

Global Power Line Communication (PLC) Market (2016 - 2022)

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Abstracts

PLC system is a process of transmitting both data and electrical power, over the same power cable. The system employs existing electrical cabling as network cables, allowing them to carry data signals. The PLC system is an effective method of extending an existing network without adding new cables to new areas. A PLC system has numerous benefits over a wireless connection; nevertheless, the quality of the connection solely depends on the quality of the local electrical system. A wide range of PLC technologies have been used in various applications such as smart home automation to Internet access, which is often called as power over Ethernet (PoE).

Broadband connectivity has given rise to the demand for sending digital voice, video, and Internet data. The ever increasing demand for higher efficiency, faster data transfer rate, and minimal power loss are major factors driving the PLC market growth. Additionally, growing need for power management technologies would also present excellent opportunities globally. Broadband PLC is the leading segment within the global PLC market, and stay as a leading market segment during the forecast period. Narrowband PLC segment on the other hand would register significant growth during the forecast period, as this transistor is compact and cost-effective.

Based on the component type, the Power Line Communication (PLC) Systems market is segmented into Transmitters & Receivers, Coupling Capacitor, Line Trap Unit, Line Tuners and Others. Based on the Type, the market is segmented into Narrowband PLC and Broadband PLC. Based on Solution Type, the market is segmented into PLC over AC Lines and PLC over DC Lines. The Applications covered under the report includes Commercial, Residential, Power Distribution, Oil & Gas, Telecommunication, Automotive and Others.



Based on region, Power Line Communication (PLC) market is segmented into North America (US, Canada, Mexico and Rest of North America), Europe (Germany, UK, France, Russia, Spain, Italy and Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, Singapore, Malaysia and Rest of Asia-Pacific) and Latin America, and Middle East & Africa. Europe remained the dominant region in the global Power Line Communication (PLC) market in 2015. Asia-Pacific would witness promising CAGR during the forecast period (2016-2022).

The report covers the analysis of key stake holders of the Power Line Communication (PLC) market. Key companies profiled in the report include Cypress Semiconductor Corporation, NXP Semiconductors N.V., Texas Instruments Incorporated, STMicroelectronics N.V., Broadcom Limited, Maxim Integrated., Qualcomm Atheros Inc., Microchip Technology Inc. and Echelon Corporation.



Contents

CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
- 1.4.1 Global Power Line Communication (PLC) Systems Market, by Component Type
- 1.4.2 Global Power Line Communication (PLC) Systems Market, by Type
- 1.4.3 Global Power Line Communication (PLC) Systems Market, by Solution
- 1.4.4 Global Power Line Communication (PLC) Systems Market, by Application
- 1.4.5 Global Power Line Communication (PLC) Systems Market, by Geography
- 1.5 Methodology for the research

CHAPTER 2. EXECUTIVE SUMMARY

CHAPTER 3. MARKET OVERVIEW

- 3.1 Introduction
- 3.2 Drivers, Restraints and Opportunities
 - 3.2.1 Market Drivers
 - 3.2.2 Market Restraints

CHAPTER 4. GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT

4.1 Global Power Line Communication (PLC) Systems Market by Component

4.1.1 Global Transmitters & Receivers Power Line Communication (PLC) Systems Market by Region

4.1.2 Global Coupling Capacitor Power Line Communication (PLC) Systems Market by Region

- 4.1.3 Global Line Trap Unit Power Line Communication (PLC) Systems by Region
- 4.1.4 Global Line Tuners Power Line Communication (PLC) Systems Market by Region

