

Global Railway Traction Motor Market

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Abstracts

Railway Traction Motor Industry Overview:

The global railway traction motor market is expected to reach \$41.63 billion in 2025, from \$30.28 billion in 2016, growing at a CAGR of 3.8% from 2017 to 2025. Railway traction motors are series-wound brushed DC motors, usually running on approximately 600 Volts. The availability of high-powered semiconductors (such as thyristors and the IGBT) have made the use of much simpler, higher-reliability AC induction motors known as asynchronous traction motors possible. The substantial improvement of the railroads in the twentieth century is connected to the electrification of the rail route lines.

Traditionally, railways ran on steam motors. Several nations have adopted railroads electrification, monorail systems, and metros. With the progress in the railroads technologies, and change in vehicular emission restrictions forced on transportation systems across the systems, the progress of the railway traction motor market is expected in future.

The market is segmented by type, application, and geography. Furthermore, by type of system, it includes direct current traction motor, alternating current traction motor, and synchronous alternating current traction motor. By type of application, it is classified into diesel locomotives, electric multiple units, electric locomotives, and diesel-electric locomotives. Geographic breakdown and deep analysis of each of the aforesaid segments is included for North America, Europe, Asia-Pacific, and LAMEA.

Market Dynamics:

Drivers:

Incorporation of traction motors in the railway engines

Lower emission

Low manufacturing and maintenance costs

Lower down the loss in performance

Restraints:

Rise in price

High investment cost

Market Players:

The top players in the global railway traction motor market include ABB, Aisin Seiki Co. Ltd., Sulzer Ltd., ALSTOM, Bombardier, BHEL, Hyundai Rotem Company, Mitsubishi Electric Corporation, Saini Group, and VEM Gruppe.

RAILWAY TRACTION MOTOR MARKET LANDSCAPE

By Type

Direct Current Traction Motor

Alternating Current Traction Motor

Synchronous Alternating Current Traction Motor

By Application

Diesel Locomotives

Electric Multiple Units

Electric Locomotives

Diesel-Electric Locomotives

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Contents

1. EXECUTIVE SUMMARY

- 1.1. Key Findings
- 1.2. Market Attractiveness and Trend Analysis
- 1.3. Competitive Landscape and Recent Industry Development Analysis

2. INTRODUCTION

- 2.1. Report Description
- 2.2. Scope and Definitions
- 2.3. Research Methodology

3. MARKET LANDSCAPE

- 3.1. Growth Drivers
 - 3.1.1. Impact Analysis
- 3.2. Restraints and Challenges
 - 3.2.1. Impact Analysis
- 3.3. Porter's Analysis
 - 3.3.1. Bargaining power of buyers
 - 3.3.2. Bargaining power of suppliers
 - 3.3.3. Threat of substitutes
 - 3.3.4. Industry rivalry
 - 3.3.5. Threat of new entrants
- 3.4. Global Railway Traction Motor Market Shares Analysis, 2014-2025
 - 3.4.1. Global railway traction motor market share by type, 2014-2025
 - 3.4.2. Global railway traction motor market share by applications, 2014-2025
 - 3.4.3. Global railway traction motor market share by geography, 2014-2025

4. GLOBAL RAILWAY TRACTION MOTOR MARKET BY TYPE

- 4.1. Direct Current Traction Motor
 - 4.1.1. Historical Market Size by Region, 2014-2016
 - 4.1.2. Market Forecast by Region, 2017-2025
- 4.2. Alternating Current Traction Motor
 - 4.2.1. Historical Market Size by Region, 2014-2016
 - 4.2.2. Market Forecast by Region, 2017-2025

