

# **North America Autonomous Trains Market 2020-2030 by Component, Level of Automation (GoA 1, GoA 2, GoA3, GoA4), Technology (CBTC, ETRMS, ATC, PTC), Train Type, Application (Passenger, Freight) and Country: Trend Forecast and Growth Opportunity**

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## **Abstracts**

North America autonomous trains market is expected to grow by 8.1% annually in the forecast period and reach \$1,734.1 million by 2030 driven by urban population growth, increased comfort and safety concerns, increased budget allocations for the development of railway systems and infrastructure, and continuous research and development in the automation technology.

Highlighted with 27 tables and 49 figures, this 108-page report “North America Autonomous Trains Market 2020-2030 by Component, Level of Automation (GoA 1, GoA 2, GoA3, GoA4), Technology (CBTC, ETRMS, ATC, PTC), Train Type, Application (Passenger, Freight) and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America autonomous trains market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2015-2020 and provides forecast from 2021 till 2030 with 2020 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19. The balanced (most likely) projection is used to quantify North America autonomous trains market in every aspect of the classification from perspectives of Component, Level of Automation, Technology, Train Type, Application, and Country.

Based on Component, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Optical Sensor & Camera

Radio Set

Accelerometer

LiDAR Module

Odometer

Tachometer

Other Components

Based on Level of Automation, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Grade of Automation 1 (GoA 1)

Grade of Automation 2 (GoA 2)

Grade of Automation 3 (GoA 3)

Grade of Automation 4 (GoA 4)

Based on Technology, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Communication-based Train Control (CBTC)

European Railway Traffic Management System (ETRMS)

Automatic Train Control (ATC)

Positive Train Control (PTC)

Based on Train Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Long Distance Trains

Suburban Trains

Trams

Monorail

Subway/Metro

Based on Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2020-2030 included in each section.

Passenger Trains

## Freight Trains

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2020-2030. The breakdown of key national markets by Component, Level of Automation, and Technology over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in North America autonomous trains market are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders identify emerging opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

Key Players (this may not be a complete list and extra companies can be added upon request):

ABB Ltd.  
Alstom S.A.  
Ansaldo STS  
Bombardier Transportation  
CRRC Transportation  
General Electric  
Hitachi Ltd.  
Kawasaki Heavy Industries  
Mitsubishi Heavy Industries

Siemens AG.  
Thales Group.

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

## Contents

### **1 INTRODUCTION**

- 1.1 Industry Definition and Research Scope
  - 1.1.1 Industry Definition
  - 1.1.2 Research Scope
- 1.2 Research Methodology
  - 1.2.1 Overview of Market Research Methodology
  - 1.2.2 Market Assumption
  - 1.2.3 Secondary Data
  - 1.2.4 Primary Data
  - 1.2.5 Data Filtration and Model Design
  - 1.2.6 Market Size/Share Estimation
  - 1.2.7 Research Limitations
- 1.3 Executive Summary

### **2 MARKET OVERVIEW AND DYNAMICS**

- 2.1 Market Size and Forecast
  - 2.1.1 Impact of COVID-19 on World Economy
  - 2.1.2 Impact of COVID-19 on the Market
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

### **3 SEGMENTATION OF NORTH AMERICA MARKET BY COMPONENT**

- 3.1 Market Overview by Component
- 3.2 Optical Sensor & Camera
- 3.3 Radio Set
- 3.4 Accelerometer
- 3.5 LiDAR Module
- 3.6 Odometer
- 3.7 Tachometer
- 3.8 Other Components

### **4 SEGMENTATION OF NORTH AMERICA MARKET BY LEVEL OF AUTOMATION**

*North America Autonomous Trains Market 2020-2030 by Component, Level of Automation (GoA 1, GoA 2, GoA3, GoA4),...*

- 4.1 Market Overview by Level of Automation
- 4.2 Grade of Automation 1 (GoA 1)
- 4.3 Grade of Automation 2 (GoA 2)
- 4.4 Grade of Automation 3 (GoA 3)
- 4.5 Grade of Automation 4 (GoA 4)

## **5 SEGMENTATION OF NORTH AMERICA MARKET BY TECHNOLOGY**

- 5.1 Market Overview by Technology
- 5.2 Communication-based Train Control (CBTC)
- 5.3 European Railway Traffic Management System (ETRMS)
- 5.4 Automatic Train Control (ATC)
- 5.5 Positive Train Control (PTC)