4.1.5 Global Others Power Line Communication (PLC) Systems Market by Region

CHAPTER 5. GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE



5.1 Introduction

5.1.1 Global Narrowband Power Line Communication (PLC) Systems Market by Region

5.1.2 Global Broadband Power Line Communication (PLC) Systems Market by Region

CHAPTER 6. GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION

6.1 Introduction

6.1.1 Global PLC over AC Lines Power Line Communication (PLC) Systems Market by Region

6.1.2 Global PLC over DC Lines Power Line Communication (PLC) Systems Market by Region

CHAPTER 7. GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION

7.1 Introduction

7.1.1 Global Power Line Communication (PLC) Systems in Commercial Market by Region

7.1.2 Global Power Line Communication (PLC) Systems in Residential Market by Region

7.1.3 Global Power Line Communication (PLC) Systems in Power Distribution Market by Region

7.1.4 Global Power Line Communication (PLC) Systems in Oil & Gas Market by Region

7.1.5 Global Power Line Communication (PLC) Systems in Telecommunication Market by Region

7.1.6 Global Power Line Communication (PLC) Systems in Automotive Market by Region

7.1.7 Global Power Line Communication (PLC) Systems in Other Application Market by Region

CHAPTER 8. GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION

8.1 Introduction

8.2 North America Power Line Communication (PLC) Systems Market



8.2.1 North America Power Line Communication (PLC) Systems Market by Component

8.2.1.1 North America Transmitters & Receivers Power Line Communication (PLC) Systems Market by Country

8.2.1.2 North America Coupling Capacitor Power Line Communication (PLC) Systems Market by Country

8.2.1.3 North America Line Trap Unit Power Line Communication (PLC) Systems by Country

8.2.1.4 North America Line Tuners Power Line Communication (PLC) Systems Market by Country

8.2.1.5 North America Others Power Line Communication (PLC) Systems Market by Country

8.2.2 North America Power Line Communication (PLC) Systems Market by Type

8.2.2.1 North America Narrowband Power Line Communication (PLC) Systems Market by Country

8.2.2.2 North America Broadband Power Line Communication (PLC) Systems Market by Country

8.2.3 North America Power Line Communication (PLC) Systems Market by Solution

8.2.3.1 North America PLC over AC Lines Power Line Communication (PLC) Systems Market by Country

8.2.3.2 North America PLC over DC Lines Power Line Communication (PLC) Systems Market by Country

8.2.4 North America Power Line Communication (PLC) Systems Market by Application

8.2.4.1 North America Power Line Communication (PLC) Systems in Commercial Market by Country

8.2.4.2 North America Power Line Communication (PLC) Systems in Residential Market by Country

8.2.4.3 North America Power Line Communication (PLC) Systems in Power Distribution Market by Country

8.2.4.4 North America Power Line Communication (PLC) Systems in Oil & Gas Market by Country

8.2.4.5 North America Power Line Communication (PLC) Systems in Telecommunication Market by Country

8.2.4.6 North America Power Line Communication (PLC) Systems in Automotive Market by Country

8.2.4.7 North America Power Line Communication (PLC) Systems in Other Application Market by Country

8.2.5 North America Power Line Communication (PLC) Systems Market by Country 8.2.5.1 US Power Line Communication (PLC) Systems Market



8.2.5.1.1 US Power Line Communication (PLC) Systems Market by Component 8.2.5.1.2 US Power Line Communication (PLC) Systems Market by Type 8.2.5.1.3 US Power Line Communication (PLC) Systems Market by Solution 8.2.5.1.4 US Power Line Communication (PLC) Systems Market by Application 8.2.5.2 Canada Power Line Communication (PLC) Systems Market 8.2.5.2.1 Canada Power Line Communication (PLC) Systems Market by Component 8.2.5.2.2 Canada Power Line Communication (PLC) Systems Market by Type 8.2.5.2.3 Canada Power Line Communication (PLC) Systems Market by Solution 8.2.5.2.4 Canada Power Line Communication (PLC) Systems Market by Application 8.2.5.2.5 Mexico Power Line Communication (PLC) Systems Market 8.2.5.2.6 Mexico Power Line Communication (PLC) Systems Market by Component 8.2.5.2.7 Mexico Power Line Communication (PLC) Systems Market by Type 8.2.5.2.8 Mexico Power Line Communication (PLC) Systems Market by Solution 8.2.5.2.9 Mexico Power Line Communication (PLC) Systems Market by Application 8.2.5.3 Rest of North America Power Line Communication (PLC) Systems Market 8.2.5.3.1 Rest of North America Power Line Communication (PLC) Systems Market by Component

8.2.5.3.2 Rest of North America Power Line Communication (PLC) Systems Market by Type

8.2.5.3.3 Rest of North America Power Line Communication (PLC) Systems Market by Solution

8.2.5.3.4 Rest of North America Power Line Communication (PLC) Systems Market by Application

8.3 Europe Power Line Communication (PLC) Systems Market

8.3.1 Europe Power Line Communication (PLC) Systems Market by Component

8.3.1.1 Europe Transmitters & Receivers Power Line Communication (PLC) Systems Market by Country

8.3.1.2 Europe Coupling Capacitor Power Line Communication (PLC) Systems Market by Country

8.3.1.3 Europe Line Trap Unit Power Line Communication (PLC) Systems by Country

8.3.1.4 Europe Line Tuners Power Line Communication (PLC) Systems Market by Country

8.3.1.5 Europe Others Power Line Communication (PLC) Systems Market by Country8.3.2 Europe Power Line Communication (PLC) Systems Market by Type

