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Power Line Communication Market by Offering (Hardware, Software, and Services), Frequency (Narrowband, and Broadband), Application (Energy Management and Smart Grid, and Indoor Networking), Vertical, and Geography - Global Forecast to 2023

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Abstracts

“High demand from industrial vertical fueling growth of power line communication market”

The power line communication market is expected to grow at a CAGR of 9.53% between 2017 and 2023, to reach USD 9.45 billion by 2023 from USD 5.47 billion in 2017. The high demand for power line communication technology-based products from the industrial vertical, especially for the substation communication application, is one of the major factors fueling the growth of the said market. On the other hand, one of the major factors restraining the growth of this market is the high noise generation on power lines limiting the data transmission quality of power line communication devices.

“Indoor networking application expected to witness significant growth during forecast period”

The power line communication market for the indoor networking application is expected to witness a significant growth during the forecast period. The said market is mainly being driven by the high adoption of power line adapters for the network expansion application, especially in the residential vertical.

“Energy management and smart grid application expected to grow at highest CAGR during forecast period”

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The power line communication market for the energy management and smart grid application is expected to witness a significant growth during the forecast period. The increasing penetration of power line technology in the vehicle communication and electric vehicle charging application is one of the leading factors driving the growth of the power line communication market for the energy management and smart grid application. The SAE combo charging system (CCS) standard compatible electric vehicle charging station is gaining popularity, especially in the Americas and Europe. Power line communication technology is used in the CCS standard compatible electric vehicle charging station for communication. This factor is expected to fuel the growth of the power line communication market for the electric vehicle charging application.

“APAC to witness significant growth during forecast period”

The power line communication market in APAC is expected to grow at the highest CAGR during the forecast period. China, Japan, and South Korea are some of the major countries driving the growth of the said market in this region. The high demand for power line communication technology-based products from the industrial and residential verticals in these countries is one of the major factors fueling the growth of the said market.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key officials in the power line communication market. Following is the breakup of the profiles of primary participants for the report:

By Company Type: Tier 1 – 35 %, Tier 2 – 45%, and Tier 3 – 20%

By Designation: C-Level Executives – 35%, Directors – 25%, and Others – 40%

By Region: North America – 45%, Europe – 20%, APAC – 30%, and RoW – 5%

Moreover, the report profiles the key players in the power line communication market and analyzes their market ranking. The players profiled in this report are Siemens (Germany), NETGEAR (US), ABB (Switzerland), AMETEK (US), Schneider Electric (France), General Electric (US), TP-Link Technologies (China), D-Link (Taiwan), Landis+Gyr (Switzerland), Nyx Hemera Technologies (Canada), Belkin International (US), Billion Electric (Taiwan), devolo (Germany), Hubbell Power Systems (US), Corinex Communications (Canada), TRENDnet (US), Zyxel Communications (Taiwan),

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Extollo Communications (US), ASUSTeK Computer (Taiwan), ZIV (Spain), Comtrend (Taiwan), Iskra (Slovenia), Lumenpulse (Canada), and NetComm Wireless (Australia).

Research Coverage:

This research report categorizes the power line communication market on the basis of offering, frequency, application, vertical, and geography. The report also describes the major drivers, restraints, challenges, and opportunities pertaining to this market, as well as the value chain analysis and market ranking analysis.

Reasons to Buy the Report:

The report would help the leaders/new entrants in the power line communication market in the following ways:

1. The report segments the power line communication market comprehensively and provides the closest market size estimation for all subsegments across different regions.
2. The report helps stakeholders understand the pulse of the market and provides them with information on key drivers, restraints, challenges, and opportunities for the power line communication market.
3. The report would help stakeholders understand their competitors better and gain insights to improve their position in the power line communication market. The competitive landscape section describes the competitor ecosystem.

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