4.3. Synchronous Alternating Current Traction Motor

4.3.1. Historical Market Size by Region, 2014-2016

4.3.2. Market Forecast by Region, 2017-2025

5. GLOBAL RAILWAY TRACTION MOTOR MARKET BY APPLICATIONS

5.1. Diesel Locomotives

5.1.1. Historical Market Size by Region, 2014-2016

5.1.2. Market Forecast by Region, 2017-2025

5.2. Electric Multiple Units

5.2.1. Historical Market Size by Region, 2014-2016

5.2.2. Market Forecast by Region, 2017-2025

5.3. Electric Locomotives

5.3.1. Historical Market Size by Region, 2014-2016

5.3.2. Market Forecast by Region, 2017-2025

5.4. Diesel-Electric Locomotives

5.4.1. Historical Market Size by Region, 2014-2016

5.4.2. Market Forecast by Region, 2017-2025

6. GLOBAL RAILWAY TRACTION MOTOR MARKET BY GEOGRAPHY

6.1. North America

6.1.1. U.S.

6.1.1.1. Historical Market Size, 2014-2016

6.1.1.2. Market Forecast, 2017-2025

6.1.2. Canada

6.1.2.1. Historical Market Size, 2014-2016

6.1.2.2. Market Forecast, 2017-2025

6.1.3. Mexico

6.1.3.1. Historical Market Size, 2014-2016

6.1.3.2. Market Forecast, 2017-2025

6.2. Europe

6.2.1. UK

6.2.1.1. Historical Market Size, 2014-2016

6.2.1.2. Market Forecast, 2017-2025

6.2.2. Germany

6.2.2.1. Historical Market Size, 2014-2016

6.2.2.2. Market Forecast, 2017-2025

6.2.3. France

- 6.2.3.1. Historical Market Size, 2014-2016
- 6.2.3.2. Market Forecast, 2017-2025
- 6.2.4. Spain
 - 6.2.4.1. Historical Market Size, 2014-2016
 - 6.2.4.2. Market Forecast, 2017-2025
- 6.2.5. Italy
 - 6.2.5.1. Historical Market Size, 2014-2016
 - 6.2.5.2. Market Forecast, 2017-2025
- 6.2.6. Rest of Europe
 - 6.2.6.1. Historical Market Size, 2014-2016
 - 6.2.6.2. Market Forecast, 2017-2025
- 6.3. Asia-Pacific
 - 6.3.1. China
 - 6.3.1.1. Historical Market Size, 2014-2016
 - 6.3.1.2. Market Forecast, 2017-2025
 - 6.3.2. Japan
 - 6.3.2.1. Historical Market Size, 2014-2016
 - 6.3.2.2. Market Forecast, 2017-2025
 - 6.3.3. India
 - 6.3.3.1. Historical Market Size, 2014-2016
 - 6.3.3.2. Market Forecast, 2017-2025
 - 6.3.4. Australia
 - 6.3.4.1. Historical Market Size, 2014-2016
 - 6.3.4.2. Market Forecast, 2017-2025
 - 6.3.5. South Korea
 - 6.3.5.1. Historical Market Size, 2014-2016
 - 6.3.5.2. Market Forecast, 2017-2025
 - 6.3.6. Rest of Asia-Pacific
 - 6.3.6.1. Historical Market Size, 2014-2016
 - 6.3.6.2. Market Forecast, 2017-2025
- 6.4. LAMEA
 - 6.4.1. Brazil
 - 6.4.1.1. Historical Market Size, 2014-2016
 - 6.4.1.2. Market Forecast, 2017-2025
 - 6.4.2. South Arabia
 - 6.4.2.1. Historical Market Size, 2014-2016
 - 6.4.2.2. Market Forecast, 2017-2025
 - 6.4.3. South Africa
 - 6.4.3.1. Historical Market Size, 2014-2016