8.3.2.1 Europe Narrowband Power Line Communication (PLC) Systems Market by Country

8.3.2.2 Europe Broadband Power Line Communication (PLC) Systems Market by Country

8.3.3 Europe Power Line Communication (PLC) Systems Market by Solution



8.3.3.1 Europe PLC over AC Lines Power Line Communication (PLC) Systems Market by Country

8.3.3.2 Europe PLC over DC Lines Power Line Communication (PLC) Systems Market by Country

8.3.4 Europe Power Line Communication (PLC) Systems Market by Application

8.3.4.1 Europe Power Line Communication (PLC) Systems in Commercial Market by Country

8.3.4.2 Europe Power Line Communication (PLC) Systems in Residential Market by Country

8.3.4.3 Europe Power Line Communication (PLC) Systems in Power Distribution Market by Country

8.3.4.4 Europe Power Line Communication (PLC) Systems in Oil & Gas Market by Country

8.3.4.5 Europe Power Line Communication (PLC) Systems in Telecommunication Market by Country

8.3.4.6 Europe Power Line Communication (PLC) Systems in Automotive Market by Country

8.3.4.7 Europe Power Line Communication (PLC) Systems in Other Application Market by Country

8.3.5 Europe Power Line Communication (PLC) Systems Market by Country 8.3.5.1 Germany Power Line Communication (PLC) Systems Market

8.3.5.1.1 Germany Power Line Communication (PLC) Systems Market by Component

8.3.5.1.2 Germany Power Line Communication (PLC) Systems Market by Type

8.3.5.1.3 Germany Power Line Communication (PLC) Systems Market by Solution

8.3.5.1.4 Germany Power Line Communication (PLC) Systems Market by Application

8.3.5.2 UK Power Line Communication (PLC) Systems Market

8.3.5.2.1 UK Power Line Communication (PLC) Systems Market by Component

8.3.5.2.2 UK Power Line Communication (PLC) Systems Market by Type

8.3.5.2.3 UK Power Line Communication (PLC) Systems Market by Solution

8.3.5.2.4 UK Power Line Communication (PLC) Systems Market by Application

8.3.5.3 France Power Line Communication (PLC) Systems Market

8.3.5.3.1 France Power Line Communication (PLC) Systems Market by Component

8.3.5.3.2 France Power Line Communication (PLC) Systems Market by Type

8.3.5.3.3 France Power Line Communication (PLC) Systems Market by Solution

8.3.5.3.4 France Power Line Communication (PLC) Systems Market by Application 8.3.5.4 Russia Power Line Communication (PLC) Systems Market

8.3.5.4.1 Russia Power Line Communication (PLC) Systems Market by Component



8.3.5.4.2 Russia Power Line Communication (PLC) Systems Market by Type 8.3.5.4.3 Russia Power Line Communication (PLC) Systems Market by Solution 8.3.5.4.4 Russia Power Line Communication (PLC) Systems Market by Application 8.3.5.5 Spain Power Line Communication (PLC) Systems Market 8.3.5.5.1 Spain Power Line Communication (PLC) Systems Market by Component 8.3.5.5.2 Spain Power Line Communication (PLC) Systems Market by Type 8.3.5.5.3 Spain Power Line Communication (PLC) Systems Market by Solution 8.3.5.5.4 Spain Power Line Communication (PLC) Systems Market by Application 8.3.5.6 Italy Power Line Communication (PLC) Systems Market 8.3.5.6.1 Italy Power Line Communication (PLC) Systems Market by Component 8.3.5.6.2 Italy Power Line Communication (PLC) Systems Market by Type 8.3.5.6.3 Italy Power Line Communication (PLC) Systems Market by Solution 8.3.5.6.4 Italy Power Line Communication (PLC) Systems Market by Application 8.3.5.7 Rest of Europe Power Line Communication (PLC) Systems Market 8.3.5.7.1 Rest of Europe Power Line Communication (PLC) Systems Market by Component

