

1.1.2 Key Emerging Trends and Outlook for the Next Decade

Emphasis on integration & interoperability to drive growth

Emphasis on integration and interoperability will lead to increased focus on deployment of contactless payments. The benefits of integration and interoperability are well known. **Of the 500 cities** analysed by *Global Mass Transit Research*, over a **100 cities** have firm **plans** to introduce **city-level integration**, **60** have **plans** to **launch region-wide integration** and nearly **16 countries** will **initiate nation-wide integration**.

Spotlight on XXX

XXX

Discussion on XXX to continue

XXX

Key areas of
focus in the
next decade:
2020-30

XXX will become more relevant

XXX

Challenge for transit agencies

XXX

XXX to gain momentum

XXX

1.2.2 Recent Contracts Awarded

With the implementation of an AFC system, not only can passengers commute conveniently and access discounted fares easily, but also the public transport authorities can analyse passenger mobility patterns and offer secure, integrated transport through cashless fare payments. During 2019, over xxx fare system contracts, worth over xxx, were awarded in the region.

Recent contracts awarded

Country	City	Contractor	Award date	Value (USD million)	Scope
Ireland	XXX	XXX	XXX	XXX	XXX
	XXX	XXX	XXX	XXX	XXX
Netherlands	XXX	XXX	XXX	XXX	XXX

