



TRANSIT TICKETING & FARE COLLECTION IN EUROPE REPORT 2021-2030

Analysis of opportunities in around 200 cities

Global Mass Transit Research has released the second edition of the **Transit Ticketing & Fare Collection in Europe Report 2021-2030** in July 2021.

The report provides **latest information** on the **current status of ticketing systems** and **plans for deployment of advanced fare collection systems** including open payments and in around **200 cities** in over **40 countries** in Europe. In the next decade, the spotlight will be on contactless smartcards, contactless bank cards, account-based ticketing (ABT) and mobile ticketing.

The report comprises 3 distinct sections.

Parts 1 and 2 of the report (PPT format converted to PDF) provides an analysis of the:

- Market size of the AFC segment and sub-segments (current and projected)
- Impact of Covid-19 and factors influencing new media deployment
- Future plans for deployment of advanced fare collection systems
- Key emerging trends and growth drivers
- Size of the contactless smartcards market (current and future)
- Bank cards for transit ticketing (current status and future plans)
- Mobile ticketing for transit (current status and future plans)
- Current status of the account-based ticketing (ABT) market and future plans
- Open loop payment systems
- Mobility-as-a-Service (key deployments, case studies, etc.)
- Blockchain and data for transit ticketing
- Regional trends and opportunities
- Recent contracts, announcements and tenders
- Current status and future opportunities by type of fare media
- Current status of integration (multi-modal; multi-operator at the local, regional and national levels)
- Planned level of integration and interoperability
- Key policies affecting integration and cross-border ticketing
- New technologies and innovations
- Key players

Part 3 of the report will provide detailed information on around 200 cities in the region. Each city profile will provide information on:

- Key players (operators and developers)
- Modes operated in the city
- Ridership for each mode
- Current fleet size and stations
- Existing fare media and technology [contactless smartcards, RFID-tokens, NFC-enabled devices (excluding smart phones), paper tickets, magnetic stripe tickets, metal tokens, contact-based smartcards, bank/EMV cards and mobile ticketing (App-/ QR code-/ NFC-based/digital wallets)]
- Current ticketing infrastructure
- Vendors/suppliers of ticketing infrastructure
- Account-based ticketing (ABT)
- Mobility-as-a-Service (MaaS)
- Existing level of fare integration (across modes, city-wide, regional, national, with retail, with parking, etc.)
- Planned public transport network (lengths, stations/stops, rolling stock, and commencement of operations)
- New fare media planned
- Plans to deploy ABT
- ABT vendors
- Key contract awards
- Contract values
- Timelines and AFC implementation schedules
- Planned level of integration (across modes, city-wide, national, etc.)
- Additional information

The report aims to serve organisations interested in the transit fare collection systems – transport authorities, operators, service and technology providers, equipment manufacturers and suppliers, investors/lenders, start-ups, research organisations, industry consultants, regulatory agencies, development institutions, academia, etc.

The report is available in PPT format (converted to PDF) with detailed information in MS Excel database format. It is priced at USD 3,200.

To order the report, please contact:

Namrta Bangia

Mobile: +91 999 900 8654 | Email: namrta.bangia@globalmasstransit.net

Website: www.globalmasstransit.net

Table of Contents

PART 1: INDUSTRY OVERVIEW, TRENDS AND OUTLOOK

Part 1 will provide an overview of the AFC systems in around 200 cities, market size and outlook, projections, impact of Covid-19 on the AFC segment, and plans of cities/transit agencies to deploy advanced fare collection systems including account-based ticketing (ABT) and open loop systems. It will also discuss key emerging trends and recent developments as well as highlight the next-gen technologies.

