

Rolling Stock Market by Component Product Type (Locomotive, Rapid Transit, & Coach), Locomotive Technology (Conventional, Turbocharged, & Maglev), Application (Passenger Transportation & Freight transportation) & Region - Global Forecast to 2028

<https://marketpublishers.com/r/RFB2397CCE0EN.html>

Date: May 2023

Pages: 383

Price: US\$ 4,950.00 (Single User License)

ID: RFB2397CCE0EN

Abstracts

The global rolling stock market, by value, is estimated to be 54.6 USD Billion in 2023 and is projected to reach 65.6 USD Billion by 2028, at a CAGR of 3.8% from 2023 to 2028. Rolling Stock market growth would be supported by favourable government policies and investment towards railway industry. In Addition to this, leisure travel has become increasingly popular across the globe. This significantly increases the demand for long-distance high-speed rail services as well as local light rail for tourists using public transport due to which demand for rolling stock will be high in the forecast period.

Globally, there has been a rapid increase in industrial activities. Industries need transportation networks to move raw materials and finished goods efficiently. Freight transportation by rail has proved to be more cost-effective and reliable compared to road transport. More than 1.42 billion metric tons of freight were transported in India through the railways during 2022. Increased mining activities in emerging economies are also expected to positively impact the market for freight transportation, which, in turn, is expected to propel the demand for freight wagons and locomotives. According to the International Organizing Committee for the World Mining Congress (WMC) 2022, global mining production was 17.2 billion metric tons in 2020, and Asia accounted for 59.8% of the total production. In 2021, although passenger traffic in the railway industry has declined, freight transportation has increased at a significant rate worldwide. For example, freight transportation increased by 11% in Europe, 9% in the US, 12% in China, 25% in India, and 12% in Oceania. Therefore, mineral-rich countries are expected to expand their rail networks to enhance connectivity.

“Europe region holds the largest market share of EMUs segment.”

The passenger application in Europe accounts for the largest market share of the overall rolling stock market in the region. In Europe, EMUs are majorly used for passenger transportation to reduce emissions from rolling stock. In February 2023, Esko Državna (ED) launched a tender for the supply of 47 dual-voltage regional EMUs, including the provisioning of selected spare parts and complete services for a period of 15 years. USD 398 million is the estimated value of the contract. The growth of the market in Asia Oceania can be attributed to the high usage of passenger transportation. Due to such developments, the demand for EMUs will increase during the forecast period. The demand for EMUs is expected to increase significantly due to new high-speed train lines in China and the demand for new vehicles in Russia, Japan, Brazil, and the US. In October 2022, Spanish operator Renfe placed a USD 200 million order with CAF for the supply of 29 commuter EMUs together with spare parts. The contract includes an option to extend the future scope of the contract to nine additional EMUs, plus extra cars to extend the units in the initial order.

“By, Locomotive technology, Conventional locomotive hold the largest market share in rolling stock market.”

The Asia Oceania region is the leading producer of rolling stock across the globe and is expected to retain this position during the forecast period for conventional locomotives. Developments in rail transport in Asia Oceania are expected to meet the increasing need for the modernization of the passenger transport system. Growing urbanization increases the development of additional public transportation to overcome issues related to traffic congestion in urban areas. Railway transport serves as a viable option to meet the demand for an urban commute as well as long-distance travel. Various railway projects are in the developmental phase, with heavy investments. For example, in its Union Budget 2022-23, the Indian government allocated Rs. 140,367.13 crore (USD 18.40 billion) to the Ministry of Railways. In December 2022, Network Rail secured USD 37.1 billion in government funding for operational railway infrastructure in England and Wales for the next five years. Also, In January 2023, Siemens AG received an order for 1,200 locomotives of 9,000 horsepower (HP) from Indian Railways, marking the single largest locomotive order in the history of Siemens Mobility and the single largest order in the history of Siemens India. Developments in the field of electric locomotives are expected to fuel the growth of the rolling stock market. This is expected to boost the rolling stock market in the near future.

“Asia Oceania hold the largest market share in the coaches segment”

In terms of volume and value, the Asia Oceania market is projected to grow at the highest rate owing to increasing investments for developments in railway infrastructure in the region. The demand for passenger transportation is also expected to rise due to the increase in urbanization in regions such as Asia Oceania and Europe. In December 2022, the Moscow Metro signed a supplementary agreement with Transmashholding for the procurement of 500 additional rolling stock coaches. In 2022, Indian Railways has selected seven companies to supply propulsion equipment for 58 160km/h Vande Bharat EMUs. Where Siemens will supply traction equipment for 16 trains and Alstom 9. For this purpose, Siemens is set partner with modern coach factory in Amethi, while Alstom will manufacturer its trains in partnership with a rail coach factory at Kapurthala. Thus, due to such developments, the demand for coaches will be high during the forecast period.

In-depth interviews were conducted with CEOs, marketing directors, other innovation and technology directors, and executives from various key organizations operating in this market.

By Company Type: Tier I - 18%, Tier II - 42%, and OEMs - 40%

By Designation: C Level Executives - 23%, Directors - 43%, and Others - 34%

By Region: Asia Oceania-35%, Europe-25%, North America-20%, MEA-15%, RoW-5%

The rolling stock market comprises major companies such CRRC Corporation Limited (China), Alstom SA (France), Siemens AG (Germany), Stadler Rail AG (Switzerland), and Wabtec Corporation (US).

Research Coverage:

The market study covers the rolling stock market size and future growth potential across different segments such as by product type, locomotive technology, component, application, and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants in this market with information on the closest approximations of revenue numbers for the overall rolling stock market and its subsegments.

This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies.

The report also helps stakeholders understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Increasing preference for railway-based public transport to reduce traffic congestion, Rising demand for energy-efficient transport, Increasing demand for comfort and safety, Increasing electrification of railway networks, Growth in rolling stock order), restraints (Refurbishment of existing rolling stock, Capital-intensive rolling stock), opportunities (Big data applications in rail industry, Increase in industrial and mining activities, Development of hydrogen fuel cell locomotives, Development of battery-operated trains, Development of solar-powered trains), and challenges (High overhaul and maintenance costs, Requirement of high R&D investments).

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the rolling stock market.

Market Development: Comprehensive information about lucrative markets – the report analyses the rolling stock market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the rolling stock market.

Competitive Assessment: In-depth assessment of market shares, growth

strategies and service offerings of leading players like CRRC Corporation Limited (China), Alstom SA (France), Siemens AG (Germany), Stadler Rail AG (Switzerland), and Wabtec Corporation (US) among others in the electric rolling stock market.

