



Public Transport ITS in Europe and North America

9th Edition

Public Transport ITS in Europe and North America is the ninth consecutive report from Berg Insight analysing the latest developments on the intelligent transportation systems market for public transport in these two regions. This strategic research report from Berg Insight provides you with 290 pages of unique business intelligence, including 5-year industry forecasts, expert commentary and real-life case studies on which to base your business decisions.



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Driving innovation: The next wave of intelligent public transport

The term Intelligent Transport Systems (ITS) refers to information and communications technology applied to transport infrastructure and vehicles. Berg Insight's definition of ITS for public transport includes systems installed in public transport vehicles as well as at terminals, stops, depots and similar. Included are also back-office IT systems which ensure that public transport services can be planned, scheduled and managed to achieve efficient operations. An important part of ITS for public transport is further solutions providing travellers with updated information about routes, departure times, possible disturbances and connecting services. The history of these different types of solutions dates back several decades and current state-of-the-art solutions include for example real-time intermodal and multi-operator journey planners, automated fare collection systems using contactless cards or NFC-enabled handsets for account-based ticketing, and advanced mobility analytics software.

Public transport plays an increasingly important role in societies as a result of continuing population growth in cities and shifting consumer preferences. Approximately 60 billion and 12 billion public transport passenger journeys were carried out in Europe and North America respectively each year before the COVID-19 pandemic. During the pandemic, the numbers dropped significantly and had not recovered entirely by H2-2023. Available transport modes include for example local and regional buses and trolleybuses, regional and suburban rail transport, metros and trams, and local waterborne passenger transport services. In 2021, the number of registered buses and coaches in Europe and North America reached 0.86 million vehicles and 1.0 million vehicles respectively. The economic value of public transport services in Europe is estimated to around € 145–155 billion per year, while the corresponding number in North America is around € 80–90 billion.

Berg Insight is of the opinion that the market for ITS in public transport will continue to grow in the coming years. Challenges such as urbanisation, climate change and traffic congestion continue to spur investments in public transport ITS, contributing to a positive market situation. Individual markets may however experience temporary fluctuations depending on the political climate, austerity measures and local developments. The total market value of public transport ITS for buses and trams in Europe is forecasted to grow at a compound annual growth rate (CAGR) of 6.3 percent from € 2.15 billion in 2022 to reach € 2.92 billion by 2027. The penetration of on-board computers with GPS location functionality and wireless communications in buses and trams in Europe is estimated to increase from 91.0 percent in 2022 to 94.1 percent in 2027, however varying considerably between regional markets. In North America, the total market value of public transport ITS is forecasted to grow at a CAGR of 8.8 percent from € 0.88 billion in 2022 to reach € 1.34 billion in 2027 and the penetration rate is estimated to increase from 92.5 percent in 2022 to 97.7 percent in 2027.

A group of international aftermarket solution providers have emerged as leaders on the market for public transport ITS. Major providers across Europe and North America include Canada-based Trapeze Group and Germany-based INIT with significant installed bases in both regions. Clever Devices and Conduent hold leading positions on the North American public transport ITS market, and the latter is also an international provider of fare collection systems. Additional companies with major market shares in North America include Cubic Transportation Systems and Avail Technologies. Siemens Mobility is also a prominent vendor of software in both Europe and North America. Examples of companies with major market shares on national markets in Europe include Equans and RATP Smart Systems which hold leading positions in France. Vix Technology, Flowbird and Ticketer are moreover major providers on the UK market, while IVU is a dominant player in the German-speaking part of Europe. Other significant players include the Spanish groups GMV, Indra and Grupo ETRA; French Thales; Atron in Germany; Scandinavian FARA, Pilotfish and Consat Telematics; and the Austria-based companies Swarco and Kontron Transportation. Volvo Group and Daimler are moreover notable players from the vehicle OEM segment, while companies such as Scania, Iveco, Gillig and New Flyer also offer some conventional OEM telematics features for their buses.

The outlook for the public transport ITS market is positive, as several major developments encourage increased investments in such technologies. The ITS market is likely positively affected by international public transport-related initiatives such as the ITxPT Association as well as APTA's standards programs for public transport vehicles and ITS. The development of ITS has in recent years focused on increasing the level of integration and utilising technology advancements for fare collection purposes. Standardisation efforts are beginning to yield results as an increasing number of market players choose to comply with them and procuring organisations see the benefits in the form of lower costs. Another major driver is the ongoing global developments related to the concept of smart cities, where ITS in general and public transport ITS in particular constitute key elements to enable sustainable smart mobility.

