Description: Power Line Communication (PLC) Systems are required for the effective transmission of data from one point to another. Based on the type of data present, there are different types of power line communication systems, which would allow for effective data transmission. For example, the need for the transmission of low speed data control and monitoring can be met with narrow band power line communication systems. This is essential considering that there is an increase with the number of remote applications increasing. With narrow band power line communication systems, there will be minimal loss of signal whilst still ensuring that the signal can be transmitted over long distances. The power required to power these systems however will be a lot higher than the standard systems which could serve to be a challenge for the market, however, this is something which will not have a large impact on the market as the advantages outweigh the challenges.

The key players operating in the market have been able to ensure that they have been able to tap into all possible applications in order to increase the applicability of the system. By the end of the forecast period, it is expected that the cost of the power line communication systems will drop considerably thereby making them feasible for short distance communication requirements as well. Further to this, with increased R&D in the development of the technologies, companies are looking at power sources, which will not be as high as what is being utilized today for the systems.

The European region is the largest contributor to the market and will continue to be so till the end of the forecast period. It is expected that APAC will overtake the European market, however, this will be much after the forecast period. This will take place once the selling prices of these systems will drop which is again expected to take place during the forecast period.

The Power Line Communication (PLC) Systems Market can be segmented on the basis of frequency as Narrowband and Broadband

In terms of application, the Power Line Communication (PLC) Systems Market has been segmented across the following

- Smart Grids, Networking and Long-haul

In terms of industries, the Power Line Communication (PLC) Systems Market has been segmented across the following

- Residential, Commercial, Automotive, Healthcare, Telecommunication and Industrial

In terms of component, the Power Line Communication (PLC) Systems Market has been segmented across the following

- Line Trap Units, Coupling Capacitors, Line Units, Transmitters and Receivers

In terms of voltages, the Power Line Communication (PLC) Systems Market has been segmented across the following

- Low, Medium and High

In terms of modulation, the Power Line Communication (PLC) Systems Market has been segmented across the following

- Single, Multi and Spread Spectrum
The market has been segmented based on the following geographies:

North America, South America, APAC, Europe, Middle East and Africa

Following are just a few of the companies that are operating in the Power Line Communication (PLC) Systems Market:


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