8.3.5.7.2 Rest of Europe Power Line Communication (PLC) Systems Market by Type

8.3.5.7.3 Rest of Europe Power Line Communication (PLC) Systems Market by Solution

8.3.5.7.4 Rest of Europe Power Line Communication (PLC) Systems Market by Application

8.4 Asia-Pacific Power Line Communication (PLC) Systems Market

8.4.1 Asia-Pacific Power Line Communication (PLC) Systems Market by Component

8.4.1.1 Asia-Pacific Transmitters & Receivers Power Line Communication (PLC) Systems Market by Country

8.4.1.2 Asia-Pacific Coupling Capacitor Power Line Communication (PLC) Systems Market by Country

8.4.1.3 Asia-Pacific Line Trap Unit Power Line Communication (PLC) Systems by Country

8.4.1.4 Asia-Pacific Line Tuners Power Line Communication (PLC) Systems Market by Country

8.4.1.5 Asia-Pacific Others Power Line Communication (PLC) Systems Market by Country

8.4.2 Asia-Pacific Power Line Communication (PLC) Systems Market by Type

8.4.2.1 Asia-Pacific Narrowband Power Line Communication (PLC) Systems Market by Country

8.4.2.2 Asia-Pacific Broadband Power Line Communication (PLC) Systems Market by Country



8.4.3 Asia-Pacific Power Line Communication (PLC) Systems Market by Solution

8.4.3.1 Asia-Pacific PLC over AC Lines Power Line Communication (PLC) Systems Market by Country

8.4.3.2 Asia-Pacific PLC over DC Lines Power Line Communication (PLC) Systems Market by Country

8.4.4 Asia-Pacific Power Line Communication (PLC) Systems Market by Application

8.4.4.1 Asia-Pacific Power Line Communication (PLC) Systems in Commercial Market by Country

8.4.4.2 Asia-Pacific Power Line Communication (PLC) Systems in Residential Market by Country

8.4.4.3 Asia-Pacific Power Line Communication (PLC) Systems in Power Distribution Market by Country

8.4.4.4 Asia-Pacific Power Line Communication (PLC) Systems in Oil & Gas Market by Country

8.4.4.5 Asia-Pacific Power Line Communication (PLC) Systems in Telecommunication Market by Country

8.4.4.6 Asia-Pacific Power Line Communication (PLC) Systems in Automotive Market by Country

8.4.4.7 Asia-Pacific Power Line Communication (PLC) Systems in Other Application Market by Country

8.4.5 Asia-Pacific Power Line Communication (PLC) Systems Market by Country 8.4.5.1 China Power Line Communication (PLC) Systems Market

8.4.5.1.1 China Power Line Communication (PLC) Systems Market by Component

8.4.5.1.2 China Power Line Communication (PLC) Systems Market by Type

8.4.5.1.3 China Power Line Communication (PLC) Systems Market by Solution

8.4.5.1.4 China Power Line Communication (PLC) Systems Market by Application

8.4.5.2 Japan Power Line Communication (PLC) Systems Market

8.4.5.2.1 Japan Power Line Communication (PLC) Systems Market by Component

8.4.5.2.2 Japan Power Line Communication (PLC) Systems Market by Type

8.4.5.2.3 Japan Power Line Communication (PLC) Systems Market by Solution

8.4.5.2.4 Japan Power Line Communication (PLC) Systems Market by Application 8.4.5.3 India Power Line Communication (PLC) Systems Market

8.4.5.3.1 India Power Line Communication (PLC) Systems Market by Component

8.4.5.3.2 India Power Line Communication (PLC) Systems Market by Type

8.4.5.3.3 India Power Line Communication (PLC) Systems Market by Solution

8.4.5.3.4 India Power Line Communication (PLC) Systems Market by Application

8.4.5.4 South Korea Power Line Communication (PLC) Systems Market

8.4.5.4.1 South Korea Power Line Communication (PLC) Systems Market by Component



8.4.5.4.2 South Korea Power Line Communication (PLC) Systems Market by Type 8.4.5.4.3 South Korea Power Line Communication (PLC) Systems Market by Solution