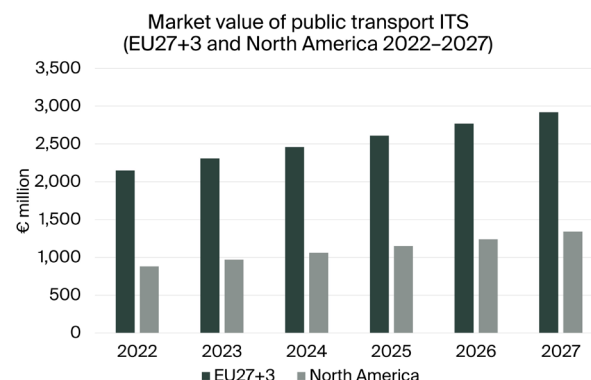


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Glossary

Highlights from the report

Insights from 30 new executive interviews with market leading companies.

New data on vehicle fleets and public transport utilisation in Europe and North America.

Comprehensive description of the public transport ITS value chain and key applications.

In-depth analysis of market trends and key developments.

Profiles of 81 aftermarket ITS solution providers.

Summary of OEM propositions from public transport vehicle brands.

Revised market forecasts lasting until 2027.

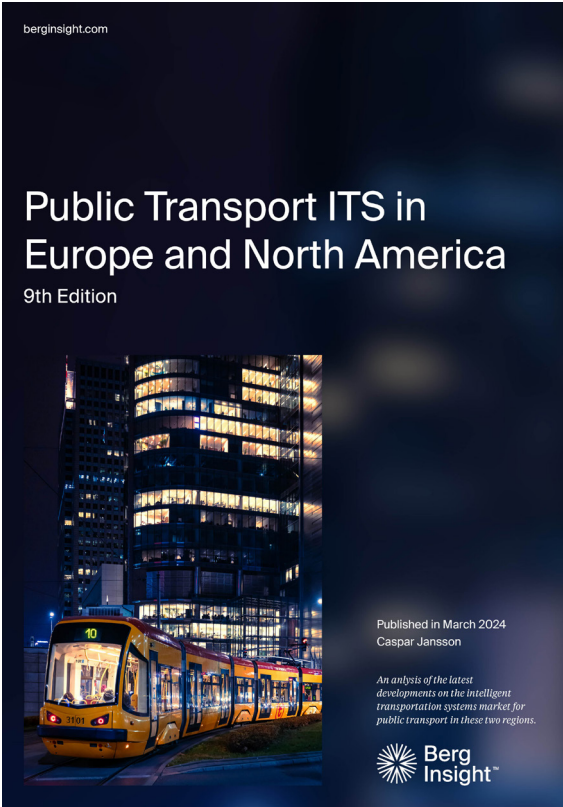
This report answers the following questions

- How is public transport organised and managed?
- What is the geographical structure of public transport fleets in Europe and North America?
- Which are the leading providers of aftermarket public transport ITS solutions?
- What offerings are available from vehicle OEMs?
- What impact will standard installed OBUs from the OEMs have on the market?
- Which drivers and barriers are affecting the market for public transport ITS solutions?
- How are the regulatory developments affecting the public transport ITS industry?
- How will the public transport ITS industry evolve in the future?



About Berg Insight's IoT market research

Our market reports offer comprehensive information and analysis on key IoT technologies and markets, addressing important concerns including total addressable market, market penetration, market shares, industry landscape, regulatory environment, market trends and forecasts. Our research portfolio today comprises more than 70 items, where each market report focuses on a specific vertical application area or cover horizontal themes. All market reports come with complementary data sets in Excel format that can be easily analysed and converted into tables and charts. We offer a range of different license options together with bundled packages and subscriptions to suit your specific needs.



TRANSPORT & LOGISTICS

Public Transport ITS in Europe and North America

How will the market for intelligent transport systems (ITS) for public transport in Europe and North America evolve in 2024 and beyond? The total market value of public transport ITS for buses and trams in these two regions is forecasted to grow at a compound annual growth rate of 7.1 percent from € 3.03 billion in 2022 to reach € 4.26 billion by 2027. This strategic research report from Berg Insight covers the latest trends and developments in the dynamic telematics industry. Get up to date with the latest information about vendors, products and markets.

PUBLISHED DATE	March 2024
EDITION	9th
PAGES	290
AUTHORS	Caspar Jansson

PDF & EXCEL: 1 user license	€ 1 500
PDF & EXCEL: 2-10 user license	€ 2 250
PDF & EXCEL: Enterprise license	€ 3 000

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Who should read this report?

Public Transport ITS in Europe and North America is the foremost source of information about this market. Whether you are an ITS and telematics vendor, vehicle manufacturer, telecom operator, investor, consultant, or government agency, you will gain valuable insights from our in-depth research.

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