



GLOBAL 1,000 UPCOMING RAIL PROJECTS REPORT & DATABASE 2022-2036

Opportunities for Developers, Contractors and Suppliers

Global Mass Transit has released the latest edition of **Global 1,000 Upcoming Rail Projects Report & Database 2022-2036**, which tracks **1,000 new and upcoming rail projects in around 90 countries across the world.**

The report includes 2 distinct sections.

Part 1 includes a PPT (converted to PDF document) that provides an analysis of the opportunities in terms of geographic region (North America, Latin America, Europe, Asia Pacific, Middle East and Africa), mode (light rail, tram, monorail, automated people mover, metrorail, subway, rapid transit, airport rail link, commuter rail, passenger rail), development stage (planned, under procurement, under construction, or modernisation underway), alignment (elevated, underground, at-grade), expected completion (by 2026, between 2027-2031, beyond 2031), cost (less than USD500 million, between USD500 million and USD1 billion, between USD1 billion and USD2 billion, over USD2 billion), railway infrastructure systems (fare system, rolling stock, signaling and communications technology, and track and power), type of developer (PPPs, government funding, multilateral funding), planned investment, and market opportunities (consulting, construction, supply of rolling stock, railway systems, fare systems, and signalling).

It also provides information on investment trends and new funding sources, impact of COVID-19 on upcoming projects, growth drivers, key high investment projects, recent developments, and risks and challenges.

Part 2 includes an MS Excel database organised into six regions: North America, Latin America, Asia, Europe, Middle East and Africa. It provides detailed and up-to-date information on each project, with separate Excel workbooks for each of the six geographic regions.

Each project profile in the MS excel database provides information on:

Developer/operator	Station locations	Expected ridership
Transport mode (metrorail/ MRT/ rapid transit/ subway/ light metro/ light rail/ streetcar/ tram/ monorail/ APM/ ARL/ commuter rail/ suburban rail/ HSR)	Planned service frequency	Planned fare system (type and integration)- plans, contract awards, upcoming procurements
Project type	Expected opening	Planned rolling stock- plans, contract awards, upcoming procurements
Network length	Project cost	Planned signalling technology- plans, contract awards, upcoming procurements
Alignment (underground/elevated/at-grade)	Sources of funds	Planned track and power- plans, contract awards, upcoming procurements
Route	Current stage of the project (under planning, under construction, under procurement, modernisation underway)	Additional information
No. of stations	Details of the current stage of the project	Key contact person for the project
Elevated and underground stations	Key contractors and consultants	
	Connections with other public transport modes	

The report is useful to organisations interested in the railway sector-government agencies, transport authorities, operators, service and technology providers, equipment manufacturers and suppliers, EPC contractors, investors/lenders, research organisations, industry consultants, regulatory agencies, development institutions, etc. The report was released in January 2022.

The report is priced at USD 5,400. As a special offer for Public Transport Authorities/Agencies, the database is priced at USD 4,800.

For further inquiries, please contact:

Yasmeen Chopra

Mobile: +1 905 228 6419 | Email: yasmeen.chopra@globalmasstransit.net | Website: www.globalmasstransit.net