6.4.3.2. Market Forecast, 2017-2025

6.4.4. Rest of LAMEA

6.4.4.1. Historical Market Size, 2014-2016

6.4.4.2. Market Forecast, 2017-2025

7. COMPANY PROFILES

7.1. ABB

7.1.1. Overview

7.1.2. Financials and business segments

7.1.3. Recent developments

7.2. Aisin Seiki Co. Ltd.

7.2.1. Overview

7.2.2. Financials and business segments

7.2.3. Recent developments

7.3. Sulzer Ltd

7.3.1. Overview

7.3.2. Financials and business segments

7.3.3. Recent developments

7.4. ALSTOM

7.4.1. Overview

7.4.2. Financials and business segments

7.4.3. Recent developments

7.5. Bombardier

7.5.1. Overview

7.5.2. Financials and business segments

7.5.3. Recent developments

7.6. BHEL

7.6.1. Overview

7.6.2. Financials and business segments

7.6.3. Recent developments

7.7. Hyundai Rotem Company

7.7.1. Overview

7.7.2. Financials and business segments

7.7.3. Recent developments

7.8. Mitsubishi Electric Corporation

7.8.1. Overview

7.8.2. Financials and business segments

7.8.3. Recent developments

7.9. Saini Group

7.9.1. Overview

7.9.2. Financials and business segments

7.9.3. Recent developments

7.10. VEM Gruppe

7.10.1. Overview

7.10.2. Financials and business segments

7.10.3. Recent developments

List Of Tables

LIST OF TABLES

Table 1. Railway Traction Motor Market Share, by Type, 2014-2025, (%)

Table 2. Railway Traction Motor Market Share, by Application, 2014-2025, (%)

Table 3. Railway Traction Motor Market Value for Direct Current Traction Motor, by Region, 2014-2025, \$million

Table 4. Railway Traction Motor Market Value for Alternating Current Traction Motor, by Region, 2017-2025, \$million

Table 5. Railway Traction Motor Market Value for Synchronous Alternating Current Traction Motor, by Region, 2017-2025, \$million

Table 6. Railway Traction Motor Market Value for Diesel Locomotives, by Region, 2017-2025, \$million

Table 7. Railway Traction Motor Market Value for Electric Multiple Units, by Region, 2017-2025, \$million

Table 8. Railway Traction Motor Market Value for Electric Locomotives, by Region, 2017-2025, \$million

Table 9. Railway Traction Motor Market Value for Diesel-Electric Locomotives, by Region, 2017-2025, \$million

Table 10. Railway Traction Motor Market Value for North America, by Country, 2014-2025, \$million

Table 11. Railway Traction Motor Market Value for North America, by Type, 2014-2025, \$million

Table 12. Railway Traction Motor Market Value for North America, by Application, 2014-2025, \$million

Table 13. Railway Traction Motor Market Value for Europe, by Country, 2014-2025, \$million

Table 14. Railway Traction Motor Market Value for Europe, by Type, 2014-2025, \$million

Table 15. Railway Traction Motor Market Value for Europe, by Application, 2014-2025, \$million

Table 16. Railway Traction Motor Market Value for Asia-Pacific, by Country, 2014-2025, \$million

Table 17. Railway Traction Motor Market Value for Asia-Pacific, by Type, 2014-2025, \$million

Table 18. Railway Traction Motor Market Value for Asia-Pacific, by Application, 2014-2025, \$million

Table 19. Railway Traction Motor Market Value for LAMEA, by Country, 2014-2025, \$million

Table 20. Railway Traction Motor Market Value for LAMEA, by Type, 2014-2025,
\$million

Table 21. Railway Traction Motor Market Value for LAMEA, by Application, 2014-2025,
\$million

Table 22. ABB - Company Snapshot

Table 23. Aisin Seiki Co. Ltd. - Company Snapshot

Table 24. Sulzer Ltd. - Company Snapshot

Table 25. ALSTOM - Company Snapshot

Table 26. Bombardier - Company Snapshot

Table 27. BHEL - Company Snapshot

Table 28. Hyundai Rotem Company - Company Snapshot

Table 29. Mitsubishi Electric Corporation - Company Snapshot

Table 30. Saini Group - Company Snapshot

Table 31. VEM Gruppe - Company Snapshot

List Of Figures

LIST OF FIGURES

Figure 1. Railway Traction Motor: Direct Current Traction Motor Market Value, 2014-2016, \$million

Figure 2. Railway Traction Motor: Alternating Current Traction Motor Market Value, 2014-2016, \$million

