

HIGH GROWTH URBAN RAIL MARKETS REPORT

Opportunities for Contractors, Technology Providers, Suppliers and Investors

The urban rail market (metro rail/subway/rapid transit, light rail/tram/streetcar, and commuter rail/suburban rail) is poised for growth. Investments in the segment are being driven by an increasing awareness among city authorities and transport agencies that an efficient public transport system, including an urban rail system, is critical for the competitiveness of a city. Cities are looking at developing highly efficient and reliable urban rail systems, which means that there are construction opportunities as well as opportunities for equipment and technology providers. In the past few years, transport authorities/transit agencies have developed focused plans and city governments have introduced policy initiatives to stimulate investor interest. These industry and market forces are presenting sizeable business opportunities in the urban rail segment in both emerging and mature markets.

While opportunities exist, business leaders and investors are often faced with the tough challenge of which markets to focus on and where to invest. The recently launched "High Growth Urban Rail Markets" report analyses the top 25 markets with high growth potential in the urban rail segment. The report presents investment and expansion plans for urban rail networks in the top 25 markets (countries), and highlights business opportunities for contractors, investors, private operators, technology suppliers and consultants.

The report analyses the recent developments and drivers that will shape the future of these markets. It presents projections for the coming decade and highlights the broad outlook for these markets. It also presents a list of key upcoming (planned and proposed) urban rail projects in these markets.

The report has seven distinct sections.

- ❖ Introduction
- ❖ Industry dynamics and market forces
- ❖ Forecast and outlook
- ❖ Expected or planned investment in urban rail projects
- ❖ Emerging opportunities and prospects
- ❖ Key projects across high growth markets
- ❖ Market profiles (top 25 countries)

Each market profile provides data and analysis on:

- Developers
- Key transit agencies/operators
- Industry and regulatory structure
- Investment estimates and projections
- Network development and expansion plans
- Funding and financing
- Key projects and current status
- Expected ridership
- Emerging opportunities for operators, EPC contractors, rolling stock suppliers, railway system suppliers (signalling, fare systems, tracks, etc.) and consultants
- Analysis of upcoming projects by type
 - Introduction
 - Metrorail/subway/rapid transit/light metro projects

- Light rail/streetcar/tram projects
- Monorail/APM/ARL/other projects
- Commuter rail/suburban rail

- Analysis of upcoming projects by status
 - Projects under planning
 - Projects under construction
 - Projects under procurement
 - Modernisation projects under way
- Analysis of projects by expected completion
 - Projects expected to be completed by 2025
 - Projects expected to be completed between 2025 and 2030
 - Projects expected to be completed beyond 2035
- Expected investments in rolling stock, fare systems and technology
 - Expected investment in rolling stock
 - Expected investment in fare systems
 - Expected investment in signalling and communications technology
- Recent developments and trends
- Risks and challenges
- Outlook

The report is priced at USD5,500.

The report will be released by end of October 2019.

To order the report, please contact:

For Americas and Europe

Yasmeen Chopra

Mobile: +1 905 228 6419

Email: yasmeen.chopra@globalmasstransit.net

For Asia Pacific and Middle East and Africa

Ishant Deewan

Mobile: +91 964 303 4168

Email: ishant.deewan@globalmasstransit.net

Website: www.globalmasstransit.net

Table of Contents

1. INTRODUCTION

- 1.1 Summary
- 1.2 High growth urban rail markets and rationale for their selection

2. INDUSTRY DYNAMICS AND MARKET FORCES

- 2.1 Recent developments and trends shaping the future of these markets
- 2.2 Sustaining the growth over the next decade - key drivers

3. FORECAST AND OUTLOOK

- 3.1 Expected growth in urban rail network
- 3.2 Expected growth in station development
- 3.3 Expected demand for rolling stock, signalling and fare system
- 3.4 Issues, challenges and outlook

4. EXPECTED OR PLANNED INVESTMENT IN URBAN RAIL PROJECTS

- 4.1 Summary
- 4.2 Expected investment in new build projects
- 4.3 Expected investment in network expansion
- 4.4 Expected investment in rolling stock
- 4.5 Expected investment in signalling systems
- 4.6 Expected investment in fare systems

5. EMERGING OPPORTUNITIES AND PROSPECTS

- 5.1 Opportunities for EPC contractors
- 5.2 Opportunities for private operators
- 5.3 Opportunities for rolling stock suppliers
- 5.4 Opportunities for railway system suppliers (signalling, fare system, etc)
- 5.5 Opportunities for consultants

6. KEY PROJECTS IN HIGH GROWTH MARKETS

7. MARKET PROFILES (FOR 25 COUNTRIES)

Each market profile provides data and analysis on:

- Developers
- Key transit agencies/operators
- Industry and regulatory structure
- Investment estimates and projections
- Network development and expansion plans
- Funding and financing
- Key projects and current status
- Expected ridership
- Emerging opportunities for operators, EPC contractors, rolling stock suppliers, railway system suppliers (signalling, fare systems, tracks, etc.) and consultants

- Analysis of upcoming projects by type
 - o Introduction
 - o Metrorail/subway/rapid transit/light metro projects
 - o Light rail/streetcar/tram projects
 - o Monorail/APM/ARL/Other projects
 - o Commuter rail/suburban rail
- Analysis of upcoming projects by status
 - o Projects under planning
 - o Projects under construction
 - o Projects under procurement
 - o Modernisation projects under way
- Analysis of projects by expected completion
 - o Projects expected to be completed by 2025
 - o Projects expected to be completed between 2025 and 2030
 - o Projects expected to be completed beyond 2035
- Expected investments in rolling stock, fare systems and technology
 - o Expected investment in rolling stock
 - o Expected investment in fare systems
 - o Expected investment in signalling and communications technology
- Recent developments and trends
- Risks and challenges
- Outlook

Sources and Methodology

Global Mass Transit Research's industry analysts have used various primary and secondary sources in preparing this report.