1.3.2 Growth in AFC Market Size (by sub-segment) 2018-25

AFC market size 2018
USD3.24 billion

AFC market size 2025
USDXXX billion



Front-end hardware

2018: XXX 2025: XXX



Back-end

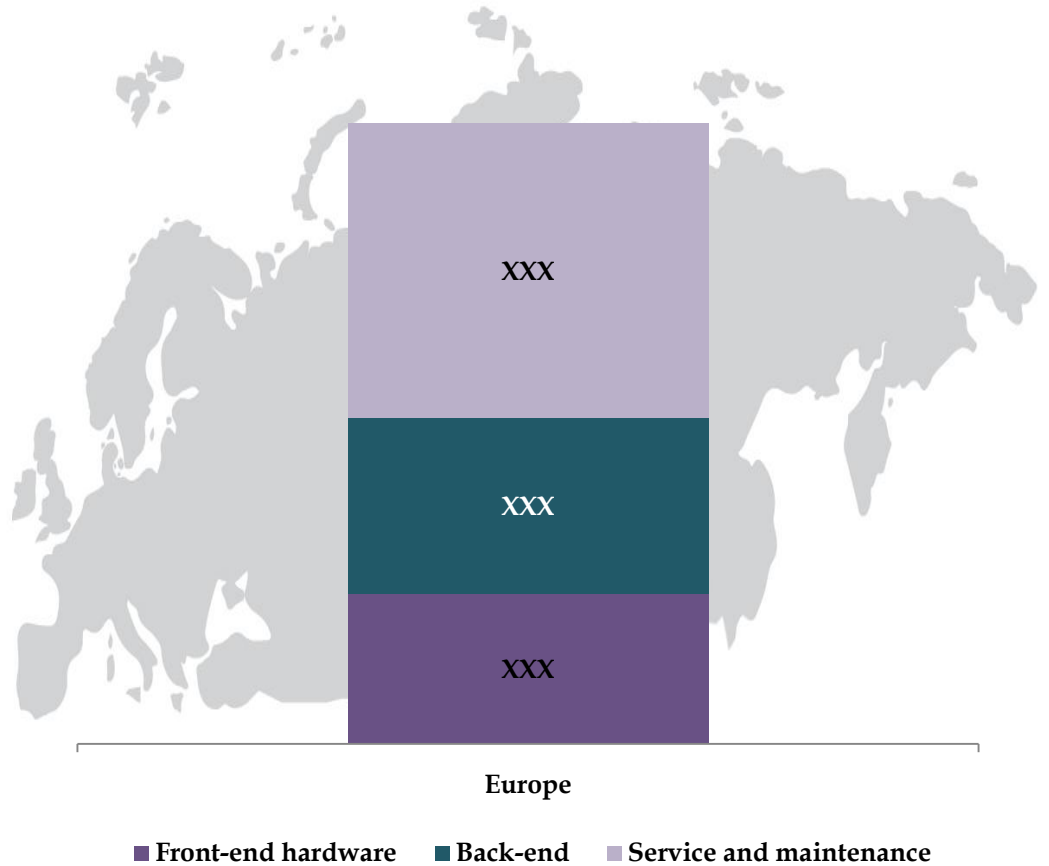
2018: XXX 2025: XXX



Service & maintenance

2018: XXX 2025: XXX

Market size for the year 2025 by sub-segment (USD million)



1.3.3 Future Outlook and Market Opportunities

Outlook of fare media

	Europe
Paper tickets/ magnetic stripe tickets/ metal tokens/ contact-based smartcards	Low/No potential market
RFID tokens	Low/No potential market
Contactless smartcards	Low/No potential market
Bank cards	High potential market
Mobile ticketing	Low/No potential market
NFC-based digital wallets	Low/No potential market
NFC-enabled devices as fare media	Low/No potential market



High potential market



Average potential market



Low/No potential market

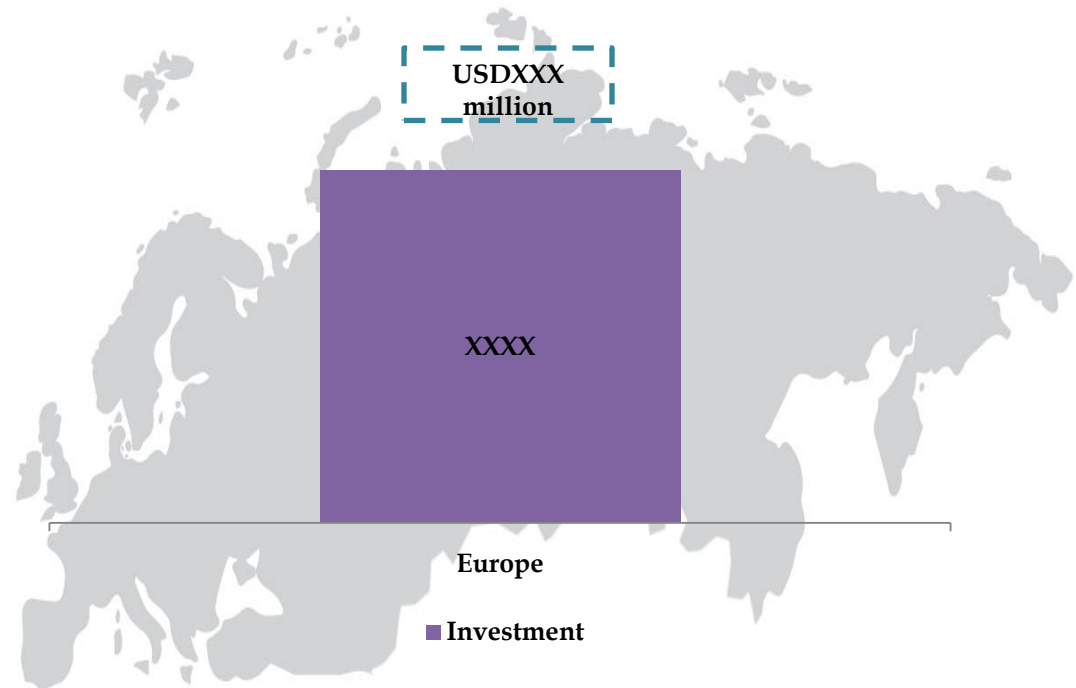
XXX will continue to remain the most preferred fare media in the region despite introduction of advanced fare media such as mobile ticketing and contactless bank cards.

1.3.3 Future Outlook and Market Opportunities

AFC investment in upcoming rail projects (USD million)

The market for deployment of advanced fare media is driven by upcoming urban rail projects. Cities developing new urban rail systems typically deploy off-the-shelf advanced fare media directly instead of first deploying traditional media and then transitioning towards advanced media.

