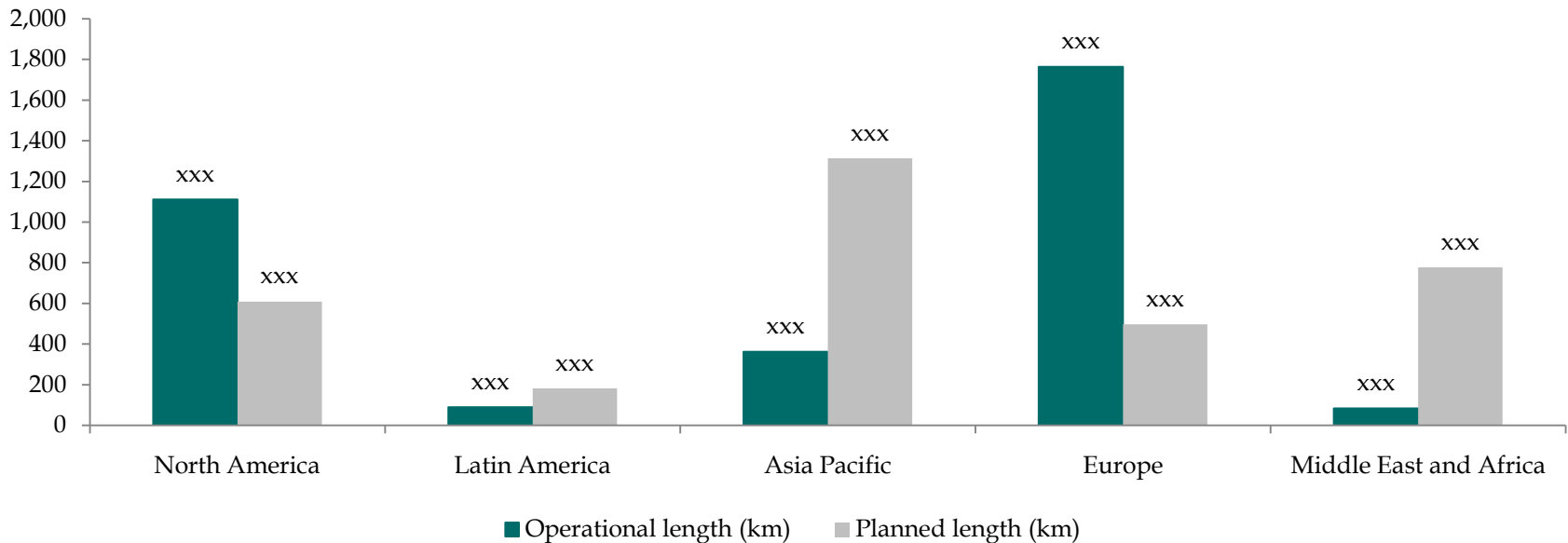


## 1.2.1 Network size and growth

### Current network and expected growth

- The report covers 100 light rail transit (LRT)/tram/streetcar/light metro/monorail systems. Of these, xxx systems are operational and together span more than xxx km and cover xxx stops/stations as part of xxx lines.
- Cities across the world have unveiled plans to develop more than xxx km of network length covering over xxx stations/stops.
- While xxx cities will expand their existing network by over xxx km and add more than xxx stations/stops by 2025, xxx cities will develop new systems covering around xxx km and over xxx stations/stops.
- Xxx presents the biggest opportunities. Xxx cities will add over xxx km of network to their existing systems and xxx cities will develop new systems spanning a total of xxx km.
- This level of activity in the light rail segment presents significant opportunity for consultants, developers, contractors, operators,, equipment manufacturers, construction material suppliers, etc.