Strategies: The report also helps stakeholders understand the pulse of the automotive airbags & seatbelts market and provides them information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

TABLE 1 INCLUSIONS AND EXCLUSIONS FOR STUDY OF ROLLING STOCK MARKET

1.3 MARKET SCOPE

FIGURE 1 ROLLING STOCK MARKET SEGMENTATION

1.3.1 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

TABLE 2 CURRENCY EXCHANGE RATES

1.5 STAKEHOLDERS

1.6 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 RESEARCH DESIGN

FIGURE 3 RESEARCH METHODOLOGY MODEL

2.1.1 SECONDARY DATA

2.1.1.1 List of key secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 List of participating companies for primary research

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS BY COMPANY TYPE, DESIGNATION, AND REGION

2.1.2.3 Major objectives of primary research

2.1.2.4 List of primary participants

2.2 MARKET ESTIMATION METHODOLOGY

FIGURE 5 RESEARCH METHODOLOGY: HYPOTHESIS BUILDING

2.3 MARKET SIZE ESTIMATION

2.3.1 BOTTOM-UP APPROACH

FIGURE 6 ROLLING STOCK MARKET SIZE: BOTTOM-UP APPROACH

2.3.2 TOP-DOWN APPROACH

FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY FOR ROLLING STOCK

MARKET: TOP-DOWN APPROACH

FIGURE 8 ROLLING STOCK MARKET: MARKET ESTIMATION NOTES

FIGURE 9 ROLLING STOCK MARKET: RESEARCH METHODOLOGY

ILLUSTRATION OF ALSTOM SA REVENUE ESTIMATION

2.4 DATA TRIANGULATION

FIGURE 10 DATA TRIANGULATION METHODOLOGY

2.5 FACTOR ANALYSIS

2.5.1 FACTOR ANALYSIS FOR MARKET SIZING: DEMAND AND SUPPLY SIDES

2.6 RECESSION IMPACT ANALYSIS

TABLE 3 KEY COUNTRIES ROLLING STOCK SALES, 2022–2023

2.7 RESEARCH ASSUMPTIONS

2.8 RESEARCH LIMITATIONS

3 EXECUTIVE SUMMARY

FIGURE 11 ROLLING STOCK MARKET OVERVIEW

FIGURE 12 ROLLING STOCK MARKET, BY REGION, 2023–2028

FIGURE 13 WAGONS SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

FIGURE 14 KEY PLAYERS OPERATING IN ROLLING STOCK MARKET, BY REGION

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN ROLLING STOCK MARKET

FIGURE 15 RISING INVESTMENTS IN RAPID TRANSIT PROJECTS TO DRIVE MARKET

4.2 ROLLING STOCK MARKET SHARE, BY REGION

FIGURE 16 ASIA OCEANIA ESTIMATED TO ACCOUNT FOR LARGEST MARKET SHARE IN 2023

4.3 ROLLING STOCK MARKET, BY PRODUCT TYPE

FIGURE 17 WAGONS SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

4.4 ROLLING STOCK MARKET, BY APPLICATION

FIGURE 18 FREIGHT TRANSPORTATION SEGMENT TO REGISTER HIGHER CAGR THAN PASSENGER TRANSPORTATION SEGMENT DURING FORECAST PERIOD

4.5 ROLLING STOCK MARKET, BY LOCOMOTIVE TECHNOLOGY

FIGURE 19 CONVENTIONAL LOCOMOTIVES SEGMENT TO LEADS THE MARKET FROM 2023 TO 2028

5 MARKET OVERVIEW

5.1 INTRODUCTION

TABLE 4 ROLLING STOCK MARKET: IMPACT OF MARKET DYNAMICS

5.2 MARKET DYNAMICS

FIGURE 20 ROLLING STOCK MARKET: MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Increasing push for railway-based public transport to reduce road traffic congestion

FIGURE 21 DRIVING TIME SPENT IN TRAFFIC CONGESTION IN US, 2022

5.2.1.2 Rising need for energy-efficient transport

FIGURE 22 GLOBAL CO₂ EMISSIONS FROM DIFFERENT TRANSPORT SEGMENTS, 2000-2030

5.2.1.3 Increasing demand for comfort and safety

5.2.1.4 Increasing electrification of railway networks

FIGURE 23 ENERGY DEMAND IN RAILWAY INDUSTRY, BY COUNTRY, 2017–2050

5.2.1.5 Growth in rolling stock orders

FIGURE 24 FLEET OF INDIAN LOCOMOTIVE STOCK

5.2.2 RESTRAINTS

5.2.2.1 Refurbishment of existing rolling stock

5.2.2.2 Requirement for significant investments

5.2.3 OPPORTUNITIES

5.2.3.1 Big data applications in rail industry

5.2.3.2 Increase in industrial and mining activities

FIGURE 25 DIFFERENT MODES OF FREIGHT TRANSPORTATION

5.2.3.3 Development of hydrogen fuel cell locomotives

5.2.3.4 Development of battery-operated trains

5.2.3.5 Development of solar-powered trains

5.2.4 CHALLENGES

5.2.4.1 High overhaul and maintenance costs

5.2.4.2 Requirement for high R&D investments

5.3 PRICING ANALYSIS

FIGURE 26 PRICING ANALYSIS BY PRODUCT TYPE

5.4 ECOSYSTEM ANALYSIS

FIGURE 27 ROLLING STOCK MARKET: ECOSYSTEM ANALYSIS

FIGURE 28 ROLLING STOCK MARKET: NEURAL NETWORK

TABLE 5 ROLE OF COMPANIES IN ROLLING STOCK ECOSYSTEM

5.5 MACROECONOMIC INDICATORS

5.5.1 GDP TRENDS AND FORECAST FOR MAJOR ECONOMIES

TABLE 6 GDP TRENDS AND FORECAST, BY MAJOR ECONOMIES, 2018–2026
(USD BILLION)

TABLE 7 REAL GDP GROWTH RATE (ANNUAL PERCENTAGE CHANGE AND FORECAST), BY MAJOR ECONOMIES, 2022–2026

TABLE 8 GDP PER CAPITA TRENDS AND FORECAST, BY MAJOR ECONOMIES, 2022–2026 (USD)

5.6 SUPPLY CHAIN ANALYSIS

FIGURE 29 SUPPLY CHAIN ANALYSIS: ROLLING STOCK MARKET

5.6.1 RAW MATERIAL/COMPONENT SUPPLIERS

5.6.2 ORIGINAL EQUIPMENT MANUFACTURERS

5.6.3 TIER 2 SUPPLIERS

TABLE 9 ROLLING STOCK MARKET: SUPPLY CHAIN STAKEHOLDERS AND THEIR STRATEGIES

5.7 CASE STUDY ANALYSIS

5.7.1 HELPING LEADING FRENCH MULTINATIONAL RAIL TRANSPORT COMPANY WITH LOCALIZATION PROGRAM IN INDIA

FIGURE 30 TECH MAHINDRA SOLUTION OFFERED

5.7.2 EXCAVATION OF BIG ANALOG DATA VALUE: COMPACTRIO & NI INSIGHTCM

5.7.3 GOLINC-M MODULES

5.7.4 INTELLIGENT ASSET MANAGEMENT (IAM)

5.8 PATENT ANALYSIS

TABLE 10 IMPORTANT PATENT REGISTRATIONS RELATED TO ROLLING STOCK MARKET

5.9 TECHNOLOGY ANALYSIS

5.9.1 MAGNETIC LEVITATION (MAGLEV) TRAINS

5.9.1.1 Advantages of maglev trains

5.9.1.2 High-speed railway vs. maglev trains

TABLE 11 HIGH-SPEED RAILWAY VS. MAGLEV RAILWAY SYSTEMS (200-MPH HIGH-SPEED RAILWAY & 250-MPH MAGLEV)