Table of Contents

PART 1 ANALYSIS OF GLOBAL RAIL PROJECTS

1.1	Overview	8	1.6.3	Projects expected to be completed between 2027 and 2031	40
1.2	Analysis of projects by region		1.6.4	Projects expected to be completed beyond 2031	51
1.2.1	Introduction	12	1.7	Analysis of projects by cost	
1.2.2	Projects in North America	13	1.7.1	Introduction	53
1.2.3	Projects in Latin America	15	1.7.2	Projects with costs less than USD500 million	54
1.2.4	Projects in Asia Pacific	17	1.7.3	Projects with costs between USD500 million and USD1 billion	55
1.2.5	Projects in Europe	19	1.7.4	Projects with costs between USD1 billion and USD2 billion	56
1.2.6	Projects in Middle East	21	1.7.5	Projects with costs over USD2 billion	57
1.2.7	Projects in Africa	23	1.8	Analysis of fare systems	
1.3	Analysis of projects by type		1.8.1	New technologies	59
1.3.1	Introduction	26	1.8.2	Key contracts awarded	60
1.3.2	Metrorail/Subway/Rapid transit /Light metro	27	1.8.3	Upcoming tenders and opportunities	62
1.3.3	Light rail/Streetcar/Tram	28	1.8.4	Key players	63
1.3.4	Monorail/APM/ARL/Other	29	1.9	Analysis of rolling stock	
1.3.5	Commuter rail/ Suburban rail	30	1.9.1	Key contracts awarded	67
1.3.6	High speed rail	31	1.9.2	Upcoming tenders and opportunities	78
1.3.7	Inter-city/Inter-country/Passenger rail	32	1.9.3	Key players	79
1.4	Analysis of projects by status		1.10	Analysis of signaling and communications technology	
1.4.1	Introduction	34	1.10.1	Key contracts awarded	83
1.4.2	Projects under planning	35	1.10.2	Upcoming tenders and opportunities	89
1.4.3	Projects under procurement	36	1.10.3	Key players	90
1.4.4	Projects under construction/pre construction	37	1.11	Analysis of projects by type of developer	
1.4.5	Projects under modernisation	38	1.11.1	Projects being developed by private developers, PPPs	92
1.5	Analysis of projects by alignment		1.11.2	Projects being developed by government	96
1.5.1	Introduction	40	1.11.3	Analysis of projects by type of funding	99
1.5.2	Elevated rail projects	41	1.12	Planned investment in urban rail projects	
1.5.3	Underground rail projects	43	1.12.1	Summary	105
1.5.4	At-grade rail projects	45	1.12.2	Expected investment in new build projects	106
1.6	Analysis of projects by expected completion		1.12.3	Expected investment in network expansion and modernisation	107
1.6.1	Introduction	48			
1.6.2	Projects expected to be completed by 2026	49			

Table of Contents

1.12.4	Expected investment in rolling stock	108
1.12.5	Expected investment in STT systems	109
1.12.6	Expected investment in fare systems	110

1.13 Emerging opportunities and prospects

1.13.1	Opportunities for private operators	112
1.13.2	Opportunities for rolling stock suppliers	113
1.13.3	Opportunities for railway system suppliers	115
1.13.4	Opportunities for consultants	116
1.13.5	Open tenders	117

1.14 Trends in funding and finance

1.14.1	Key financing trends	119
1.14.2	Role of national, regional and state level governments	120
1.14.3	Role of multilateral agencies	121
1.14.4	Innovative funding options	122

1.15 Impact of COVID-19 on upcoming projects

1.15.1	Impact on project completion	124
1.15.2	Impact on project cost	125
1.15.3	Impact on project funding	126
1.15.4	Government policies and plans	127
1.15.5	New technologies	128

1.16 Growth drivers 129

1.17 Key high investment projects 131

1.18 Recent developments

1.18.1	Recent projects announced	134
1.18.2	Recent fundings	140
1.18.3	Recent contracts awarded	146
1.18.4	Other developments	163

1.19 Risks and challenges 176

PART 2: PROJECT PROFILES (EXCEL DATABASE)

Each project profile provides information on developer/operator, transport mode, project type, network length and alignment, route, no. of stations with alignment, station locations, planned service frequency, expected opening, project cost, sources of funds, current stage of the project and details, key contractors and consultants, connections with other public transport modes, expected ridership, fare system, rolling stock, signalling technology, track and power, additional information, and key contact person for the project.

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

Format (PDF)	Standard Price
Global 1,000 Upcoming Rail Projects Report & Database 2022-2036	<input type="checkbox"/> \$5,400
<i>Special Offer for Public Transport Authorities/ Agencies</i>	<input type="checkbox"/> \$4,800

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

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