### Operational and planned light rail network by region



## 1.3.7 Recent and open tenders

### Tenders under bidding

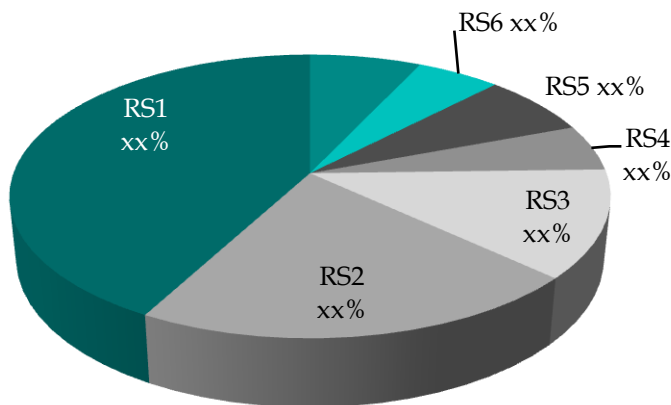
Country	Authority	Scope of work	Last date for bid submission
<b>North America</b>			
Canada	xxx	xxx	xxx
US	xxx	xxx	xxx
<b>Asia Pacific</b>			
Philippines	xxx	xxx	xxx
<b>Europe</b>			
Poland	xxx	xxx	xxx
Bulgaria	xxx	xxx	xxx
Greece	xxx	xxx	xxx
Poland	xxx	xxx	xxx
Finland	xxx	xxx	xxx
Scotland- United Kingdom	xxx	xxx	xxx
<b>Middle East and Africa</b>			
Israel	xxx	xxx	xxx
Morocco	xxx	xxx	xxx

# 1.11.1 Market size and growth

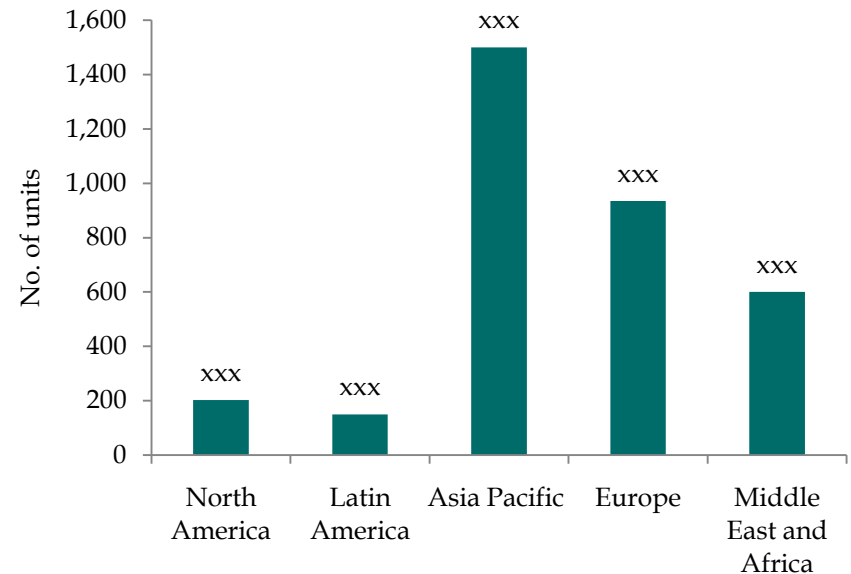
## Current rolling stock

- Around xxx units (trams/railcars/light rail vehicles/tram-trains/monorails) are deployed on the xx operational projects.
- The systems covered in the report have been divided into seven categories based on fleet size – RS7 (>300), RS6 (250–300), RS5 (200–250), RS4 (150–200), RS3 (100–150), RS2 (50–100), and RS1 (1–50).
- Of the total number of rolling stock units, xx% are deployed in Europe, xx% in North America, xx % in Asia Pacific, xx% in the Middle East and Africa and xx % in Latin America
- The projects with greatest opportunities include XXX

### Project distribution by fleet size



### Fleet size distribution by region



## 1.11.4 Recent contracts awarded

Since xxx 2018, xxx rolling stock contracts have been awarded. Of these, maximum contracts have been awarded in xxx region (xx contracts worth more than USDxxx million), followed by xxx (xx contracts).

