

Europe 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

Europe autonomous trains market accounted for \$2,916.0 million in 2020 and will grow by 7.7% annually over 2020-2030 owing to the 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 40 tables and 52 figures, this 118-page report “Europe 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 Europe 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 Europe 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 Europe 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 Europe 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 Europe 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 Europe 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 Europe 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 Europe 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:

Germany

UK

France

Spain

Italy

Russia

Rest of Europe (further segmented into Netherlands, Switzerland, Turkey, Poland, Sweden, Belgium, Austria, Ireland, Norway, Denmark, and Finland)

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 Europe 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.)

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