1.1 Current Status and Market Size

- 1.1.1 Overview of AFC systems
- 1.1.2 Key emerging trends and outlook for the next decade
- 1.1.3 Trends in ridership
- 1.1.4 Impact of AFC systems on ridership
- 1.1.5 Market Size of AFC segment
- 1.1.6 AFC Market Size by sub-segments
- 1.1.7 Integration and interoperability
- 1.1.8 Standards and certifications
- 1.1.9 Account-based ticketing (ABT): Size and key case studies
- 1.1.10 EMV payments in transit: Size and key case studies
- 1.1.11 Mobile ticketing (apps and wallets): Size and key case studies
- 1.1.12 Role of ABT in Mobility-as-a-Service
- 1.1.13 Key deployments of MaaS

1.2 Impact of COVID-19 on Transit Ticketing for Public Transport

- 1.2.1 Impact of COVID-19 on ridership and fare revenue
- 1.2.2 Impact on market size and growth of AFC
- 1.2.3 Spotlight on contactless payments
- 1.2.4 Impact on fare media, growth of contactless payment
- 1.2.5 Key deployments, case studies and new technologies during COVID-19
- 1.2.6 Key plans announced to deploy advanced fare systems during COVID-19

1.3 Recent Developments (12 months)

- 1.3.1 Recent announcements
- 1.3.2 Recent contracts awarded
- 1.3.3 Recent launches
- 1.3.4 Recent pilot projects
- 1.3.5 Open tenders
- 1.3.6 Recent collaborations
- 1.3.7 New and recent technologies announced

1.4 Outlook and Opportunities

- 1.4.1 Key growth drivers
- 1.4.2 Growth in AFC market (by sub-segment) by 2026
- 1.4.3 Future outlook and market opportunities
- 1.4.4 Expected network addition
- 1.4.5 Plans of transit agencies for deployment of advanced fare media, system upgrades and modernisation
- 1.4.6 Year-wise deployment of advanced fare media (by 2026)
- 1.4.7 Plans for fare integration and interoperability
- 1.4.8 Outlook for mobile ticketing and digital wallets
- 1.4.9 Outlook for ABT and open payment systems
- 1.4.10 Next-gen ticketing: New technologies
- 1.4.11 Use of data for seamless travel
- 1.4.12 Analysing ticketing data: Software and services
- 1.4.13 Smart cities and smart ticketing
- 1.4.14 Blockchain for transit ticketing
- 1.4.15 Key risks and challenges

PART 2: INDUSTRY ANALYSIS

Part 2 will provide an analysis of the AFC market by fare media as well as integration and interoperability. It will also highlight regional trends and opportunities as well as discuss the competitive landscape and profile key players in the industry.

2.1 Analysis by Fare Media: Current Status and Future Plans

- 2.1.1 Overview of fare media
- 2.1.2 Paper tickets, magnetic strip tickets and contact-based smartcards
- 2.1.3 RFID tokens
- 2.1.4 Contactless smartcards
- 2.1.5 Bank cards
- 2.1.6 Mobile ticketing
- 2.1.7 Other fare media
- 2.1.8 Comparative analysis of fare media

2.2 Analysis of Integration and Interoperability

- 2.2.1 Integration and interoperability
- 2.2.2 Key policies supporting integration
- 2.2.3 Ticketing for single mode
- 2.2.4 Ticketing for multiple modes, single operator
- 2.2.5 Multi-modal and multi-operator ticketing
- 2.2.6 Regional integrated ticketing systems

Table of Contents

- 2.2.7 Nation-wide systems
- 2.2.8 Cross border ticketing
- 2.2.9 Partnerships with financial services companies
- 2.2.10 Integration with non-transit services

2.3 Key Players

- 2.3.1 Competitive landscape
- 2.3.2 Profiles of key players
- 2.3.3 Industry outlook

PART 3: AROUND 200 CITY PROFILES (MS EXCEL DATABASE)

Part 3 of the report will provide detailed information on around 200 cities in the region. Each city profile will provide information on:

- Key players (operators and developers)
- Modes operated in the city
- Ridership for each mode
- Current fleet size and stations
- Existing fare media and technology [contactless smartcards, RFID-tokens, NFC-enabled devices (excluding smart phones), paper tickets, magnetic stripe tickets, metal tokens, contact-based smartcards, bank/EMV cards and mobile ticketing (App-/ QR code-/ NFC-based/digital wallets)]
- Current ticketing infrastructure
- Vendors/suppliers of ticketing infrastructure
- Account-based ticketing (ABT)
- Mobility-as-a-Service (MaaS)
- Existing level of fare integration (across modes, city-wide, regional, national, with retail, with parking, etc.)
- Planned public transport network (lengths, stations/stops, rolling stock, and commencement of operations)
- New fare media planned
- Plans to deploy ABT
- ABT vendors
- Key contract awards
- Contract values
- Timelines and AFC implementation schedules
- Planned level of integration (across modes, city-wide, national, etc.)
- Additional information

Countries covered in the database

- Armenia
- Austria

- Belarus
- Belgium
- Bulgaria
- Croatia
- Czech Republic
- Denmark
- England
- Estonia
- Finland
- France
- Georgia
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Macedonia
- Malta
- Netherlands
- Northern Ireland
- Norway
- Poland
- Portugal
- Romania
- Russia
- Scotland
- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- Ukraine
- Wales

Sources and Methodology

Global Mass Transit Research's industry analysts have utilised primary and secondary research sources in preparing this report. Primary sources include information obtained through telephone interviews and emails from public transport authorities, operators and regulators. Secondary sources include, but are not limited to, project websites and status reports; websites, annual reports, capital programmes and financial reports of transport authorities and operators; documentation provided by relevant financing institutions; investor presentations; analyst reports; government plans and documents; websites of ministries and regulators; websites of industry associations; internal and external proprietary databases; news articles; and press releases. Wherever applicable, research sources are cited within the report.

Our analysts and researchers have combined the information from these primary and secondary sources with their industry expertise to synthesise the qualitative and quantitative analyses presented in this report. In cases where data was not available, we have used the estimates from authentic published reports or press releases.

Great care has been taken to ensure that all analyses are supported by facts. In situations where facts were not available and assumptions were made to conduct analyses, we have explained our assumptions and our methods of estimation.

Global Mass Transit Research has taken every possible precaution to provide information based on/from 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 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, **Global Mass Transit** 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 Infraestructuras, AECOM, Agence Métropolitaine de Transport (AMT), Ansaldo STS, AnsaldoBreda SpA, Ashok Leyland, BAE Systems, Bombardier Transportation, CAF, Clever Devices, Confidex Limited, Corredor Insurgentes SA de CV (CISA), DB Stadtverkehr GmbH, European Bank for Reconstruction and Development, EvoBus GmbH (Daimler), GFI Genfare, Giesecke & Devrient GmbH, Halcrow, Harrington-Hughes & Associates Incorporated, Höft & Wessel AG, HOK, HUBNER GmbH, IMG Consulting, INIT AG, IVU Traffic Technologies AG, KEOLIS, Knorr-Bremse SfS GmbH, Land Transport Authority Singapore, Luminator, Metropolitana Milanese SpA, Mobitec, NXP Semiconductors, Parker Hannifin Corporation, Pöyry PLC, PricewaterhouseCoopers, RATP, Ringrollers – a division of DCD DORBYL, Rogers Corporation, Selectron Systems AG, Serco, Siemens, SNC-Lavalin, Sojitz Corporation, Swissrail, Tait Radio, Tata Realty and Infrastructure Limited, Technatomy Corporation, TEMSA Europe NV, Thales Rail Signalling Solutions, Thetis SpA, Traktionssysteme Austria, Trapeze Group, Unipart Rail, VDV-Kernapplikations GmbH & Co. KG, Vossloh España, WorleyParsons, and ZF Friedrichshafen AG.**

Order Form

Format (PDF)	Price
Transit Ticketing & Fare Collection in Europe Report 2021-2030	<input type="checkbox"/> USD3,200

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
Bank 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

Namrta Bangia

Mobile: +91 999 900 8654

Email: namrta.bangia@globalmasstransit.net