### Recent rolling stock contracts awarded

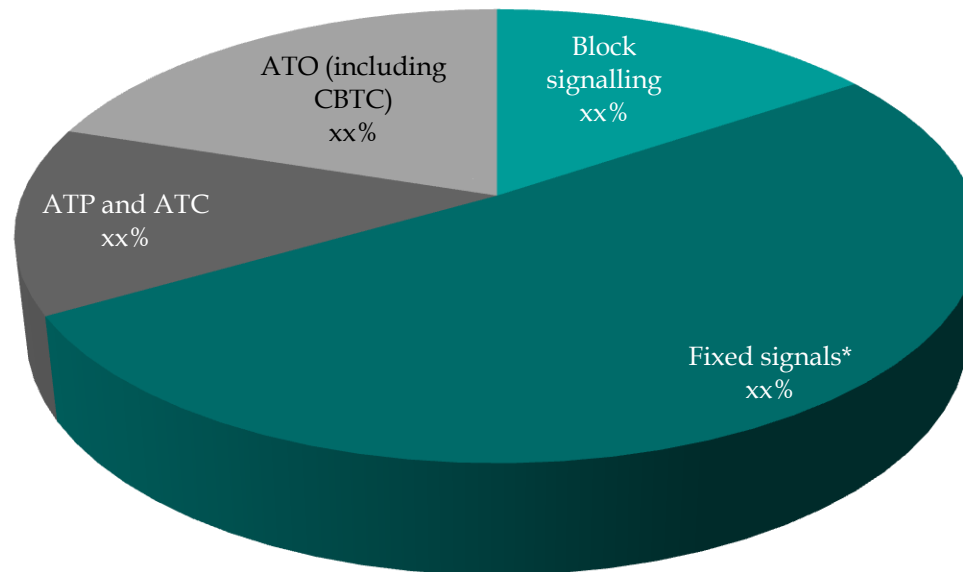
Country	Project	Contractor	Award date	Value (USD million)	Scope
<b>North America</b>					
US	xxx	xxx	xxx	xxx	Supply six xxx LRVs for Phase xxx of the xxx Line.
	xxx	xxx	xxx	xxx	Equip the xxx light- ail fleet with xxx systems.
	xxx	xxx	xxx	xxx	Supply xxx light rail vehicles (LRVs) to be deployed on the xxx.
	xxx	xxx	xxx	xxx	Supply xxx LRVs from xxx.
	xxx	xxx	xxx	xxx	Supply xxx LRVs.
<b>Latin America</b>					
Brazil	xxx	xxx	xxx	xxx	Supply xxx LRVs for Line xx.

## 1.12.1 Market size and growth

### Signalling technology

- A majority of the systems do not use advanced signalling. Of the total operational systems, xx deploy signalling based on line-of-sight, colour-codes, and transit priority, while XXX use manual signalling.
- Advanced signalling is deployed in newer systems. Of the systems covered in the report, xxx have deployed automatic train control (ATC) and automatic train protection (ATP) signalling systems and nine have deployed automatic train operation (ATO) systems including communication-based train control (CBTC).
- Another xxx systems have deployed block signalling, including fixed block and automatic block.

### Project distribution by type of signalling technology



Note: \*including manual, line-of-sight, colour-coded and priority

## 1.13.1 Market size and growth

### Key trends

- Of the xx projects covered in the report, majority of the systems deploy more than one mode of fare payment.
- Of these, smartcards, paper tickets and magnetic stripe tickets are currently deployed on xxx% of the systems along with other modes of payment.
- Around xx% of the systems deploy bank cards and mobile ticketing. Bank card is deployed only in xx% of the operational systems and planned for xx% systems.
- Interoperability between ticketing systems typically increases ridership by facilitating transfers in a single journey and providing the ability to use a single fare card. Smartcards permit interoperability of contract (same ticket for multi-modal travel) as well as interoperability of support (different tickets for multi-modal travel on the same smart support system).
- Of the xx projects covered in this report, xx projects have fare systems integrated across different public transport modes. This corresponds to almost 81% of the projects for which data are available. Fare system integration is planned for xx projects.
- Of the xx projects with integrated fare systems, xx are in Europe, xx are in North America, xx are in Asia Pacific, xx are in Latin America, and xx are in the Middle East and Africa.

### Systems using different modes of fare payments