5.9.1.3 Ecological impact of maglev

FIGURE 31 ENERGY CONSUMPTION: ICE TRAIN VS. MAGLEV TRAIN (WATT-HOURS PER SEAT-KM)

FIGURE 32 CO₂ EMISSIONS: ICE VS. MAGLEV TRAINS (GRAMS PER SEAT-KM)

FIGURE 33 FASTEST TRAINS, BY COUNTRY, 2022

5.9.2 ROLLING STOCK REFURBISHMENT

5.9.3 DIGITALIZATION OF RAILWAYS

5.9.4 ARTICULATED AND NON-ARTICULATED TRAINS

TABLE 12 DIFFERENCES BETWEEN ARTICULATED AND NON-ARTICULATED TRAINS

5.9.5 TILTING AND NON-TILTING TRAINS

- 5.9.6 AUTONOMOUS TRAINS
 - TABLE 13 AUTONOMOUS TRAIN TECHNOLOGIES AND THEIR BENEFITS
 - TABLE 14 LEVEL OF AUTONOMY FOR ROLLING STOCK
 - 5.9.7 BIG DATA ANALYTICS AND CLOUD COMPUTING IN ROLLING STOCK
 - 5.9.8 DECARBONIZATION
 - 5.9.9 INTERNET OF TRAINS
 - 5.9.10 ARTIFICIAL INTELLIGENCE IN RAILWAY SECTOR
- 5.10 TARIFF AND REGULATORY LANDSCAPE
 - 5.10.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
 - TABLE 15 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
 - TABLE 16 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
 - TABLE 17 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
 - TABLE 18 REST OF THE WORLD: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
 - 5.11 TRADE ANALYSIS
 - FIGURE 34 US: IMPORT AND EXPORT DATA FOR RAILWAYS AND TRAMWAYS, LOCOMOTIVES, ROLLING STOCK, AND PARTS, 2016–2021 (USD MILLION)
 - FIGURE 35 CHINA: IMPORT AND EXPORT DATA FOR RAILWAYS AND TRAMWAYS, LOCOMOTIVES, ROLLING STOCK, AND PARTS, 2016–2021 (USD MILLION)
 - 5.12 KEY CONFERENCES AND EVENTS IN 2023–2024
 - TABLE 19 ROLLING STOCK MARKET: DETAILED LIST OF CONFERENCES AND EVENTS
 - 5.13 KEY STAKEHOLDERS AND BUYING CRITERIA
 - 5.13.1 KEY STAKEHOLDERS IN BUYING PROCESS
 - FIGURE 36 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS: TOP 3 ROLLING STOCK PRODUCTS
 - TABLE 20 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS: TOP 3 ROLLING STOCK PRODUCTS (%)
 - 5.13.2 BUYING CRITERIA
 - FIGURE 37 KEY BUYING CRITERIA
 - TABLE 21 KEY BUYING CRITERIA
 - 5.14 TRENDS AND DISRUPTIONS IMPACTING ROLLING STOCK MARKET
 - FIGURE 38 TRENDS AND DISRUPTIONS IMPACTING THE MARKET
 - 5.15 ROLLING STOCK MARKET, MARKET SCENARIOS (2023–2028)

5.15.1 MOST LIKELY SCENARIO

TABLE 22 ROLLING STOCK MARKET: MOST LIKELY SCENARIO, BY REGION, 2023–2028 (USD MILLION)

5.15.2 OPTIMISTIC SCENARIO

TABLE 23 ROLLING STOCK MARKET: OPTIMISTIC SCENARIO, BY REGION, 2023–2028 (USD MILLION)

5.15.3 PESSIMISTIC SCENARIO

TABLE 24 ROLLING STOCK MARKET: PESSIMISTIC SCENARIO, BY REGION, 2023–2028 (USD MILLION)

6 ROLLING STOCK MARKET, BY COMPONENT

6.1 INTRODUCTION

6.2 TRAIN CONTROL SYSTEMS

6.3 PANTOGRAPHS

6.4 AXLES

6.5 WHEELSETS

6.6 TRACTION MOTORS

6.7 PASSENGER INFORMATION SYSTEMS

6.8 BRAKES

6.9 AIR CONDITIONING SYSTEMS

6.10 AUXILIARY POWER SYSTEMS

6.11 GEARBOXES

6.12 BAFFLE GEARS

6.13 COUPLERS

7 ROLLING STOCK MARKET, BY LOCOMOTIVE TECHNOLOGY

7.1 INTRODUCTION

FIGURE 39 CONVENTIONAL LOCOMOTIVES SEGMENT TO HOLD LARGER MARKET SHARE THAN TURBOCHARGED LOCOMOTIVES SEGMENT FROM 2023 TO 2028

TABLE 25 ROLLING STOCK MARKET, BY LOCOMOTIVE TECHNOLOGY, 2018–2022 (UNITS)

TABLE 26 ROLLING STOCK MARKET, BY LOCOMOTIVE TECHNOLOGY, 2023–2028 (UNITS)

TABLE 27 ROLLING STOCK MARKET, BY LOCOMOTIVE TECHNOLOGY, 2018–2022 (USD MILLION)

TABLE 28 ROLLING STOCK MARKET, BY LOCOMOTIVE TECHNOLOGY,

2023–2028 (USD MILLION)

7.2 CONVENTIONAL LOCOMOTIVES

7.2.1 INCREASE IN PASSENGER TRANSPORTATION TO DRIVE MARKET
FIGURE 40 ASIA OCEANIA TO HOLD LARGEST MARKET SHARE DURING
FORECAST PERIOD

TABLE 29 CONVENTIONAL LOCOMOTIVES: ROLLING STOCK MARKET, BY
REGION, 2018–2022 (UNITS)

TABLE 30 CONVENTIONAL LOCOMOTIVES: ROLLING STOCK MARKET, BY
REGION, 2023–2028 (UNITS)

TABLE 31 CONVENTIONAL LOCOMOTIVES: ROLLING STOCK MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 32 CONVENTIONAL LOCOMOTIVES: ROLLING STOCK MARKET, BY
REGION, 2023–2028 (USD MILLION)

