LPWA (Low Power Wide Area) Networks Ecosystem Market Share 2016 Analysis 166 Ecosystem Players and Forecast to 2022

LPWA (Low Power Wide Area) Networks Ecosystem Market Share to Grow $27 Billion in service revenue Forecast to 2022

PUNE, INDIA, September 13, 2016 /EINPresswire.com/ -- The "LPWA (Low Power Wide Area) Networks Ecosystem: 2015 – 2030 – Opportunities, Challenges, Strategies, Industry Verticals & Forecasts" report presents an in-depth assessment of the LPWA networks ecosystem including LPWA technologies, key trends, market drivers, challenges, vertical market applications, deployment case studies, regulatory landscape, standardization, opportunities, future roadmap, value chain, ecosystem player profiles and strategies. The report also presents market size forecasts from 2015 till 2030. The forecasts are segmented for 9 vertical markets and 6 regions.
Until recently, most M2M and IoT services have largely relied on licensed cellular, wireline and satellite networks for their wide area connectivity requirements. Cellular networks, in particular, have enjoyed significant success in the arena. However, for many low bandwidth IoT applications, traditional cellular networks are deemed too expensive due excessive power consumption and complex protocols that lower battery life. As a result, a number of LPWA (Low Power Wide Area) alternatives have emerged that specifically seek to address these concerns.

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LPWA networks are optimized to provide wide area coverage with minimal power consumption. Typically reliant on unlicensed frequencies, LPWA devices have low data rates, long battery lives and can operate unattended for long periods of time.

Already prevalent in IoT applications such as smart metering, lighting control and parking management, LPWA networks are expected to make a significant contribution to the M2M and IoT ecosystem, with an estimated $27 Billion in service revenue by 2020.

The report comes with an associated Excel datasheet suite covering quantitative data from all numeric forecasts presented in the report.
Key Findings:
The report has the following key findings:
Already prevalent in IoT applications such as smart metering, lighting control and parking management, LPWA networks are expected to make a significant contribution to the M2M and IoT ecosystem, with an estimated $27 Billion in service revenue by 2020.

As of Q4'2015, SNS Research estimates the cost of a typical LPWA module to be $5-20, depending on the specific technology. As LPWA network deployments mature, we expect that the cost per module can drop down to as low as $1-2 in volume quantities.

At present, a majority of LPWA networks operate in license-exempt spectrum primarily in sub-GHz bands. There are a number of ongoing initiatives that call for regulators to dedicate spectrum bands exclusively for LPWA networks as mass market adoption of unlicensed LPWA networks can result in significant interference.
Besides optimizing their cellular networks for M2M services, mobile operators are increasingly investing in their own carrier-grade LPWA networks to support low bandwidth IoT applications.

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Topics Covered:
The report covers the following topics:

LPWA networks ecosystem

Market drivers and barriers

LPWA technologies, spectrum bands and key trends

Assessment of competing cellular, satellite, wireline and short range networking technologies

Vertical market applications, opportunities and deployment case studies

Regulatory landscape and standardization

Industry roadmap and value chain

Profiles and strategies of over 80 leading ecosystem players

Strategic recommendations for ecosystem players

Market analysis and forecasts from 2015 till 2030

Historical Revenue & Forecast Segmentation:
Connection and service revenue forecasts are provided for the following submarkets:

Vertical Markets

Agriculture

Asset Management & Logistics

Automotive & Transportation

Consumer Applications & Home Automation

Energy & Utilities

Healthcare

Intelligent Buildings & Infrastructure

Public Safety, Security & Surveillance

Retail & Vending

Others

Regional Markets

Asia Pacific

Eastern Europe

Middle East & Africa

Latin & Central America

North America

Western Europe

Key Questions Answered:
The report provides answers to the following key questions:

How big is the LPWA networks opportunity?

What trends, challenges and barriers are influencing its growth?

How is the ecosystem evolving by segment and region?

What will the market size be in 2020 and at what rate will it grow?

Which regions and submarkets will see the highest percentage of growth?

How are smart city initiatives driving LPWA network investments?

What are the key performance characteristics of LPWA technologies such as Sigfox, LoRa and NB-IOT?

How does regulation impact the adoption of LPWA networks?

Do LPWA networks pose a threat to cellular network technologies?

Who are the key market players and what are their strategies?

What strategies should LPWA technology providers, mobile operators, MVNOs, aggregators, IoT

platform providers and other ecosystem players adopt to remain competitive?

Companies & Organizations Mentioned:
The following companies and organizations have been reviewed, discussed or mentioned in the report:
3GPP (3rd Generation Partnership Project),Accellus Communication Networks,Actility,Adeunis RF,Aerea,AMBER Wireless,Archos,Arkessa,Arqiva,AT&T,AT&T Mobility,Atim,Atmel Corporation,Augtek,AXSEM,Bouygues Telecom,BT Group,Cellnex Telecom (Abertis Telecom),CG-Wireless,Cisco Systems,Coronis Systems,Digi International,DT (Deutsche Telekom),Du (Emirates Integrated Telecommunications Company),EI Towers,Elster Group,Enevo,Eolane,Ericsson,Etisalat Group,Eutelsat,FLASHNET,GSMA,Helium Systems,Homerider Systems,Hope RF (Hope Microelectronics),Huawei,IBM,IEEE (Institute of Electrical and Electronics Engineers),IMST,Ingenu,INS Group,Intel Corporation,Kerlink,KPN,Libelium,Link Labs,LoRa Alliance,M2COMM (M²Communication),M2M Spectrum Networks,Microchip Technology,Multi-Tech Systems,Nemeus,Nettrotter,NNNCo (National Narrowband Network Communications),Nokia,NTT DoCoMo,Nwave Technologies,Orange,OrbiWise,PicoWAN,Plextek,Proximus Group,Qowiso,Qualcomm,Radiocrafts,Sagemcom,Samsara Networks,Samsung Electronics,Securitas,Semtech Corporation,Senet,Sigfox,Silicon Labs (Silicon Laboratories),SimpleCell Networks,Singtel,SK Telecom,Smarteo Water,Stream Technologies,Swisscom,Tata Communications,Tata Group,Tele2,Telecom Design,Telecom Italia,Telefónica,Telensa,Telit Communications,Telkom SA,Telstra Corporation,The Things Network,TI (Texas Instruments),TIM (Telecom Italia Mobile),U-blox,Vodafone Group,WAVIoT,Weightless SIG,Wireless IoT Forum

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