

INSTALLER - TECHNICIAN AND RESIDENTIAL UPDATE

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TECHNICIAN AND RESIDENTIAL

INDUSTRY RESEARCH

- Projections over the next several years for technology industries and residential industries
- Research conducted by markets and markets
- The compound annual growth rate (CAGR) is the mean annual growth rate of an investment over a specified period of time longer than one year.
- These research statistics represent areas of focus for revision

STRUCTURED CABLING MARKET

- **STRUCTURED CABLING MARKET - 9.0% (2015 – 2020)**
- **POWER OVER ETHERNET SOLUTIONS MARKET - 12.56% (2015 – 2022)**

SECURITY MARKET

- **PERIMETER INTRUSION DETECTION SYSTEMS – 7.1% (2015 – 2022)**
- **PERIMETER SECURITY - 12.2% (2017 – 2022)**
- **PHYSICAL SECURITY - 10.1% (2016 – 2021)**

ACCESS CONTROL MARKET

- **ACCESS CONTROL MARKET - 6.48% (2017 – 2023)**

RESIDENTIAL MARKET

- **HOME AUTOMATION MARKET - 11.3% (2017 – 2022)**
- **SMART HOME MARKET - 13.61% (2017 – 2023)**

STRUCTURED CABLING MARKET - 9.0% (2015 – 2020)

POWER OVER ETHERNET SOLUTIONS MARKET - 12.56% (2015 – 2022)

PERIMETER INTRUSION DETECTION SYSTEMS – 7.1% (2015 – 2022)

PERIMETER SECURITY - 12.2% (2017 – 2022)

PHYSICAL SECURITY - 10.1% (2016 – 2021)

VIDEO SURVEILLANCE - 15.4% (2017 – 2022)

VIDEO SURVEILLANCE STORAGE - 22.41% (2017 – 2020)

ACCESS CONTROL MARKET - 6.48% (2017 – 2023)

HOME AUTOMATION MARKET - 11.3% (2017 – 2022)

SMART HOME MARKET - 13.61% (2017 – 2023)

INSTALLER TECHNICIAN STANDARDS

- **MOVING TO AN 8000 HOUR PROGRAM**

THANK YOU!

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STRUCTURED CABLING MARKET

- **THE STRUCTURED CABLING MARKET WAS VALUED AT USD 7.72 BILLION IN 2014 AND IS EXPECTED TO REACH USD 13.13 BILLION BY 2020, AT A CAGR OF 9.0% BETWEEN 2015 AND 2020.**

POWER OVER ETHERNET SOLUTIONS MARKET

- THE POWER OVER ETHERNET SOLUTIONS MARKET WAS VALUED AT USD 451.1 MILLION IN 2015 AND IS EXPECTED TO REACH USD 1.5 BILLION BY 2022, AT A CAGR OF 12.56% DURING THE FORECAST PERIOD.
- THE GROWTH OF THIS MARKET IS BEING PROPELLED BY THE GROWING DEMAND FOR POE-BASED PRODUCTS, ESPECIALLY IN THE COMMERCIAL VERTICAL; CONTINUOUS RISE IN THE ADOPTION OF POE-COMPATIBLE VOIP PHONES AND WIRELESS ACCESS POINTS; AND INCREASING USE OF POE POWER SOURCING EQUIPMENT FOR POWERING SUCH DEVICES.

PERIMETER INTRUSION DETECTION SYSTEMS

- THE PERIMETER INTRUSION DETECTION SYSTEMS MARKET IS EXPECTED TO GROW FROM USD 4.12 BILLION IN 2016 TO USD 5.82 BILLION BY 2021, AT A COMPOUND ANNUAL GROWTH RATE (CAGR) OF 7.1% DURING THE FORECAST PERIOD.
- THE INCREASING RISKS OF TERRORISM AND INFILTRATION, INCREASING GOVERNMENT REGULATIONS ON PERIMETER SECURITY, AND SIGNIFICANT REDUCTION IN MANPOWER COST OFFERED BY THESE SYSTEMS IS DRIVING THE PERIMETER INTRUSION DETECTION SYSTEMS MARKET ACROSS ALL REGIONS.

PERIMETER SECURITY

- **PERIMETER SECURITY MARKET BY COMPONENT (SYSTEMS (PERIMETER INTRUSION DETECTION, VIDEO SURVEILLANCE, ACCESS CONTROL, AND ALARMS AND NOTIFICATION SYSTEMS) AND SERVICES (PROFESSIONAL AND MANAGED SERVICES)), VERTICAL, REGION - GLOBAL FORECAST TO 2022**
- **ACCORDING TO MARKETSANDMARKETS' FORECAST, THE OVERALL PERIMETER SECURITY MARKET IS ESTIMATED TO BE 110.64 BILLION IN 2017 AND EXPECTED TO REACH USD 196.60 BILLION BY 2022, AT A COMPOUND ANNUAL GROWTH RATE (CAGR) OF 12.2% FROM 2017 TO 2022.**

PHYSICAL SECURITY

- **PHYSICAL SECURITY MARKET BY TYPE (SYSTEM (ACCESS CONTROL, VIDEO SURVEILLANCE, PSIM, PERIMETER INTRUSION DETECTION & PREVENTION, SECURITY SCANNING, IMAGING & METAL DETECTION, FIRE & LIFE SAFETY), & SERVICE), VERTICAL, AND REGION - GLOBAL FORECAST TO 2021**
- **THE PHYSICAL SECURITY MARKET IS ESTIMATED TO GROW FROM USD 69.63 BILLION IN 2016 TO USD 112.43 BILLION BY 2021, AT THE CAGR OF 10.1% DURING THE FORECAST PERIOD.**