7.3 TURBOCHARGED LOCOMOTIVES

7.3.1 GOVERNMENT REGULATIONS TO CREATE DEMAND FOR
TURBOCHARGED LOCOMOTIVES

FIGURE 41 NORTH AMERICA TO REGISTER HIGHEST CAGR DURING FORECAST
PERIOD

TABLE 33 TURBOCHARGED LOCOMOTIVES: ROLLING STOCK MARKET, BY
REGION, 2018–2022 (UNITS)

TABLE 34 TURBOCHARGED LOCOMOTIVES: ROLLING STOCK MARKET, BY
REGION, 2023–2028 (UNITS)

TABLE 35 TURBOCHARGED LOCOMOTIVES: ROLLING STOCK MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 36 TURBOCHARGED LOCOMOTIVES: ROLLING STOCK MARKET, BY
REGION, 2023–2028 (USD MILLION)

7.4 MAGLEV LOCOMOTIVES

TABLE 37 COMPARISON BETWEEN CONVENTIONAL HIGH-SPEED RAIL,
MAGLEV, AND HYPERLOOP

7.4.1 TYPES OF MAGLEV LOCOMOTIVES

7.4.1.1 Electromagnetic suspension

7.4.1.2 Electrodynamic suspension

7.4.1.3 Inductrack

7.5 KEY PRIMARY INSIGHTS

8 ROLLING STOCK MARKET, BY PRODUCT TYPE

8.1 INTRODUCTION

FIGURE 42 RISING NEED FOR EFFICIENT, RELIABLE, AND COST-EFFECTIVE

TRANSPORTATION OF GOODS TO CREATE DEMAND FOR WAGONS

TABLE 38 ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 39 ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 40 ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 41 ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

TABLE 42 ROLLING STOCK MODELS, BY COMPANY

8.2 LOCOMOTIVES

8.2.1 RISING ELECTRIFICATION TO INCREASE DEMAND FOR ELECTRIC LOCOMOTIVES

FIGURE 43 DIESEL LOCOMOTIVES SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

TABLE 43 LOCOMOTIVES MARKET, BY TYPE, 2018–2022 (UNITS)

TABLE 44 LOCOMOTIVES MARKET, BY TYPE, 2023–2028 (UNITS)

TABLE 45 LOCOMOTIVES MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 46 LOCOMOTIVES MARKET, BY TYPE, 2023–2028 (USD MILLION)

8.2.2 DIESEL LOCOMOTIVES

8.2.2.1 Rising demand for diesel locomotives in non-electrified tracks to drive segment

TABLE 47 DIESEL LOCOMOTIVES MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 48 DIESEL LOCOMOTIVES MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 49 DIESEL LOCOMOTIVES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 50 DIESEL LOCOMOTIVES MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.3 ELECTRIC LOCOMOTIVES

8.2.3.1 Government investment toward zero emissions and advances in electric locomotive technology to create demand for electric locomotives

TABLE 51 ELECTRIC LOCOMOTIVES MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 52 ELECTRIC LOCOMOTIVES MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 53 ELECTRIC LOCOMOTIVES: ROLLING STOCK MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 54 ELECTRIC LOCOMOTIVES MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.4 ELECTRO-DIESEL LOCOMOTIVES

8.2.4.1 Increasing demand for efficient and environmentally friendly transportation to drive segment

TABLE 55 ELECTRO-DIESEL LOCOMOTIVES MARKET, BY REGION, 2018–2022

(UNITS)

TABLE 56 ELECTRO-DIESEL LOCOMOTIVES MARKET, BY REGION, 2023–2028

(UNITS)

TABLE 57 ELECTRO-DIESEL LOCOMOTIVES MARKET, BY REGION, 2018–2022

(USD MILLION)

TABLE 58 ELECTRO-DIESEL LOCOMOTIVES MARKET, BY REGION, 2023–2028

(USD MILLION)

8.3 RAPID TRANSIT

8.3.1 INCREASING DEMAND FOR PUBLIC TRANSPORTATION TO BOOST SEGMENT

FIGURE 44 EMUS SEGMENT TO LEAD RAPID TRANSIT MARKET DURING FORECAST PERIOD

TABLE 59 RAPID TRANSIT MARKET, BY TYPE, 2018–2022 (UNITS)

TABLE 60 RAPID TRANSIT MARKET, BY TYPE, 2023–2028 (UNITS)

TABLE 61 RAPID TRANSIT MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 62 RAPID TRANSIT MARKET, BY TYPE, 2023–2028 (USD MILLION)

8.3.2 DIESEL MULTIPLE UNITS (DMUS)

8.3.2.1 Non-feasibility of railway electrification in certain areas to drive demand for DMUs

TABLE 63 DIESEL MULTIPLE UNITS MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 64 DIESEL MULTIPLE UNITS MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 65 DIESEL MULTIPLE UNITS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 66 DIESEL MULTIPLE UNITS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3.3 ELECTRIC MULTIPLE UNITS (EMUS)

8.3.3.1 Rising passenger transportation in emerging economies to create demand for EMUs

TABLE 67 ELECTRIC MULTIPLE UNITS MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 68 ELECTRIC MULTIPLE UNITS MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 69 ELECTRIC MULTIPLE UNITS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 70 ELECTRIC MULTIPLE UNITS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3.4 LIGHT RAILS/TRAMS

8.3.4.1 Rising need to reduce road traffic congestion to drive demand for light rails

TABLE 71 LIGHT RAILS/TRAMS MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 72 LIGHT RAILS/TRAMS MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 73 LIGHT RAILS/TRAMS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 74 LIGHT RAILS/TRAMS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3.5 SUBWAYS/METROS

8.3.5.1 Rapid urbanization to create demand for metros

TABLE 75 SUBWAYS/METROS MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 76 SUBWAYS/METROS MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 77 SUBWAYS/METROS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 78 SUBWAYS/METROS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3.6 MONORAILS

8.4 COACHES

8.4.1 NEW TRAIN LAUNCHES TO DRIVE DEMAND FOR COACHES

FIGURE 45 ASIA OCEANIA TO HOLD LARGEST MARKET SHARE IN COACHES SEGMENT DURING FORECAST PERIOD

TABLE 79 COACHES MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 80 COACHES MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 81 COACHES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 82 COACHES MARKET, BY REGION, 2023–2028 (USD MILLION)

8.5 WAGONS

8.5.1 RISING FREIGHT TRANSPORTATION TO PROVIDE GROWTH OPPORTUNITIES

FIGURE 46 NORTH AMERICA TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 83 WAGONS MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 84 WAGONS MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 85 WAGONS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 86 WAGONS MARKET, BY REGION, 2023–2028 (USD MILLION)

8.6 OTHERS

8.6.1 HYPERLOOP – FUTURE OF TRANSPORTATION

8.7 KEY PRIMARY INSIGHTS

9 ROLLING STOCK MARKET, BY APPLICATION

9.1 INTRODUCTION

FIGURE 47 FREIGHT TRANSPORTATION SEGMENT TO HOLD LARGER MARKET SHARE DURING FORECAST PERIOD

TABLE 87 ROLLING STOCK MARKET, BY APPLICATION, 2018–2022 (UNITS)

