

Low Power Wide Area Network Market: By Network Deployment (Public Sector, Private Sector), By Application (Smart Waste Management, Smart Buildings, Smart Gas and Water Metering, Smart Streetlights, Smart Parking, Livestock Monitoring, Others), By Verticals (Agriculture, Smart Logistic and Transportation, Healthcare, Industrial Manufacturing, Oil and Gas, Consumer Electronics, Others), And Region – Global Analysis of Market Size, Share & Trends For 2019–2021 And Forecasts To 2031

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Abstracts

Low Power Wide Area Network Market: By Network Deployment (Public Sector, Private Sector), By Application (Smart Waste Management, Smart Buildings, Smart Gas and Water Metering, Smart Streetlights, Smart Parking, Livestock Monitoring, Others), By Verticals (Agriculture, Smart Logistic and Transportation, Healthcare, Industrial Manufacturing, Oil and Gas, Consumer Electronics, Others), And Region – Global Analysis of Market Size, Share & Trends For 2019–2021 And Forecasts To 2031

PRODUCT OVERVIEW

A low-power wide-area network (LPWAN) is a sort of wireless telecommunication wide area network that allows long-range communications at a low bit rate among devices or linked objects, such as sensors that are powered by batteries. This sort of network is distinguished from a wireless WAN by its low bit rate, low power, and intended usage. A wireless WAN is designed to connect individuals or organizations and transmit more

data while requiring more power. A low-power wide-area network (LPWAN) can be used to construct a private wireless sensor network, but it can also be a service or infrastructure provided by a third party that allows sensor owners to install sensors in the field without having to invest in gateway technology.

MARKET HIGHLIGHTS

Global Low Power Wide Area Network Market is projected to reach a remarkable CAGR of 89.8% by 2031

Global Low Power Wide Area Network Market to surpass USD 6,836.8 billion by 2031 from USD 11.3 billion in 2021 at a CAGR of 89.8% in the coming years, i.e., 2021-2031. The growing integration of the Internet of Things (IoT) and Machine-to-Machine (M2M) across numerous industries is projected to continue to fuel market expansion. Managed services are predicted to increase at a faster rate than other services. These managed service providers work with top satellite and mobile networks to deliver high-end managed services to application developers, system integrators, and end users.

GLOBAL LOW POWER WIDE AREA NETWORK MARKET: SEGMENTS

Public Sector segment is expected to grow at a considerable rate during 2021-31

On the basis of Network Deployment, the Low Power Wide Area Network Market is divided into Public Sector and Private Sector. The private sector is predicted to take a larger part of the market, while the public sector will grow at a faster rate. Municipal governments are working on constructing public infrastructures such as smart cities in order to improve citywide services such as garbage collection, parking, streetlights, water metres, and leak detectors, among other things.

Smart Gas and Water Metering segment is likely to grow with the highest CAGR

By Application, the Low Power Wide Area Network Market is segmented into Agriculture, Smart Logistic and Transportation, Healthcare, Industrial Manufacturing, Oil and Gas, Consumer Electronics, and Others. Smart gas and water metering applications are predicted to increase at the fastest rate. The implementation of smart metres marks a paradigm change in understanding energy consumption at all levels of the power grid. With the widespread deployment of LPWAN technology, there will be more commonality among smart metre makers and vendors.

MARKET DYNAMICS

Drivers

Lower power consumption of Low Power Wide Area Network

Rising adoption of IoT in multiple applications

Restraint

High cost associated with the Low Power Wide Area Network

GLOBAL LOW POWER WIDE AREA NETWORK MARKET:

Key Players

Semtech Corporation

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

LORIoT

NWave Technologies

SIGFOX

WAVIoT

Cisco Systems

Actility

Weightless SIG

Senet, Inc.

AT&T Inc.

Huawei Technologies Co. Ltd.

Vodafone Group Plc.

Other Prominent Players

Global Low Power Wide Area Network Market report also contains analysis on:

Low Power Wide Area Network Market Segments:

By Network Deployment

Public Sector

Private Sector

By Application

Smart Waste Management

Smart Buildings

Smart Gas and Water Metering

Smart Streetlights

Smart Parking

Livestock Monitoring

Others

By Verticals

Agriculture

Smart Logistic and Transportation

Healthcare

Industrial Manufacturing

Oil and Gas

Consumer Electronics

Others

Low Power Wide Area Network Market Dynamics

Low Power Wide Area Network Market Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each

region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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