VIDEO SURVEILLANCE

- **VIDEO SURVEILLANCE MARKET BY SYSTEM (ANALOG, IP, BIOMETRICS), HARDWARE (CAMERA, MONITORS, SERVERS, STORAGE DEVICES), SOFTWARE (VIDEO ANALYTICS, VMS), AND SERVICE (VSAAS, INSTALLATION & MAINTENANCE), VERTICAL, AND REGION - GLOBAL FORECAST TO 2022**
- **THE VIDEO SURVEILLANCE MARKET IS PROJECTED TO REACH USD 75.64 BILLION BY 2022, AT A CAGR OF 15.4% BETWEEN 2017 AND 2022. THE GROWTH OF THIS MARKET CAN BE ATTRIBUTED TO THE INCREASING DEMAND FOR IP CAMERAS, OWING TO THEIR BETTER FUNCTIONALITY AND REDUCED COST, USE OF CLOUD SERVICES TO STORE LARGE AMOUNTS OF DATA, AND INCREASING INSTALLATION OF SURVEILLANCE SYSTEMS FOR SECURITY REASONS.**

VIDEO SURVEILLANCE STORAGE

- **VIDEO SURVEILLANCE STORAGE MARKET BY STORAGE TECHNOLOGY (SAN, DAS, NAS), STORAGE MEDIA (HDDS, SDDS), DEPLOYMENT MODEL (ON-PREMISE & ON CLOUD), SERVICE, VERTICAL, AND REGION - GLOBAL FORECAST TO 2020**
- **THE EMERGING NEED FOR SAFETY AND SECURITY IS INCREASING THE DEMAND FOR VIDEO SURVEILLANCE SYSTEMS. SIMILARLY, THERE IS A NEED FOR UPGRADATION FOR STORAGE CAPACITY IN THE VIDEO SURVEILLANCE DATA STORAGE. VIDEO SURVEILLANCE STORAGE REFERS TO THE PROCESS OF STORING DATA GENERATED BY THE SURVEILLANCE CAMERAS. THIS REAL-TIME DATA GETS STORED FOR A PERIOD OF TIME ON THE STORAGE DEVICES THAT CAN BE RETRIEVED FOR ANALYSIS OF ANY EVENT OR ACTS AS AN EVIDENCE FOR A SITUATION. HENCE, VIDEO SURVEILLANCE STORAGE PLAYS AN IMPORTANT ROLE IN THE OVERALL SECURITY SYSTEM BY HELPING INDIVIDUALS STORE CRUCIAL INFORMATION AND VIDEO FEEDS.**
- **THE VIDEO SURVEILLANCE STORAGE MARKET IS PROJECTED TO BE OF USD 18.28 BILLION BY 2020, AT A CAGR OF 22.41% DURING THE FORECAST PERIOD.**

ACCESS CONTROL MARKET

- **ACCESS CONTROL MARKET BY COMPONENT (HARDWARE (CARD-BASED READERS, BIOMETRIC READERS, ELECTRONIC LOCKS, CONTROLLERS, AND OTHERS) AND SOFTWARE), SERVICE (INSTALLATION, MAINTENANCE, AND ACAAS), VERTICAL, AND GEOGRAPHY - GLOBAL FORECAST TO 2023**
- **THE ACCESS CONTROL MARKET IS EXPECTED TO BE WORTH USD 10.03 BILLION BY 2023, GROWING AT A CAGR OF 6.48% BETWEEN 2017 AND 2023. FACTORS SUCH AS THE HIGH ADOPTION OF ACCESS CONTROL SOLUTIONS DUE TO GROWING SECURITY CONCERNS, TECHNOLOGICAL ADVANCEMENTS, THE DEPLOYMENT OF WIRELESS TECHNOLOGY IN SECURITY SYSTEMS, AND THE ADOPTION OF INTERNET OF THINGS (IOT)-BASED SECURITY SYSTEMS DRIVE THIS MARKET.**

HOME AUTOMATION MARKET

- **HOME AUTOMATION SYSTEM MARKET BY PROTOCOL AND TECHNOLOGY (NETWORK AND WIRELESS), PRODUCT (LIGHTING, SECURITY AND ACCESS CONTROL, HVAC AND ENTERTAINMENT CONTROL), SOFTWARE AND ALGORITHM (BEHAVIORAL AND PROACTIVE), AND GEOGRAPHY - GLOBAL FORECAST TO 2022**
- **THE HOME AUTOMATION SYSTEM MARKET IS EXPECTED TO REACH USD 79.57 BILLION BY 2022, AT A CAGR OF 11.3% DURING THE FORECAST PERIOD BETWEEN 2017 AND 2022.**

SMART HOME MARKET

- **Smart home market by product (lighting control, security & access control, HVAC, entertainment & other control, home healthcare, smart kitchen, and home appliances), software & service (behavioral, proactive), and geography - global forecast to 2023**
- **The market for smart homes was valued at USD 54.97 billion in 2016 and is expected to grow at a CAGR of 13.61% between 2017 and 2023.**