TABLE 88 ROLLING STOCK MARKET, BY APPLICATION, 2023–2028 (UNITS)

TABLE 89 ROLLING STOCK MARKET, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 90 ROLLING STOCK MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

MILLION)

9.2 PASSENGER TRANSPORTATION

9.2.1 INCREASING URBANIZATION TO DRIVE PASSENGER TRANSPORTATION

FIGURE 48 LOCOMOTIVES TO LEAD PASSENGER TRANSPORTATION SEGMENT FROM 2023 TO 2028

TABLE 91 PASSENGER TRANSPORTATION: ROLLING STOCK MARKET, BY TYPE, 2018–2022 (UNITS)

TABLE 92 PASSENGER TRANSPORTATION: ROLLING STOCK MARKET, BY TYPE, 2023–2028 (UNITS)

TABLE 93 PASSENGER TRANSPORTATION: ROLLING STOCK MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 94 PASSENGER TRANSPORTATION: ROLLING STOCK MARKET, BY TYPE, 2023–2028 (USD MILLION)

9.2.2 LOCOMOTIVES

9.2.2.1 Increasing passenger travel via railways to drive demand for locomotives

TABLE 95 PASSENGER LOCOMOTIVES MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 96 PASSENGER LOCOMOTIVES MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 97 PASSENGER LOCOMOTIVES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 98 PASSENGER LOCOMOTIVES MARKET, BY REGION, 2023–2028 (USD MILLION)

9.2.3 COACHES

9.2.3.1 Preference for rail travel in Asia Oceania to boost demand for passenger coaches

TABLE 99 PASSENGER COACHES MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 100 PASSENGER COACHES MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 101 PASSENGER COACHES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 102 PASSENGER COACHES MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3 FREIGHT TRANSPORTATION

9.3.1 RISE IN TRADE ACTIVITY TO INCREASE DEMAND FOR FREIGHT TRANSPORTATION

FIGURE 49 FREIGHT TRANSPORTATION SERVICES INDEX, JANUARY 2022–FEBRUARY 2023

FIGURE 50 WAGONS TO HOLD LARGER MARKET SHARE IN FREIGHT TRANSPORTATION SEGMENT DURING FORECAST PERIOD

TABLE 103 FREIGHT TRANSPORTATION: ROLLING STOCK MARKET, BY TYPE, 2018–2022 (UNITS)

TABLE 104 FREIGHT TRANSPORTATION: ROLLING STOCK MARKET, BY TYPE, 2023–2028 (UNITS)

TABLE 105 FREIGHT TRANSPORTATION: ROLLING STOCK MARKET, BY TYPE, 2018–2022 (USD MILLION)

TABLE 106 FREIGHT TRANSPORTATION: ROLLING STOCK MARKET, BY TYPE, 2023–2028 (USD MILLION)

9.3.2 LOCOMOTIVES

9.3.2.1 Increasing global trade and e-commerce activities to increase demand for freight locomotives

TABLE 107 FREIGHT LOCOMOTIVES MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 108 FREIGHT LOCOMOTIVES MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 109 FREIGHT LOCOMOTIVES MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 110 FREIGHT LOCOMOTIVES MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3.3 WAGONS

9.3.3.1 Improvements to railway network in Asia Oceania to increase demand for freight wagons

TABLE 111 FREIGHT WAGONS MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 112 FREIGHT WAGONS MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 113 FREIGHT WAGONS MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 114 FREIGHT WAGONS MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4 KEY PRIMARY INSIGHTS

10 ROLLING STOCK MARKET, BY REGION

10.1 INTRODUCTION

FIGURE 51 ASIA OCEANIA TO LEAD MARKET DURING FORECAST PERIOD

TABLE 115 ROLLING STOCK MARKET, BY REGION, 2018–2022 (UNITS)

TABLE 116 ROLLING STOCK MARKET, BY REGION, 2023–2028 (UNITS)

TABLE 117 ROLLING STOCK MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 118 ROLLING STOCK MARKET, BY REGION, 2023–2028 (USD MILLION)

10.2 ASIA OCEANIA

10.2.1 ASIA OCEANIA: RECESSION IMPACT

10.2.2 EXISTING/UPCOMING RAPID TRANSIT PROJECTS IN ASIA OCEANIA

TABLE 119 MAJOR RAPID TRANSIT PROJECTS IN ASIA OCEANIA

10.2.3 UPCOMING LIGHT RAIL PROJECTS IN ASIA OCEANIA

TABLE 120 PROPOSED LIGHT RAIL PROJECTS IN ASIA OCEANIA

10.2.4 UPCOMING HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN ASIA

OCEANIA

TABLE 121 MAJOR LIGHT RAIL PROJECTS IN ASIA OCEANIA

FIGURE 52 ASIA OCEANIA: ROLLING STOCK MARKET SNAPSHOT

TABLE 122 ASIA OCEANIA: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022
(UNITS)

TABLE 123 ASIA OCEANIA: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028
(UNITS)

TABLE 124 ASIA OCEANIA: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022
(USD MILLION)

TABLE 125 ASIA OCEANIA: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028
(USD MILLION)

10.2.5 CHINA

10.2.5.1 Growing investments in railway infrastructure to propel demand for rolling stock

TABLE 126 LIST OF RAILWAY PROJECTS UNDER CHINA BELT AND ROAD PROJECTS

TABLE 127 CHINA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022
(UNITS)

TABLE 128 CHINA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028
(UNITS)

TABLE 129 CHINA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022
(USD MILLION)

TABLE 130 CHINA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028
(USD MILLION)

10.2.6 INDIA

10.2.6.1 Rising investment in high-speed rail and rapid electrification of railway network to drive market

TABLE 131 LIST OF APPROVED METRO, METROLITE, AND METRO NEO PROJECTS IN INDIA

FIGURE 53 INDIAN RAILWAY REVENUE BREAKDOWN, BY SEGMENT, 2022

TABLE 132 INDIA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022
(UNITS)

TABLE 133 INDIA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028
(UNITS)

TABLE 134 INDIA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022
(USD MILLION)

TABLE 135 INDIA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028
(USD MILLION)

10.2.7 JAPAN

10.2.7.1 Growing procurement of rolling stock to propel market growth

TABLE 136 JAPAN: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 137 JAPAN: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 138 JAPAN: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 139 JAPAN: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.2.8 SOUTH KOREA

10.2.8.1 Development of new railway lines to fuel demand for rolling stock

TABLE 140 SOUTH KOREA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 141 SOUTH KOREA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 142 SOUTH KOREA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 143 SOUTH KOREA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.2.9 AUSTRALIA