Global Mass Transit Research estimates that the upcoming XXX urban rail projects across the region an opportunity of nearly USDXXX billion for the fare systems industry by 2030 (as part of new systems/lines that are coming up).



Key takeaways

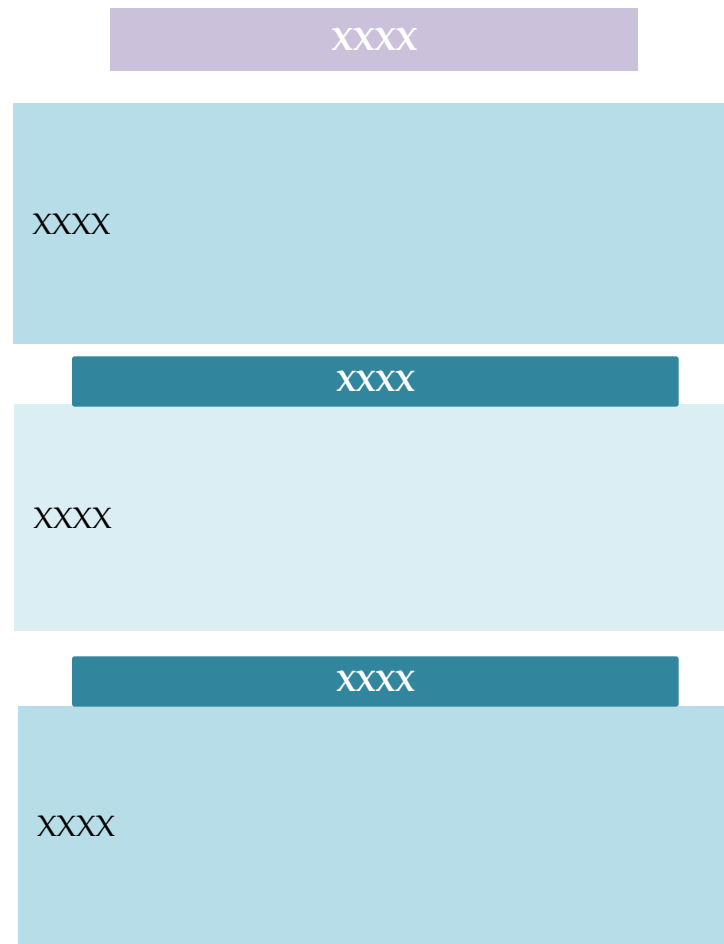
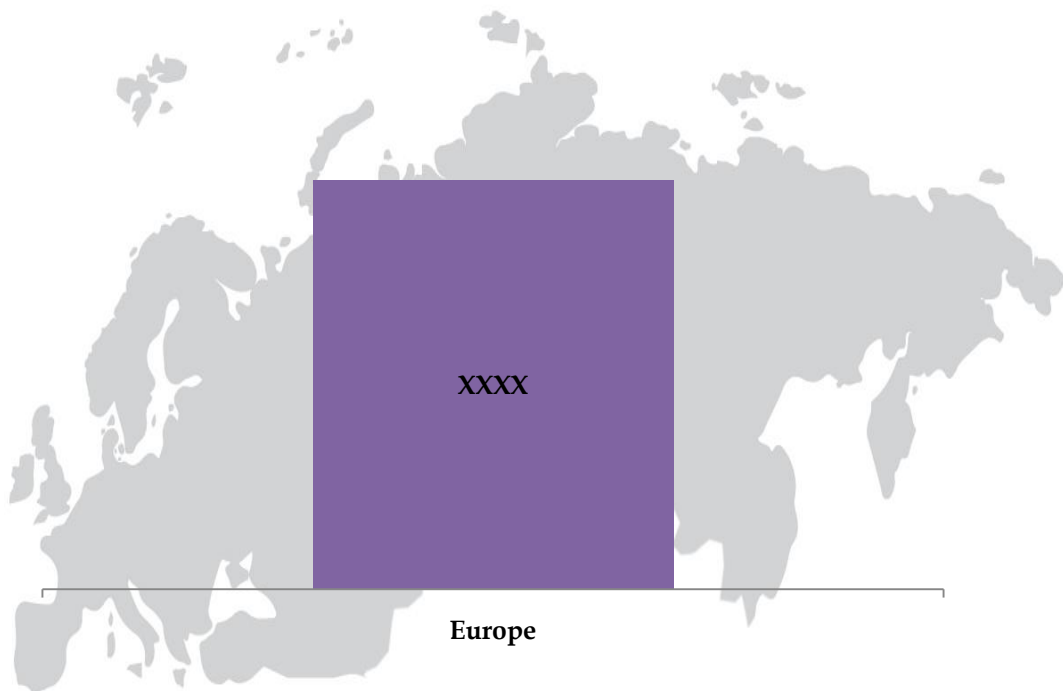
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2.1.6 Mobile Ticketing



