUALCOMM INCORPORATED

ROBERT BOSCH GMBH



SAP SE

SILVER SPRING NETWORKS INC.

SYMBOTICWARE INC.

TERADATA CORP.

TRILLIANT INCORPORATED

WAVIOT

Business Overview:

Key Products and Services:

Strengths:

Challenges:

Business Overview:



Key Products and Services:
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COMPANIES MENTIONED

ACLARA TECHNOLOGIES LLC

C3 INC.

CARRIOTS S.L.

CISCO SYSTEMS INC.

DAVRA NETWORKS LIMITED

ENERGYWORX B.V.

GENERAL ELECTRIC CORP.

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HONEYWELL INTERNATIONAL INC.

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