10.2.10 MALAYSIA

10.3 EUROPE

10.3.1 EUROPE: RECESSION IMPACT

10.3.2 UPCOMING METRO/MONORAIL PROJECTS IN EUROPE

TABLE 144 MAJOR METRO/MONORAIL PROJECTS IN EUROPE

10.3.3 UPCOMING HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN EUROPE

TABLE 145 PROPOSED HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN EUROPE

10.3.4 UPCOMING RAPID TRANSIT PROJECTS IN EUROPE

TABLE 146 MAJOR RAPID TRANSIT PROJECTS IN EUROPE

FIGURE 54 EUROPE: ROLLING STOCK MARKET SNAPSHOT

TABLE 147 EUROPE: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022 (UNITS)

TABLE 148 EUROPE: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028 (UNITS)

TABLE 149 EUROPE: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 150 EUROPE: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.3.5 GERMANY

10.3.5.1 Upgrades to railway infrastructure to drive market

TABLE 151 GERMANY: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 152 GERMANY: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 153 GERMANY: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 154 GERMANY: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.3.6 FRANCE

10.3.6.1 Growing need for public transportation and rising demand for high-speed rail to impact market positively

TABLE 155 FRANCE: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 156 FRANCE: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 157 FRANCE: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 158 FRANCE: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.3.7 UK

10.3.7.1 Modernization and expansion of rail networks to create demand for rolling stock

TABLE 159 UK: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 160 UK: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 161 UK: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 162 UK: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.3.8 ITALY

10.3.8.1 Increasing modernization and expansion of existing railway network to drive demand for rolling stock

TABLE 163 ITALY: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 164 ITALY: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 165 ITALY: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022

(USD MILLION)

TABLE 166 ITALY: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028

(USD MILLION)

10.3.9 SPAIN

10.3.9.1 Increasing high-speed rail network and presence of reputed rolling stock manufacturers to drive market

TABLE 167 POPULAR ROUTE IN SPAIN, 2022

TABLE 168 SPAIN: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022

(UNITS)

TABLE 169 SPAIN: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028

(UNITS)

TABLE 170 SPAIN: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022

(USD MILLION)

TABLE 171 SPAIN: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028

(USD MILLION)

10.3.10 SWITZERLAND

10.3.11 AUSTRIA

10.3.12 SWEDEN

10.4 NORTH AMERICA

10.4.1 NORTH AMERICA: RECESSION IMPACT

10.4.2 UPCOMING HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN NORTH AMERICA

TABLE 172 MAJOR HIGH-SPEED RAIL/BULLET TRAIN PROJECTS IN NORTH AMERICA

10.4.3 UPCOMING RAPID TRANSIT PROJECTS IN NORTH AMERICA

TABLE 173 MAJOR RAPID TRANSIT PROJECTS IN NORTH AMERICA

FIGURE 55 NORTH AMERICA: ROLLING STOCK MARKET SNAPSHOT

TABLE 174 NORTH AMERICA: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022 (UNITS)

TABLE 175 NORTH AMERICA: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028 (UNITS)

TABLE 176 NORTH AMERICA: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 177 NORTH AMERICA: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.4.4 US

10.4.4.1 Demand for electric locomotives and transition to Tier 4 emission requirements to drive market

TABLE 178 US: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022

(UNITS)

TABLE 179 US: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028

(UNITS)

TABLE 180 US: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 181 US: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.4.5 MEXICO

10.4.5.1 Growing demand for railroad wagons to drive market

TABLE 182 MEXICO: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 183 MEXICO: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 184 MEXICO: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 185 MEXICO: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.4.6 CANADA

10.4.6.1 Rising passenger and freight transportation to increase demand for rolling stock

TABLE 186 CANADA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 187 CANADA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 188 CANADA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 189 CANADA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.5 MIDDLE EAST & AFRICA

10.5.1 MIDDLE EAST & AFRICA: RECESSION IMPACT

FIGURE 56 UAE TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

10.5.2 UPCOMING METRO/MONORAIL PROJECTS IN MIDDLE EAST & AFRICA

TABLE 190 PROPOSED METRO/MONORAIL PROJECTS IN MIDDLE EAST & AFRICA

10.5.3 UPCOMING RAPID TRANSIT PROJECTS IN MIDDLE EAST & AFRICA

TABLE 191 PROPOSED RAPID TRANSIT PROJECTS IN MIDDLE EAST & AFRICA

TABLE 192 MIDDLE EAST & AFRICA: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022 (UNITS)

TABLE 193 MIDDLE EAST & AFRICA: ROLLING STOCK MARKET, BY COUNTRY,

2023–2028 (UNITS)

TABLE 194 MIDDLE EAST & AFRICA: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 195 MIDDLE EAST & AFRICA: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.5.4 SOUTH AFRICA

10.5.4.1 Increasing urbanization to boost rolling stock market

TABLE 196 SOUTH AFRICA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 197 SOUTH AFRICA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 198 SOUTH AFRICA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 199 SOUTH AFRICA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.5.5 UAE

10.5.5.1 Rising tourism industry and increased investment in rapid transit projects to proliferate demand for rolling stock

TABLE 200 UAE: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 201 UAE: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 202 UAE: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 203 UAE: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.5.6 EGYPT

10.5.6.1 Investment and growth in tourism industry to drive market

TABLE 204 EGYPT: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 205 EGYPT: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 206 EGYPT: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 207 EGYPT: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.5.7 IRAN

10.6 REST OF THE WORLD

FIGURE 57 RUSSIA TO HOLD PROMINENT MARKET SHARE DURING FORECAST

PERIOD

10.6.1 UPCOMING METRO/MONORAIL PROJECTS IN REST OF THE WORLD

TABLE 208 MAJOR METRO/MONORAIL PROJECTS IN REST OF THE WORLD

TABLE 209 REST OF THE WORLD: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022 (UNITS)

TABLE 210 REST OF THE WORLD: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028 (UNITS)

TABLE 211 REST OF THE WORLD: ROLLING STOCK MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 212 REST OF THE WORLD: ROLLING STOCK MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.6.2 BRAZIL

10.6.2.1 Growing demand for electro-diesel locomotives to drive market

TABLE 213 BRAZIL: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 214 BRAZIL: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 215 BRAZIL: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 216 BRAZIL: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.6.3 RUSSIA

10.6.3.1 Growth in freight transportation to drive demand for wagons

TABLE 217 RUSSIA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (UNITS)

TABLE 218 RUSSIA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (UNITS)

TABLE 219 RUSSIA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2018–2022 (USD MILLION)

TABLE 220 RUSSIA: ROLLING STOCK MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