8.4.5.4.4 South Korea Power Line Communication (PLC) Systems Market by Application

8.4.5.5 Singapore Power Line Communication (PLC) Systems Market

8.4.5.5.1 Singapore Power Line Communication (PLC) Systems Market by Component

8.4.5.5.2 Singapore Power Line Communication (PLC) Systems Market by Type

8.4.5.5.3 Singapore Power Line Communication (PLC) Systems Market by Solution

8.4.5.5.4 Singapore Power Line Communication (PLC) Systems Market by Application

8.4.5.6 Malaysia Power Line Communication (PLC) Systems Market

8.4.5.6.1 Malaysia Power Line Communication (PLC) Systems Market by Component

8.4.5.6.2 Malaysia Power Line Communication (PLC) Systems Market by Type

8.4.5.6.3 Malaysia Power Line Communication (PLC) Systems Market by Solution

8.4.5.6.4 Malaysia Power Line Communication (PLC) Systems Market by Application

8.4.5.7 Rest of Asia-Pacific Power Line Communication (PLC) Systems Market

8.4.5.7.1 Rest of Asia-Pacific Power Line Communication (PLC) Systems Market by Component

8.4.5.7.2 Rest of Asia-Pacific Power Line Communication (PLC) Systems Market by Type

8.4.5.7.3 Rest of Asia-Pacific Power Line Communication (PLC) Systems Market by Solution

8.4.5.7.4 Rest of Asia-Pacific Power Line Communication (PLC) Systems Market by Application

8.5 LAMEA Power Line Communication (PLC) Systems Market

8.5.1 LAMEA Power Line Communication (PLC) Systems Market by Component

8.5.1.1 LAMEA Transmitters & Receivers Power Line Communication (PLC) Systems Market by Country

8.5.1.2 LAMEA Coupling Capacitor Power Line Communication (PLC) Systems Market by Country

8.5.1.3 LAMEA Line Trap Unit Power Line Communication (PLC) Systems by Country

8.5.1.4 LAMEA Line Tuners Power Line Communication (PLC) Systems Market by Country

8.5.1.5 LAMEA Others Power Line Communication (PLC) Systems Market by



Country

8.5.2 LAMEA Power Line Communication (PLC) Systems Market by Type

8.5.2.1 LAMEA Narrowband Power Line Communication (PLC) Systems Market by Country

8.5.2.2 LAMEA Broadband Power Line Communication (PLC) Systems Market by Country

8.5.3 LAMEA Power Line Communication (PLC) Systems Market by Solution

8.5.3.1 LAMEA PLC over AC Lines Power Line Communication (PLC) Systems Market by Country

8.5.3.2 LAMEA PLC over DC Lines Power Line Communication (PLC) Systems Market by Country

8.5.4 LAMEA Power Line Communication (PLC) Systems Market by Application

8.5.4.1 LAMEA Power Line Communication (PLC) Systems in Commercial Market by Country

8.5.4.2 LAMEA Power Line Communication (PLC) Systems in Residential Market by Country

8.5.4.3 LAMEA Power Line Communication (PLC) Systems in Power Distribution Market by Country

8.5.4.4 LAMEA Power Line Communication (PLC) Systems in Oil & Gas Market by Country

8.5.4.5 LAMEA Power Line Communication (PLC) Systems in Telecommunication Market by Country

8.5.4.6 LAMEA Power Line Communication (PLC) Systems in Automotive Market by Country

8.5.4.7 LAMEA Power Line Communication (PLC) Systems in Other Application Market by Country

8.5.5 LAMEA Power Line Communication (PLC) Systems Market by Country 8.5.5.1 Brazil Power Line Communication (PLC) Systems Market

8.5.5.1.1 Brazil Power Line Communication (PLC) Systems Market by Component

8.5.5.1.2 Brazil Power Line Communication (PLC) Systems Market by Type

8.5.5.1.3 Brazil Power Line Communication (PLC) Systems Market by Solution

8.5.5.1.4 Brazil Power Line Communication (PLC) Systems Market by Application

8.5.5.2 Argentina Power Line Communication (PLC) Systems Market

8.5.5.2.1 Argentina Power Line Communication (PLC) Systems Market by Component

8.5.5.2.2 Argentina Power Line Communication (PLC) Systems Market by Type8.5.5.2.3 Argentina Power Line Communication (PLC) Systems Market by Solution8.5.5.2.4 Argentina Power Line Communication (PLC) Systems Market byApplication



8.5.5.3 UAE Power Line Communication (PLC) Systems Market
8.5.5.3.1 UAE Power Line Communication (PLC) Systems Market by Component
8.5.5.3.2 UAE Power Line Communication (PLC) Systems Market by Type
8.5.5.3.3 UAE Power Line Communication (PLC) Systems Market by Solution
8.5.5.3.4 UAE Power Line Communication (PLC) Systems Market by Application
8.5.5.4 Saudi Arabia Power Line Communication (PLC) Systems Market
8.5.5.4.1 Saudi Arabia Power Line Communication (PLC) Systems Market by