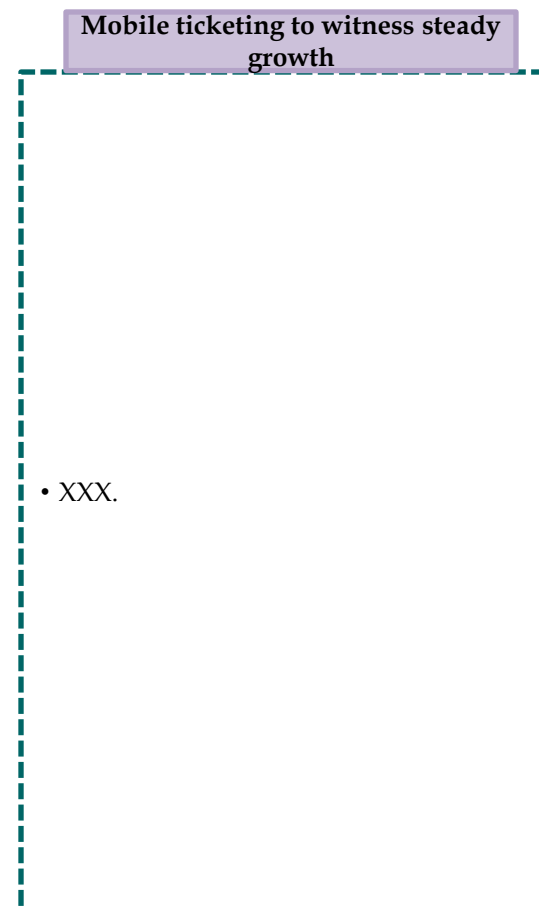
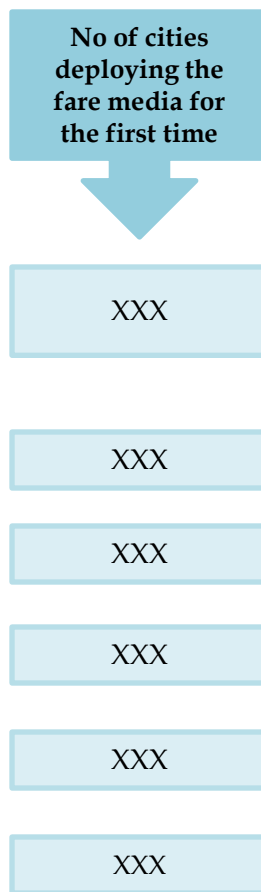
Of the xxx cities covered in this report, xxx cities have deployed mobile ticketing for fare payment.

No. of cities deploying mobile ticketing



2.3.1 Europe: Opportunities

Cities with plans for fare media procurement	
Opportunities	No. of cities
Paper tickets/magnetic stripe tickets/metal tokens/contact-based smartcards	XXX
RFID tokens	XXX
Contactless smartcards	XXX
Bank cards	XXX
Mobile ticketing	XXX
NFC-based digital wallets	XXX
NFC-enabled devices	XXX



Plans to integrate public transport ticketing

XXX cities and XXX regions in Europe plan on integrating their public transport ticketing in the future.