10.6.4 ARGENTINA

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 MARKET SHARE ANALYSIS FOR ROLLING STOCK MARKET

TABLE 221 MARKET SHARE ANALYSIS, 2022

FIGURE 58 MARKET SHARE ANALYSIS, 2022

11.2.1 CRRC CORPORATION LIMITED

11.2.2 ALSTOM SA

11.2.3 SIEMENS AG

11.2.4 STADLER RAIL AG

11.2.5 WABTEC CORPORATION

11.3 STRATEGIES ADOPTED BY KEY PLAYERS, 2019–2023

TABLE 222 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN ROLLING STOCK MARKET

11.4 REVENUE ANALYSIS OF TOP PLAYERS, 2018–2022

FIGURE 59 TOP PUBLIC/LISTED PLAYERS DOMINATING ROLLING STOCK MARKET DURING LAST 5 YEARS

11.5 COMPETITIVE SCENARIO

11.5.1 PRODUCT LAUNCHES

TABLE 223 PRODUCT LAUNCHES, 2020–2023

11.5.2 DEALS

TABLE 224 DEALS, 2021–2023

11.5.3 OTHERS

TABLE 225 OTHERS, 2021–2023

11.6 COMPANY EVALUATION QUADRANT

11.6.1 STARS

11.6.2 PERVASIVE PLAYERS

11.6.3 EMERGING LEADERS

11.6.4 PARTICIPANTS

FIGURE 60 ROLLING STOCK MARKET: COMPANY EVALUATION QUADRANT, 2022

TABLE 226 ROLLING STOCK MARKET: COMPANY REGION FOOTPRINT, 2022

TABLE 227 ROLLING STOCK MARKET: COMPANY OFFERING TYPE FOOTPRINT, 2022

TABLE 228 ROLLING STOCK MARKET: COMPANY OFFERING & GEOGRAPHIC FOOTPRINT, 2022

11.7 START-UP/SME EVALUATION QUADRANT

11.7.1 PROGRESSIVE COMPANIES

11.7.2 RESPONSIVE COMPANIES

11.7.3 DYNAMIC COMPANIES

11.7.4 STARTING BLOCKS

FIGURE 61 ROLLING STOCK MARKET: START-UP/SME EVALUATION QUADRANT, 2022

TABLE 229 ROLLING STOCK MARKET: START-UP/SME REGION FOOTPRINT, 2022

TABLE 230 ROLLING STOCK MARKET: START-UP/SME OFFERING TYPE

FOOTPRINT, 2022

TABLE 231 ROLLING STOCK MARKET: START-UP/SME OFFERING &
GEOGRAPHIC FOOTPRINT, 2022

12 COMPANY PROFILES

(Business overview, Products offered, Recent developments & MnM View)*

12.1 KEY PLAYERS

12.1.1 CRRC CORPORATION LIMITED (CRRC)

TABLE 232 CRRC CORPORATION LIMITED: BUSINESS OVERVIEW

FIGURE 62 CRRC CORPORATION LIMITED: COMPANY SNAPSHOT

TABLE 233 CRRC CORPORATION LIMITED: PRODUCTS OFFERED

TABLE 234 CRRC CORPORATION LIMITED: NEW PRODUCT DEVELOPMENTS

TABLE 235 CRRC CORPORATION LIMITED: DEALS

12.1.2 ALSTOM SA

TABLE 236 ALSTOM SA: BUSINESS OVERVIEW

FIGURE 63 ALSTOM SA: COMPANY SNAPSHOT

FIGURE 64 ALSTOM NEW BUSINESS OPPORTUNITY SPACE

TABLE 237 ALSTOM SA: PRODUCTS OFFERED

TABLE 238 ALSTOM SA: NEW PRODUCT DEVELOPMENTS

TABLE 239 ALSTOM SA: DEALS

TABLE 240 ALSTOM SA: OTHERS

12.1.3 SIEMENS AG

TABLE 241 SIEMENS AG: BUSINESS OVERVIEW

FIGURE 65 SIEMENS AG: COMPANY SNAPSHOT

TABLE 242 SIEMENS AG: PRODUCTS OFFERED

TABLE 243 SIEMENS AG: NEW PRODUCT DEVELOPMENTS

TABLE 244 SIEMENS AG: DEALS

TABLE 245 SIEMENS AG: OTHERS

12.1.4 STADLER RAIL AG

TABLE 246 STADLER RAIL AG: BUSINESS OVERVIEW

FIGURE 66 STADLER RAIL AG: COMPANY SNAPSHOT

FIGURE 67 STADLER RAIL AG: FUTURE STRATEGY OVERVIEW

TABLE 247 STADLER RAIL AG: PRODUCTS OFFERED

TABLE 248 STADLER RAIL AG: DEALS

TABLE 249 STADLER RAIL AG: OTHERS

12.1.5 WABTEC CORPORATION

TABLE 250 WABTEC CORPORATION: BUSINESS OVERVIEW

FIGURE 68 WABTEC CORPORATION: COMPANY SNAPSHOT

FIGURE 69 WABTEC CORPORATION NORTH AMERICA LOCOMOTIVES MARKET SNAPSHOT

TABLE 251 WABTEC CORPORATION: PRODUCTS OFFERED

TABLE 252 WABTEC CORPORATION: NEW PRODUCT DEVELOPMENTS

TABLE 253 WABTEC CORPORATION: DEALS

TABLE 254 WABTEC CORPORATION: OTHERS

12.1.6 KAWASAKI HEAVY INDUSTRIES, LTD.

TABLE 255 KAWASAKI HEAVY INDUSTRIES, LTD.: BUSINESS OVERVIEW

FIGURE 70 KAWASAKI HEAVY INDUSTRIES, LTD.: COMPANY SNAPSHOT

TABLE 256 KAWASAKI HEAVY INDUSTRIES, LTD.: PRODUCTS OFFERED

TABLE 257 KAWASAKI HEAVY INDUSTRIES, LTD.: NEW PRODUCT DEVELOPMENTS

TABLE 258 KAWASAKI HEAVY INDUSTRIES, LTD.: DEALS

12.1.7 CAF GROUP

TABLE 259 CAF GROUP: BUSINESS OVERVIEW

FIGURE 71 CAF GROUP: COMPANY SNAPSHOT

TABLE 260 CAF GROUP: PRODUCTS OFFERED

TABLE 261 CAF GROUP: DEALS

12.1.8 HYUNDAI ROTEM COMPANY

TABLE 262 HYUNDAI ROTEM COMPANY: BUSINESS OVERVIEW

FIGURE 72 HYUNDAI ROTEM COMPANY: COMPANY SNAPSHOT

TABLE 263 HYUNDAI ROTEM COMPANY: PRODUCTS OFFERED

TABLE 264 HYUNDAI ROTEM COMPANY: DEALS

12.1.9 MITSUBISHI HEAVY INDUSTRIES, LTD.

TABLE 265 MITSUBISHI HEAVY INDUSTRIES, LTD.: BUSINESS OVERVIEW

FIGURE 73 MITSUBISHI HEAVY INDUSTRIES, LTD.: COMPANY SNAPSHOT