8.5.5.4.2 Saudi Arabia Power Line Communication (PLC) Systems Market by Type

8.5.5.4.3 Saudi Arabia Power Line Communication (PLC) Systems Market by Solution

8.5.5.4.4 Saudi Arabia Power Line Communication (PLC) Systems Market by Application

8.5.5.5 South Africa Power Line Communication (PLC) Systems Market

8.5.5.1 South Africa Power Line Communication (PLC) Systems Market by Component

8.5.5.5.2 South Africa Power Line Communication (PLC) Systems Market by Type

8.5.5.3 South Africa Power Line Communication (PLC) Systems Market by Solution

8.5.5.4 South Africa Power Line Communication (PLC) Systems Market by Application

8.5.5.6 Nigeria Power Line Communication (PLC) Systems Market

8.5.5.6.1 Nigeria Power Line Communication (PLC) Systems Market by Component

8.5.5.6.2 Nigeria Power Line Communication (PLC) Systems Market by Type

8.5.5.6.3 Nigeria Power Line Communication (PLC) Systems Market by Solution

8.5.5.6.4 Nigeria Power Line Communication (PLC) Systems Market by Application

8.5.5.7 Rest of LAMEA Power Line Communication (PLC) Systems Market

8.5.5.7.1 Rest of LAMEA Power Line Communication (PLC) Systems Market by Component

8.5.5.7.2 Rest of LAMEA Power Line Communication (PLC) Systems Market by Type

8.5.5.7.3 Rest of LAMEA Power Line Communication (PLC) Systems Market by Solution

8.5.5.7.4 Rest of LAMEA Power Line Communication (PLC) Systems Market by Application

CHAPTER 9. COMPANY PROFILES

9.1 Cypress Semiconductor Corporation.



- 9.1.1 Company Overview
- 9.1.2 Financial Analysis
- 9.1.3 Segmental and Regional Analysis
- 9.1.4 Research & Development Expense
- 9.2 NXP Semiconductors N.V.
 - 9.2.1 Company Overview
 - 9.2.2 Financial Analysis
 - 9.2.3 Segmental Analysis
- 9.3 Texas Instruments Incorporated
- 9.3.1 Company Overview
- 9.3.2 Financial Analysis
- 9.3.3 Regional & Segmental Analysis
- 9.3.4 Research & Development
- 9.4 STMicroelectronics N.V.
 - 9.4.1 Company Overview
- 9.4.2 Financial Analysis
- 9.4.3 Regional & Segmental Analysis
- 9.4.4 Research & Development
- 9.5 Broadcom Limited
 - 9.5.1 Company Overview
 - 9.5.2 Financial Analysis
 - 9.5.3 Segmental Analysis
- 9.5.4 Research & Development
- 9.6 Maxim Integrated.
 - 9.6.1 Company Overview
 - 9.6.2 Financial Analysis
 - 9.6.3 Segmental and Regional Analysis
 - 9.6.4 Research & Development Expense
- 9.7 Qualcomm Atheros Inc.
 - 9.7.1 Company Overview
 - 9.7.2 Financial Analysis
 - 9.7.3 Segmental and Regional Analysis
 - 9.7.4 Research & Development Expense
- 9.8 Microchip Technology Inc.
 - 9.8.1 Company Overview
 - 9.8.2 Financial Analysis
 - 9.8.3 Segmental and Regional Analysis
- 9.8.4 Research & Development Expense
- 9.9 Echelon Corporation



9.9.1 Company Overview9.9.2 Financial Analysis



List Of Tables

LIST OF TABLES

TABLE 1 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 2 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 3 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 4 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 5 GLOBAL TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 6 GLOBAL TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 7 GLOBAL COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 8 GLOBAL COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 9 GLOBAL LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY REGION, 2012 - 2015, USD MILLION TABLE 10 GLOBAL LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY REGION, 2016 - 2022, USD MILLION TABLE 11 GLOBAL LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 12 GLOBAL LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 13 GLOBAL OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 14 GLOBAL OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 15 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 16 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 17 GLOBAL NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 18 GLOBAL NARROWBAND POWER LINE COMMUNICATION (PLC)



SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 19 GLOBAL BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 20 GLOBAL BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 21 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 22 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 23 GLOBAL PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 24 GLOBAL PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 25 GLOBAL PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 26 GLOBAL PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 27 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 28 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 29 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 30 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 31 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN **RESIDENTIAL MARKET BY REGION, 2012 - 2015, USD MILLION** TABLE 32 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 33 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 34 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 35 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 36 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 37 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY REGION, 2012 - 2015, USD MILLION



TABLE 38 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 39 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 40 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 41 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 42 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 43 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2012 - 2015, USD MILLION TABLE 44 GLOBAL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY REGION, 2016 - 2022, USD MILLION TABLE 45 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 46 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 47 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 48 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 49 NORTH AMERICA TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 50 NORTH AMERICA TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 51 NORTH AMERICA COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 52 NORTH AMERICA COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 53 NORTH AMERICA LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY COUNTRY, 2012 - 2015, USD MILLION TABLE 54 NORTH AMERICA LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY COUNTRY, 2016 - 2022, USD MILLION



SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 56 NORTH AMERICA LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 57 NORTH AMERICA OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 58 NORTH AMERICA OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 59 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 60 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 61 NORTH AMERICA NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 62 NORTH AMERICA NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 63 NORTH AMERICA BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 64 NORTH AMERICA BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 65 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 66 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 67 NORTH AMERICA PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 68 NORTH AMERICA PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 69 NORTH AMERICA PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 70 NORTH AMERICA PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 71 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 72 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 73 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 74 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION



TABLE 75 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 76 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 77 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 78 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 79 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 80 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 81 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 82 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 83 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 84 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 85 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 86 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 87 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 88 NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 89 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 -2015, USD MILLION TABLE 90 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 -2022, USD MILLION TABLE 91 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 92 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 93 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 94 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE,



