
Market Synopsis of Global Intelligent Railway Transport System Market:

The intelligent railway transport system facilitates the use of information technology for managing the services provided by the railways. The railway relies on the radio network and the GPS system for effective implementation of intelligent transport system. The intelligent railway transport system market is majorly driven by its ability of providing high security for the passengers and the high service quality to the customers. The market will also grow with the increase in adoptions of internet of things technology in the railway system. The increasing trend of internet services is contributing in the growth of intelligent railway transport system market. The increasing use of rail transport among all modes of transportation has created an effective and timely management of services among others such as scheduling of trains. Whereas, the increased need for adoption of intelligent transport system in railways has made this possible and hence has increased the customer experience and security. The ability of the systems to regulate the road traffic near railway track signals is also fostering the growth of this market. The ability of the system to provide real time information about the arrival and departure of train and the platform number at the display screen of the platform is also driving the growth of this market.

The global intelligent railway transport system market is expected to grow from USD~22 Billion in 2016 to USD 90 Billion by 2022, at an estimated CAGR of ~ 26.6%. The factors such as high cost involved in installation and lack of infrastructure for intelligent transport systems acts as a major restraint for this market.

Segments:
The Global Intelligent railway transport system market has been segmented on the basis of Devices & Components, Services and solutions. Devices and components include Rail Sensors, Video Surveillance Cameras, Smart Cards, Networking & Connectivity Devices (Router, Wi-Fi, Switches, etc.) and Others (Multimedia Displays). Services include Professional Services, Cloud Services and Integration Services among others. Solutions comprises of Passenger Information System (PIS), Railway Traffic Management System (RTMS), Advanced Security Management System, Smart Ticketing System (STS), Rail Operations Management System, Rail Communication & Networking Systems and Others (Rail Analytics System and Freight Information System).
Study Objectives of Global Intelligent railway transport system market:

- To provide detailed analysis of the market structure along with forecast of the various segments and sub-segments of the global intelligent railway transport system market.
- To provide insights about factors affecting the market growth.
- To analyze the global intelligent railway transport system market based on Porter's five forces analysis etc.
- To provide historical and forecast revenue of the market segments and sub-segments with respect to four main geographies and their countries: North America, Europe, Asia, and Rest of the World (ROW).
- To provide country-level analysis of the market with respect to the current market size and future prospective.
- To provide country-level analysis of the market for segment by Devices & Components, Services and solutions.
- To provide strategic profiling of key players in the market, comprehensively analyzing their core competencies, and drawing a competitive landscape for the market.
- To track and analyze competitive developments such as joint ventures, strategic alliances, mergers and acquisitions, new product developments, and research and developments in the global Smartphone screen protector market.

Key Players:
The prominent players in the market of Intelligent Railway Transport System market are – ABB Group (Switzerland), Indra Sistemas, S.A. (Spain), Alstom S.A. (Saint-Ouen), Alcatel-Lucent S.A. (France), Bombardier Inc. (Canada), Huawei Technologies Co. Ltd. (China), Hitachi, Ltd. (Japan), Cisco Systems, Inc. (U.S.), Siemens AG (Munich), International Business Machines Corporation (U.S.), General Electric Company (U.S.), Ansaldo Signalling and Transportation Systems (Italy) and among others.

Regional Analysis:
Regionally, the Europe region is experiencing tremendous growth in the intelligent railway transportation system market. The advancements in the intelligent transport system and intense R&D are expected to generate more opportunities for the market in future. North America is expected to generate maximum revenue due to its increasing demand of safety and security systems in the region. The increasing adoption of new technologies and rapid implementation of the same also contributing in the growth of smart railway system in the. The developing nations such as India, China and Japan are doing huge investments in research and development, increase in the development of technological infrastructure and entrance of new player in the market support the growth of smart railways in the future. Increasing security concerns for the existing railway and metro rail are also contributing to the growth of intelligent railway transportation system in the region.

Intended Audience:
- Software providers
Network providers
Government bodies
Research institutions
Technology investors
IT firms

Contents:

TABLE OF CONTENTS
1 MARKET INTRODUCTION
  1.1 INTRODUCTION
  1.2 SCOPE OF STUDY
  1.2.1 RESEARCH OBJECTIVE
  1.2.2 ASSUMPTIONS
  1.2.3 LIMITATIONS
  1.3 MARKET STRUCTURE
2 RESEARCH METHODOLOGY
  2.1 RESEARCH NETWORK SOLUTION
  2.2 PRIMARY RESEARCH
  2.3 SECONDARY RESEARCH
  2.4 FORECAST MODEL
  2.4.1 MARKET DATA COLLECTION, ANALYSIS & FORECAST
  2.4.2 MARKET SIZE ESTIMATION
3 MARKET DYNAMICS
  3.1 INTRODUCTION
  3.2 MARKET DRIVERS
  3.3 MARKET CHALLENGES
  3.4 MARKET OPPORTUNITIES
  3.5 MARKET RESTRAINTS
4 EXECUTIVE SUMMARY
5 MARKET FACTOR ANALYSIS
  5.1 PORTER’S FIVE FORCES ANALYSIS
  5.2 SUPPLY CHAIN ANALYSIS
6 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SEGMENTS
  6.1 INTRODUCTION
  6.2 MARKET STATISTICS
  6.2.1 BY DEVICES & COMPONENTS
    6.2.1.1 RAIL SENSORS
    6.2.1.2 VIDEO SURVEILLANCE CAMERAS
    6.2.1.3 SMART CARDS
    6.2.1.4 NETWORKING & CONNECTIVITY DEVICES
    6.2.1.5 OTHERS
  6.2.2 BY SERVICES
    6.2.2.1 PROFESSIONAL SERVICES
    6.2.2.2 CLOUD SERVICES
    6.2.2.3 INTEGRATION SERVICES
  6.2.3 BY SOLUTIONS
    6.2.3.1 PASSENGER INFORMATION SYSTEM (PIS)
    6.2.3.2 RAILWAY TRAFFIC MANAGEMENT SYSTEM (RTMS)
    6.2.3.3 ADVANCED SECURITY MANAGEMENT SYSTEM
6.2.3.4 SMART TICKETING SYSTEM (STS)
6.2.3.5 RAIL OPERATIONS MANAGEMENT SYSTEM
6.2.3.6 RAIL COMMUNICATION & NETWORKING SYSTEMS
6.2.3.7 OTHERS
6.2.4 BY GEOGRAPHY
6.2.4.1 NORTH AMERICA
6.2.4.2 EUROPE
6.2.4.3 ASIA-PACIFIC
6.2.4.4 REST OF THE WORLD

7 COMPETITIVE ANALYSIS
7.1 MARKET SHARE ANALYSIS
7.2 COMPANY PROFILES
7.2.1 ABB GROUP (SWITZERLAND),
7.2.2 INDRA SISTEMAS, S.A. (SPAIN)
7.2.3 ALSTOM S.A. (SAINT-OUEN)
7.2.4 ALCATEL-LUCENT S.A. (FRANCE)
7.2.5 BOMBARDIER INC.(CANADA)
7.2.6 HUAWEI TECHNOLOGIES CO. LTD. (CHINA)
7.2.7 HITACHI, LTD. (JAPAN)
7.2.8 CISCO SYSTEMS, INC. (U.S.)
7.2.9 SIEMENS AG (MUNICH)
7.2.10 INTERNATIONAL BUSINESS MACHINES CORPORATION (U.S.)
7.2.11 GENERAL ELECTRIC COMPANY (U.S.)
7.2.12 ANSALDO SIGNALLING AND TRANSPORTATION SYSTEMS (ITALY)
7.2.13 OTHERS

LIST OF TABLES
TABLE 1 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 2 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 3 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 4 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY REGIONS
TABLE 5 NORTH AMERICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 6 NORTH AMERICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 7 NORTH AMERICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 8 U.S. INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 9 U.S. INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 10 U.S. INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 11 CANADA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 12 CANADA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 13 CANADA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 14 EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 15 EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 16 EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 17 GERMANY INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 18 GERMANY INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 19 GERMANY INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 20 FRANCE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 21 FRANCE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 22 FRANCE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 23 U.K. INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 24 U.K. INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 25 U.K. INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 26 REST OF EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 27 REST OF EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 28 REST OF EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 29 ASIA-PACIFIC INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 30 ASIA-PACIFIC INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 31 ASIA-PACIFIC INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS
TABLE 32 MIDDLE EAST & AFRICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS
TABLE 33 MIDDLE EAST & AFRICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES
TABLE 34 MIDDLE EAST & AFRICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS

LIST OF FIGURES

FIGURE 1 RESEARCH TYPE
FIGURE 2 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET: BY DEVICES & COMPONENTS (%)
FIGURE 3 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET: BY SERVICES (%)
FIGURE 4 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET: BY SOLUTIONS (%)
FIGURE 5 GLOBAL INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET: BY REGION
FIGURE 6 NORTH AMERICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS (%)
FIGURE 7 NORTH AMERICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES (%)
FIGURE 8 NORTH AMERICA INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS (%)
FIGURE 9 EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS (%)
FIGURE 10 EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES (%)
FIGURE 11 EUROPE INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS (%)
FIGURE 12 ASIA-PACIFIC INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS (%)
FIGURE 13 ASIA-PACIFIC INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES (%)
FIGURE 14 ASIA-PACIFIC INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS (%)
FIGURE 15 ROW INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY DEVICES & COMPONENTS (%)
FIGURE 16 ROW INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SERVICES (%)
FIGURE 17 ROW INTELLIGENT RAILWAY TRANSPORT SYSTEM MARKET, BY SOLUTIONS (%)