Rail Signaling and Train Control Systems Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

CONSOLIDATION AND NEW TECHNOLOGY WILL DISRUPT INDUSTRY

This report serves as an effective planning guide for suppliers of rail signaling and train control systems and components as well as companies considering entry into this marketplace. It addresses the market size and forecasted growth (2018-2023) on a global scale, market drivers and opportunities in the global market, supplier market shares, product availability, alliances, and strategies, plus the impact of key trends such as population growth, increased urbanization, awareness of the effects of carbon emissions, replacement of old trains with electrification, emergence of Industrial IoT, and consolidation.

Chinese suppliers are winning projects outside of China, while a bevy of smaller competitors are vying for pieces of each rail transport project, making for a crowded and competitive field.

While single-digit growth is forecast for the market, tremendous potential exists for systems that meet the European Rail Traffic Management System (ERTMS) and Communication Based Traffic Control (CBTC) requirements.

Increasing standardization of rail signaling solutions is one of the most important trends impacting the market today. Standardization allows suppliers to develop core, standards-based global architectures that both enable interoperability necessary to meet local safety requirements and provide a common, reliable platform for building local solutions.

For more information about this research, please contact your ARC Client Manager or visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

The market represents a mix of mature and emerging markets such as Europe, China, and the Middle East. Safe operation remains paramount, including compliance with local safety mandates such as PTC in the US. Key questions addressed include:

- How can suppliers help railways meet escalating requirements in this era of fiscal austerity?
- How can suppliers best respond to the trend toward digitalization?
- How can technology suppliers and rail operators leverage the value of global platforms?

RESEARCH FORMATS

This research is available as a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

RESEARCH FOCUS AREAS

STRATEGIC ANALYSIS

Major and Regional Trends
Strategies for Buyers and Suppliers

COMPETITIVE ANALYSIS

Market Shares of the Leading Suppliers
Market Shares by Region:
  North America
  Europe, Middle East, Africa
  Asia
  Latin America
Market Shares by Hardware, Software, and Services
Market Shares by System Type
  Automatic Train Control
  Automatic Train Operation
  Automatic Train Protection
  Automatic Train Supervision
  Communication Based Control
  Electronic Interlocking
  Electronic Signaling Systems
  Operations or Office Control
  Positive Train Control
Market Shares by Geographical Standard
  ETCS Level 1
  ETCS Level 2
  CTCS

MARKET FORECAST & HISTORY

Total Shipments of Rail Signaling and Train Control Systems

Shipments by Type of Train Service
  Freight
  High Speed/VHS
  Industrial/Mining
  Light Rail
  Mainline
  Metro/Subway
Market Shares by Driver vs. Driverless
Market Shares for Wired vs. Wireless
Market Shares by Wireless Protocol

INDUSTRY PARTICIPANTS

The research identifies and profiles 16 suppliers serving this market.