2016 - 2022, USD MILLION TABLE 95 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 96 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 97 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 98 US POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 99 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 100 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 101 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 102 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 103 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 104 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 105 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 106 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 107 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 108 CANADA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 109 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 110 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 111 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 112 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 113 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY

TYPE, 2012 - 2015, USD MILLION



TABLE 114 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 115 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 116 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 117 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 118 MEXICO POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 119 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 120 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 121 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 122 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 123 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 124 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 125 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 126 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 127 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 128 REST OF NORTH AMERICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 129 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 130 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 131 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 132 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 133 EUROPE TRANSMITTERS & RECEIVERS POWER LINE



COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 134 EUROPE TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 135 EUROPE COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 136 EUROPE COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 137 EUROPE LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY COUNTRY, 2012 - 2015, USD MILLION TABLE 138 EUROPE LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY COUNTRY, 2016 - 2022, USD MILLION TABLE 139 EUROPE LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 140 EUROPE LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 141 EUROPE OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 142 EUROPE OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 143 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 144 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 145 EUROPE NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 146 EUROPE NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 147 EUROPE BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 148 EUROPE BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 149 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 150 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 151 EUROPE PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION



TABLE 152 EUROPE PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 153 EUROPE PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 154 EUROPE PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 155 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 156 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 157 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 158 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 159 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 160 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 161 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 162 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 163 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 164 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 165 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 166 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 167 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 168 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 169 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 170 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 171 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET



BY COUNTRY, 2012 - 2015, USD MILLION TABLE 172 EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 173 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 174 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 175 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 176 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 177 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 178 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 179 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 180 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 181 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 182 GERMANY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 183 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 -2015, USD MILLION TABLE 184 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 -2022, USD MILLION TABLE 185 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 186 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 187 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 188 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 189 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BYSOLUTION, 2012 - 2015, USD MILLION

TABLE 190 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION



TABLE 191 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 192 UK POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 193 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION

TABLE 194 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET,2016 - 2022, USD MILLION

TABLE 195 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION

TABLE 196 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION

TABLE 197 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 198 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 199 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION

TABLE 200 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION

TABLE 201 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 202 FRANCE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 203 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION

TABLE 204 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET,2016 - 2022, USD MILLION

TABLE 205 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION

TABLE 206 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION

TABLE 207 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 208 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 209 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION

TABLE 210 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY



SOLUTION, 2016 - 2022, USD MILLION TABLE 211 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 212 RUSSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 213 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 214 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 215 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 216 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 217 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 218 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 219 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 220 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 221 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 222 SPAIN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 223 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 224 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 225 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 226 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 227 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 228 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 229 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY

SOLUTION, 2012 - 2015, USD MILLION



TABLE 230 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION

TABLE 231 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 232 ITALY POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 233 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION

TABLE 234 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION

TABLE 235 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION

TABLE 236 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION

TABLE 237 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 238 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 239 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION

TABLE 240 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION

TABLE 241 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 242 REST OF EUROPE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 243 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION

TABLE 244 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION

TABLE 245 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION

TABLE 246 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION

TABLE 247 ASIA-PACIFIC TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 248 ASIA-PACIFIC TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD



MILLION TABLE 249 ASIA-PACIFIC COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 250 ASIA-PACIFIC COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 251 ASIA-PACIFIC LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY COUNTRY, 2012 - 2015, USD MILLION TABLE 252 ASIA-PACIFIC LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY COUNTRY, 2016 - 2022, USD MILLION TABLE 253 ASIA-PACIFIC LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 254 ASIA-PACIFIC LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 255 ASIA-PACIFIC OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 256 ASIA-PACIFIC OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 257 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 258 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 259 ASIA-PACIFIC NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 260 ASIA-PACIFIC NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 261 ASIA-PACIFIC BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 262 ASIA-PACIFIC BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 263 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 264 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 265 ASIA-PACIFIC PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 266 ASIA-PACIFIC PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION



TABLE 267 ASIA-PACIFIC PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 268 ASIA-PACIFIC PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 269 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 270 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 271 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 272 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 273 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 274 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 275 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 276 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 277 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 278 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 279 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 280 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 281 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 282 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 283 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 284 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 285 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 286 ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS



MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 287 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 288 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 289 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 290 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 291 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 292 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 293 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 294 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 295 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 296 CHINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 297 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 298 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 299 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 300 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 301 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 302 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 303 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 304 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 305 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION



TABLE 306 JAPAN POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 307 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION

TABLE 308 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION

TABLE 309 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION

TABLE 310 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION

TABLE 311 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 312 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 313 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION

TABLE 314 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION

TABLE 315 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 316 INDIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 317 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION

TABLE 318 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION

TABLE 319 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION

TABLE 320 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION

TABLE 321 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 322 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 323 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION

TABLE 324 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION

TABLE 325 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS



MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 326 SOUTH KOREA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 327 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 328 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 329 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 330 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 331 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 332 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 333 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 334 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 335 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 336 SINGAPORE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 337 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 338 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET. 2016 - 2022, USD MILLION TABLE 339 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 340 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 341 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 342 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 343 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 344 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION



TABLE 345 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 346 MALAYSIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 347 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 348 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 349 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 350 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 351 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 352 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 353 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 354 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 355 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 356 REST OF ASIA-PACIFIC POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 357 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 358 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 359 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 360 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 361 LAMEA TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 362 LAMEA TRANSMITTERS & RECEIVERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 363 LAMEA COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC)



SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 364 LAMEA COUPLING CAPACITOR POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 365 LAMEA LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY COUNTRY, 2012 - 2015, USD MILLION TABLE 366 LAMEA LINE TRAP UNIT POWER LINE COMMUNICATION (PLC) SYSTEMS BY COUNTRY, 2016 - 2022, USD MILLION TABLE 367 LAMEA LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 368 LAMEA LINE TUNERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 369 LAMEA OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 370 LAMEA OTHERS POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 371 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 372 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 373 LAMEA NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 374 LAMEA NARROWBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 375 LAMEA BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 376 LAMEA BROADBAND POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 377 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 378 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 379 LAMEA PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 380 LAMEA PLC OVER AC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 381 LAMEA PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 382 LAMEA PLC OVER DC LINES POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION



TABLE 383 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 384 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 385 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 386 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN COMMERCIAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 387 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 388 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN RESIDENTIAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 389 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 390 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN POWER DISTRIBUTION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 391 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 392 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN OIL & GAS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 393 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 394 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN TELECOMMUNICATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 395 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 396 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN AUTOMOTIVE MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 397 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 398 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS IN OTHER APPLICATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 399 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2012 - 2015, USD MILLION TABLE 400 LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COUNTRY, 2016 - 2022, USD MILLION TABLE 401 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 402 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET,



2016 - 2022, USD MILLION TABLE 403 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 404 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 405 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 406 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 407 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 408 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 409 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 410 BRAZIL POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 411 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 412 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 413 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 414 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 415 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 416 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 417 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 418 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 419 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 420 ARGENTINA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 421 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 -2015, USD MILLION



TABLE 422 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 -2022, USD MILLION TABLE 423 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 424 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 425 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 426 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 427 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 428 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 429 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 430 UAE POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 431 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 432 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 433 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 434 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 435 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 436 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 437 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 438 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 439 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 440 SAUDI ARABIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 441 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS



MARKET, 2012 - 2015, USD MILLION TABLE 442 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 443 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 444 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 445 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 446 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 447 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 448 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 449 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 450 SOUTH AFRICA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 451 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 452 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 453 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 454 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 455 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 456 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 457 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 458 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 459 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 460 NIGERIA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION



TABLE 461 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2012 - 2015, USD MILLION TABLE 462 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET, 2016 - 2022, USD MILLION TABLE 463 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2012 - 2015, USD MILLION TABLE 464 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY COMPONENT, 2016 - 2022, USD MILLION TABLE 465 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2012 - 2015, USD MILLION TABLE 466 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY TYPE, 2016 - 2022, USD MILLION TABLE 467 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2012 - 2015, USD MILLION TABLE 468 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY SOLUTION, 2016 - 2022, USD MILLION TABLE 469 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2012 - 2015, USD MILLION TABLE 470 REST OF LAMEA POWER LINE COMMUNICATION (PLC) SYSTEMS MARKET BY APPLICATION, 2016 - 2022, USD MILLION TABLE 471 KEY INFORMATION - CYPRESS SEMICONDUCTOR CORPORATION. TABLE 472 KEY INFORMATION - NXP SEMICONDUTOR N.V. TABLE 473 KEY INFORMATION - TEXAS INSTRUMENTS INCORPORATED TABLE 474 KEY INFORMATION - STMICROELECTRONICS N.V. TABLE 475 KEY INFORMATION - BROADCOM LIMITED TABLE 476 KEY INFORMATION - MAXIM INTEGRATED. TABLE 477 KEY INFORMATION – QUALCOMM ATHEROS INC. TABLE 478 KEY INFORMATION – ASHTEAD TECHNOLOGY, INC. TABLE 479 KEY INFORMATION – ECHELON CORPORATION.



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