Figure 3. Railway Traction Motor: Synchronous Alternating Current Traction Motor Market Value, 2014-2016, \$million

Figure 4. Railway Traction Motor: Diesel Locomotives Market Value, 2014-2016, \$million

Figure 5. Railway Traction Motor: Electric Multiple Units Market Value, 2014-2016, \$million

Figure 6. Railway Traction Motor: Electric Locomotives Market Value, 2014-2016, \$million

Figure 7. Railway Traction Motor: Diesel-Electric Locomotives Market Value, 2014-2016, \$million

Figure 8. Railway Traction Motor: U.S. Market Value, 2014-2016, \$million

Figure 9. Railway Traction Motor: U.S. Market Value, 2017-2025, \$million

Figure 10. Railway Traction Motor: Canada Market Value, 2014-2016, \$million

Figure 11. Railway Traction Motor: Canada Market Value, 2017-2025, \$million

Figure 12. Railway Traction Motor: Mexico Market Value, 2014-2016, \$million

Figure 13. Railway Traction Motor: Mexico Market Value, 2017-2025, \$million

Figure 14. Railway Traction Motor: UK Market Value, 2014-2016, \$million

Figure 15. Railway Traction Motor: UK Market Value, 2017-2025, \$million

Figure 16. Railway Traction Motor: Germany Market Value, 2014-2016, \$million

Figure 17. Railway Traction Motor: Germany Market Value, 2017-2025, \$million

Figure 18. Railway Traction Motor: France Market Value, 2014-2016, \$million

Figure 19. Railway Traction Motor: France Market Value, 2017-2025, \$million

Figure 20. Railway Traction Motor: Spain Market Value, 2014-2016, \$million

Figure 21. Railway Traction Motor: Spain Market Value, 2017-2025, \$million

Figure 22. Railway Traction Motor: Italy Market Value, 2014-2016, \$million

Figure 23. Railway Traction Motor: Italy Market Value, 2017-2025, \$million

Figure 24. Railway Traction Motor: Rest of Europe Market Value, 2014-2016, \$million

Figure 25. Railway Traction Motor: Rest of Europe Market Value, 2017-2025, \$million

Figure 26. Railway Traction Motor: China Market Value, 2014-2016, \$million

Figure 27. Railway Traction Motor: China Market Value, 2017-2025, \$million

Figure 28. Railway Traction Motor: Japan Market Value, 2014-2016, \$million

Figure 29. Railway Traction Motor: Japan Market Value, 2017-2025, \$million

Figure 30. Railway Traction Motor: India Market Value, 2014-2016, \$million

Figure 31. Railway Traction Motor: India Market Value, 2017-2025, \$million

Figure 32. Railway Traction Motor: Australia Market Value, 2014-2016, \$million

Figure 33. Railway Traction Motor: Australia Market Value, 2017-2025, \$million

Figure 34. Railway Traction Motor: South Korea Market Value, 2014-2016, \$million

Figure 35. Railway Traction Motor: South Korea Market Value, 2017-2025, \$million

Figure 36. Railway Traction Motor: Rest of Asia-Pacific Market Value, 2014-2016, \$million

Figure 37. Railway Traction Motor: Rest of Asia-Pacific Market Value, 2017-2025, \$million

Figure 38. Railway Traction Motor: Brazil Market Value, 2014-2016, \$million

Figure 39. Railway Traction Motor: Brazil Market Value, 2017-2025, \$million

Figure 40. Railway Traction Motor: Saudi Arabia Market Value, 2014-2016, \$million

Figure 41. Railway Traction Motor: Saudi Arabia Market Value, 2017-2025, \$million

Figure 42. Railway Traction Motor: South Africa Market Value, 2014-2016, \$million

Figure 43. Railway Traction Motor: South Africa Market Value, 2017-2025, \$million

Figure 44. Railway Traction Motor: Rest of LAMEA Market Value, 2014-2016, \$million

Figure 45. Railway Traction Motor: Rest of LAMEA Market Value, 2017-2025, \$million

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