## **6 SEGMENTATION OF NORTH AMERICA MARKET BY TRAIN TYPE**

- 6.1 Market Overview by Train Type
- 6.2 Long Distance Trains
- 6.3 Suburban Trains
- 6.4 Trams
- 6.5 Monorail
- 6.6 Subway/Metro

## **7 SEGMENTATION OF NORTH AMERICA MARKET BY APPLICATION**

- 7.1 Market Overview by Application
- 7.2 Passenger Trains
- 7.3 Freight Trains

## **8 NORTH AMERICA MARKET 2020-2030 BY COUNTRY**

- 8.1 Overview of North America Market
- 8.2 U.S.
- 8.3 Canada
- 8.4 Mexico

## **9 COMPETITIVE LANDSCAPE**

9.1 Overview of Key Vendors

9.2 New Product Launch, Partnership, Investment, and M&A

9.3 Company Profiles

ABB Ltd.

Alstom S.A.

Ansaldo STS

Bombardier Transportation

CRRC Transportation

General Electric

Hitachi Ltd.

Kawasaki Heavy Industries

Mitsubishi Heavy Industries

Siemens AG.

Thales Group.

## **10 INVESTING IN NORTH AMERICA MARKET: RISK ASSESSMENT AND MANAGEMENT**

10.1 Risk Evaluation of North America Market

10.2 Critical Success Factors (CSFs)

Related Reports and Products



## List Of Tables

### LIST OF TABLES

- Table 1. Snapshot of North America Autonomous Trains Market in Balanced Perspective, 2020-2030
- Table 2. Growth Rate of World Real GDP, 2017-2021
- Table 3. Main Product Trends and Market Opportunities in North America Autonomous Trains Market
- Table 4. North America Autonomous Trains Market by Component, 2020-2030, \$ mn
- Table 5. North America Autonomous Trains Market by Level of Automation, 2020-2030, \$ mn
- Table 6. North America Autonomous Trains Market by Technology, 2020-2030, \$ mn
- Table 7. North America Autonomous Trains Market by Train Type, 2020-2030, \$ mn
- Table 8. North America Autonomous Trains Market by Application, 2020-2030, \$ mn
- Table 9. North America Autonomous Trains Market by Country, 2020-2030, \$ mn
- Table 10. U.S. Current and Future Autonomous Train Lines
- Table 11. U.S. Autonomous Trains Market by Component, 2020-2030, \$ mn
- Table 12. U.S. Autonomous Trains Market by Level of Automation, 2020-2030, \$ mn
- Table 13. U.S. Autonomous Trains Market by Technology, 2020-2030, \$ mn
- Table 14. Canada Autonomous Trains Market by Component, 2020-2030, \$ mn
- Table 15. Canada Autonomous Trains Market by Level of Automation, 2020-2030, \$ mn
- Table 16. Canada Autonomous Trains Market by Technology, 2020-2030, \$ mn
- Table 17. Canada Current and Future Autonomous Train Lines
- Table 18. Mexico Autonomous Trains Market by Component, 2020-2030, \$ mn
- Table 19. Mexico Autonomous Trains Market by Level of Automation, 2020-2030, \$ mn
- Table 20. Mexico Autonomous Trains Market by Technology, 2020-2030, \$ mn
- Table 21. Mexico Current and Future Autonomous Train Lines
- Table 22. ABB Ltd.: Company Snapshot
- Table 23. ABB Ltd.: Business Segmentation
- Table 24. ABB Ltd.: Product Portfolio
- Table 25. ABB Ltd.: Revenue, 2017-2019, \$ mn
- Table 26. Risk Evaluation for Investing in North America Market, 2020-2030
- Table 27. Critical Success Factors and Key Takeaways

## List Of Figures

### LIST OF FIGURES

Figure 1. Research Method Flow Chart

Figure 2. Breakdown of Primary Research

Figure 3. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 4. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2020-2030

Figure 5. North America Autonomous Trains Market, 2020-2030, \$ mn

Figure 6. North America Autonomous Trains Market, 2020-2030, thousand units

Figure 7. Impact of COVID-19 on Business

Figure 8. Primary Drivers and Impact Factors of North America Autonomous Trains Market