Primary sources include data and statistics obtained through interactions over the telephone and through emails.

Extensive secondary research has also been conducted by the industry analysts. These secondary sources include, but are not limited to: websites of developers and operators; annual reports; investor presentations; analyst reports; government documents, plans and statistical databases; websites of relevant ministries and regulators; websites of relevant industry associations; internal and external proprietary databases; and news articles and press reports. Wherever applicable, all research sources have been cited appropriately in the report.

The finding of these primary and secondary sources, combined with our industry expertise, have been synthesised into the qualitative and quantitative analyses presented in this report.

Great care has been taken to ensure that the analysis presented in this report is well supported by facts. Where facts were not available and assumptions were made, we have listed our assumptions.

Global Mass Transit Research takes every possible care to provide information using resources it believes are most accurate and reliable. It, however, shall not be liable for losses or consequences, if any, arising from the use of the information contained in the document.

About the Publishers

Global Mass Transit Research is a leading provider of information and analysis on the global mass transit industry. It publishes the **Global Mass Transit Report** (a monthly newsletter) and **Global Mass Transit Weekly** (a weekly update). It also operates the www.globalmasstransit.net website.

Through these products, it provides information on all key developments, trends and issues in the sector; tracks major projects, contracts and investments; profiles leading mass transit authorities/operators and discusses their strategies; reports on regulatory initiatives and examines their implementation; provides the latest available data and statistics; and features views and perspectives of experts and top industry players.

Our Clients

Our clients include leading global organisations such as Accenture, Acciona Infrastructures, Acciona Ingeniería, AECOM, Agence métropolitaine de transport (AMT), Ansaldo STS, AnsaldoBreda SPA, Arriva PLC, Ashok Leyland, Automatic Systems, BAE Systems, Bombardier Transportation, CAF, Central Institute of Road Transport (India), Citadel Capital, City Group Co. K.S.C., CJSC Transmashholdings, Clever Devices, Confidex Ltd, Corredor Insurgentes SA de CV (CISA), DB Stadtverkehr GmbH, Emco Wheaton, Enthoven Associates, Epsilon Delta Pty Ltd, European Bank for Reconstruction and Development, EvoBus GmbH, GFI Genfare, Giesecke & Devrient GmbH, Halcrow International Partnership, Harrington-Hughes & Associates, Höft & Wessel AG, HOK, HÜBNER GmbH & Co. KG, IE Singapore, IMG Consulting, INIT AG, Institute of Transport and Logistics Studies (ITLS), IVU Traffic Technologies AG, Keolis, Knorr-Bremse SFS GmbH, Korea Smart Card, KPMG, L&T Metro Rail (Hyderabad) Limited, Land Transport Authority, Luminator, Lumiplan, Metropolitana Milanese SpA, Mobitec, Nokia, Nomad Digital, NXP Semiconductors, Opentide Korea, OTN Systems, Parker Hannifin Corporation, Pöyry PLC, Pradonet Sdn Bhd, PricewaterhouseCoopers, Public Transport Services (Adelaide Metro), Qnamic AG, RATP, Ringrollers a division of DCD DORBYL (Pty) Ltd., Rogers Corporation, Roland Berger Strategy Consultants, SAHA International, Selectron Systems AG, Selex ES - A Finmeccanica Company, Serco, Sesame, Siemens, SNC-Lavalin, Sojitz Corporation, Solaris Bus & Coach SA, Swissrail, Tait Radio Communications, Tata Realty and Infrastructure Limited, TCRP International Transit Studies Program, Technatomy Corporation, TEMSA Europe NV, Thales Rail Signalling Solutions, Thetis SpA, Traktionssysteme Austria, Transit Systems, Trapeze Group, TE Connectivity, Unipart Rail, Urban Mass transit, VDV eTicket Service GmbH & Co. KG, Veolia Transdev, Volvo Bus Corporation, Vossloh España, S.A., Wilson Ihrig & Associates, WorleyParsons, ZF Friedrichshafen AG, etc.

Order Form

Report	Price on or before September 13, 2019	Price on or before October 14, 2019	Price after October 14, 2019
High Growth Urban Rail Markets Report	USD4,125	USD4,813	USD5,500

Name (Block Letters) _____

Designation _____

Company _____

Mailing Address _____

Telephone _____ Mobile _____

Fax _____

E-mail _____

Payment Options

1. Credit card:

- a) **Visa/MasterCard:** To make payments with Visa/MasterCard, please visit http://www.globalmasstransit.net/report_shopping_cart.php
- b) **American Express:** To make payments with American Express card, please visit http://www.globalmasstransit.net/amex_form_report.doc
Please download the AmEx authorisation form from the above link and email the completed form to report@globalmasstransit.net

All credit card payments will be subject to standard credit card charges.

2. Wire transfer:

Beneficiary : India Infrastructure Publishing Private Limited
Bank Name : The Hongkong and Shanghai Banking Corporation Ltd
Bank Address : R-47, Greater Kailash-1, New Delhi-110048, India
Account No. : 094179587002
Swift Code : HSBCINBB

Global Mass Transit is a division of India Infrastructure Publishing Private Limited.

Terms and conditions:

Full payment must be received prior to the purchase. The exchange rate prevailing at the time of purchase will be applicable.

Contact Details

For Americas and Europe

Yasmeen Chopra
Mobile: +1 905 228 6419
Email: yasmeen.chopra@globalmasstransit.net

For Asia Pacific and Middle East and Africa

Ishant Deewan
Mobile: +91 964 303 4168
Email: ishant.deewan@globalmasstransit.net