TABLE 266 MITSUBISHI HEAVY INDUSTRIES, LTD.: PRODUCTS OFFERED

TABLE 267 MITSUBISHI HEAVY INDUSTRIES, LTD.: DEALS

TABLE 268 MITSUBISHI HEAVY INDUSTRIES, LTD.: OTHERS

12.1.10 TALGO

TABLE 269 TALGO: BUSINESS OVERVIEW

FIGURE 74 TALGO: COMPANY SNAPSHOT

TABLE 270 TALGO: PRODUCTS OFFERED

TABLE 271 TALGO: DEALS

12.1.11 TRANSMASHHOLDING

TABLE 272 TRANSMASHHOLDING: BUSINESS OVERVIEW

TABLE 273 TRANSMASHHOLDING: PRODUCTS OFFERED

TABLE 274 TRANSMASHHOLDING: NEW PRODUCT DEVELOPMENTS

TABLE 275 TRANSMASHHOLDING: DEALS

TABLE 276 TRANSMASHHOLDING: OTHERS

12.1.12 TITAGARH WAGONS LIMITED

TABLE 277 TITAGARH WAGONS LIMITED: BUSINESS OVERVIEW

FIGURE 75 TITAGARH WAGONS LIMITED: COMPANY SNAPSHOT

TABLE 278 TITAGARH WAGONS LIMITED: PRODUCTS OFFERED

TABLE 279 TITAGARH WAGONS LIMITED: NEW PRODUCT DEVELOPMENTS

TABLE 280 TITAGARH WAGONS LIMITED: DEALS

*Details on Business overview, Products offered, Recent developments & MnM View might not be captured in case of unlisted companies.

12.2 OTHER PLAYERS

12.2.1 TOSHIBA

TABLE 281 TOSHIBA: BUSINESS OVERVIEW

12.2.2 HITACHI RAIL LIMITED

TABLE 282 HITACHI RAIL LIMITED: BUSINESS OVERVIEW

12.2.3 CHITTARANJAN LOCOMOTIVE WORKS (CLW)

TABLE 283 CHITTARANJAN LOCOMOTIVE WORKS (CLW): BUSINESS OVERVIEW

12.2.4 NIIGATA ENGINEERING CO., LTD.

TABLE 284 NIIGATA ENGINEERING CO., LTD.: BUSINESS OVERVIEW

12.2.5 SCOMI GROUP BHD

TABLE 285 SCOMI GROUP BHD: BUSINESS OVERVIEW

12.2.6 WOOJIN INDUSTRIAL SYSTEMS

TABLE 286 WOOJIN INDUSTRIAL SYSTEMS: BUSINESS OVERVIEW

12.2.7 ABB

TABLE 287 ABB: BUSINESS OVERVIEW

12.2.8 STRUKTON

TABLE 288 STRUKTON: BUSINESS OVERVIEW

12.2.9 LEGIOS

TABLE 289 LEGIOS: BUSINESS OVERVIEW

12.2.10 DEUTA-WERKE GMBH

TABLE 290 DEUTA-WERKE GMBH: BUSINESS OVERVIEW

12.2.11 THALES GROUP

TABLE 291 THALES GROUP: BUSINESS OVERVIEW

12.2.12 DEUTSCHE BAHN AG

TABLE 292 DEUTSCHE BAHN AG: BUSINESS OVERVIEW

12.2.13 LAMIFIL

TABLE 293 LAMIFIL: BUSINESS OVERVIEW

12.2.14 RHOMBERG SERSA RAIL HOLDING GMBH

TABLE 294 RHOMBERG SERSA RAIL HOLDING GMBH: BUSINESS OVERVIEW

12.2.15 BALFOUR BEATTY

TABLE 295 BALFOUR BEATTY: BUSINESS OVERVIEW

12.2.16 INTAMIN BAHNTECHNIK UND BETRIEBS-MBH & CO. KG

TABLE 296 INTAMIN BAHNTECHNIK UND BETRIEBS-MBH & CO. KG: BUSINESS OVERVIEW

12.2.17 AMERICAN EQUIPMENT COMPANY

TABLE 297 AMERICAN EQUIPMENT COMPANY: BUSINESS OVERVIEW

12.2.18 INGETEAM CORPORACI?N, S.A.

TABLE 298 INGETEAM CORPORACI?N, S.A.: BUSINESS OVERVIEW

12.2.19 CALAMP

TABLE 299 CALAMP: BUSINESS OVERVIEW

12.2.20 URBANAUT MONORAIL TECHNOLOGY

TABLE 300 URBANAUT MONORAIL TECHNOLOGY: BUSINESS OVERVIEW

12.2.21 UGL

TABLE 301 UGL: BUSINESS OVERVIEW

12.2.22 RANDON

TABLE 302 RANDON: BUSINESS OVERVIEW

12.2.23 SINARA TRANSPORT MACHINES

TABLE 303 SINARA TRANSPORT MACHINES: BUSINESS OVERVIEW

12.2.24 ALUCAST IRAN

TABLE 304 ALUCAST IRAN: BUSINESS OVERVIEW

12.2.25 TRINITY INDUSTRIES, INC.

TABLE 305 TRINITY INDUSTRIES, INC.: BUSINESS OVERVIEW

12.2.26 THE GREENBRIER COMPANIES

TABLE 306 THE GREENBRIER COMPANIES: BUSINESS OVERVIEW

12.2.27 BEML LIMITED

TABLE 307 BEML LIMITED: BUSINESS OVERVIEW

12.2.28 BRAITHWAITE & CO. (INDIA) LTD.

TABLE 308 BRAITHWAITE & CO. (INDIA) LTD: BUSINESS OVERVIEW

12.2.29 DAWONSY CO., LTD.

TABLE 309 DAWONSY CO., LTD.: BUSINESS OVERVIEW

13 RECOMMENDATIONS BY MARKETSDANDMARKETS

13.1 ASIA OCEANIA EXPECTED TO BE PROMINENT MARKET FOR ROLLING STOCK GLOBALLY

13.2 RISING NEED FOR FREIGHT TRANSPORTATION TO DRIVE DEMAND FOR WAGONS

13.3 GROWING NEED FOR FAST AND EFFICIENT URBAN TRANSPORTATION TO DRIVE DEMAND FOR SUBWAYS/METROS

13.4 CONCLUSION

14 APPENDIX

14.1 KEY INSIGHTS FROM INDUSTRY EXPERTS

14.2 DISCUSSION GUIDE

14.3 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.4 CUSTOMIZATION OPTIONS

14.5 RELATED REPORTS

14.6 AUTHOR DETAILS

I would like to order

Product name: Rolling Stock Market by Component Product Type (Locomotive, Rapid Transit, & Coach), Locomotive Technology (Conventional, Turbocharged, & Maglev), Application (Passenger Transportation & Freight transportation) & Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/RFB2397CCE0EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/RFB2397CCE0EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970