Figure 9. Primary Restraints and Impact Factors of North America Autonomous Trains Market

Figure 10. Investment Opportunity Analysis

Figure 11. Porter's Five Forces Analysis of North America Autonomous Trains Market

Figure 12. Breakdown of North America Autonomous Trains Market by Component, 2020-2030, % of Revenue

Figure 13. North America Addressable Market Cap in 2021-2030 by Component, Value (\$ mn) and Share (%)

Figure 14. North America Autonomous Trains Market: Optical Sensor & Camera, 2020-2030, \$ mn

Figure 15. North America Autonomous Trains Market: Radio Set, 2020-2030, \$ mn

Figure 16. North America Autonomous Trains Market: Accelerometer, 2020-2030, \$ mn

Figure 17. North America Autonomous Trains Market: LiDAR Module, 2020-2030, \$ mn

Figure 18. North America Autonomous Trains Market: Odometer, 2020-2030, \$ mn

Figure 19. North America Autonomous Trains Market: Tachometer, 2020-2030, \$ mn

Figure 20. North America Autonomous Trains Market: Other Components, 2020-2030, \$ mn

Figure 21. Breakdown of North America Autonomous Trains Market by Level of Automation, 2020-2030, % of Sales Revenue

Figure 22. North America Addressable Market Cap in 2021-2030 by Level of Automation, Value (\$ mn) and Share (%)

Figure 23. North America Autonomous Trains Market: Grade of Automation 1 (GoA 1), 2020-2030, \$ mn

Figure 24. North America Autonomous Trains Market: Grade of Automation 2 (GoA 2), 2020-2030, \$ mn

Figure 25. North America Autonomous Trains Market: Grade of Automation 3 (GoA 3), 2020-2030, \$ mn

Figure 26. North America Autonomous Trains Market: Grade of Automation 4 (GoA 4), 2020-2030, \$ mn

Figure 27. Breakdown of North America Autonomous Trains Market by Technology, 2020-2030, % of Sales Revenue

Figure 28. North America Addressable Market Cap in 2021-2030 by Technology, Value (\$ mn) and Share (%)

Figure 29. North America Autonomous Trains Market: Communication-based Train Control (CBTC), 2020-2030, \$ mn

Figure 30. North America Autonomous Trains Market: European Railway Traffic Management System (ETRMS), 2020-2030, \$ mn

Figure 31. North America Autonomous Trains Market: Automatic Train Control (ATC), 2020-2030, \$ mn

Figure 32. North America Autonomous Trains Market: Positive Train Control (PTC), 2020-2030, \$ mn

Figure 33. Breakdown of North America Autonomous Trains Market by Train Type, 2020-2030, % of Revenue

Figure 34. North America Addressable Market Cap in 2021-2030 by Train Type, Value (\$ mn) and Share (%)

Figure 35. North America Autonomous Trains Market: Long Distance Trains, 2020-2030, \$ mn

Figure 36. North America Autonomous Trains Market: Suburban Trains, 2020-2030, \$ mn

Figure 37. North America Autonomous Trains Market: Trams, 2020-2030, \$ mn

Figure 38. North America Autonomous Trains Market: Monorail, 2020-2030, \$ mn

Figure 39. North America Autonomous Trains Market: Subway/Metro, 2020-2030, \$ mn

Figure 40. Breakdown of North America Autonomous Trains Market by Application, 2020-2030, % of Revenue

Figure 41. North America Addressable Market Cap in 2021-2030 by Application, Value (\$ mn) and Share (%)

Figure 42. North America Autonomous Trains Market: Passenger Trains, 2020-2030, \$ mn

Figure 43. North America Autonomous Trains Market: Freight Trains, 2020-2030, \$ mn

Figure 44. Breakdown of North America Autonomous Trains Market by Country, 2020 and 2030, % of Revenue

Figure 45. Contribution to North America 2021-2030 Cumulative Revenue by Country, Value (\$ mn) and Share (%)

Figure 46. U.S. Autonomous Trains Market, 2020-2030, \$ mn

Figure 47. Canada Autonomous Trains Market, 2020-2030, \$ mn

Figure 48. Autonomous Trains Market in Mexico, 2015-2030, \$ mn

Figure 49. Growth Stage of North America Autonomous Trains Industry over the Forecast Period

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