

HITACHI

Hitachi Rail - Public

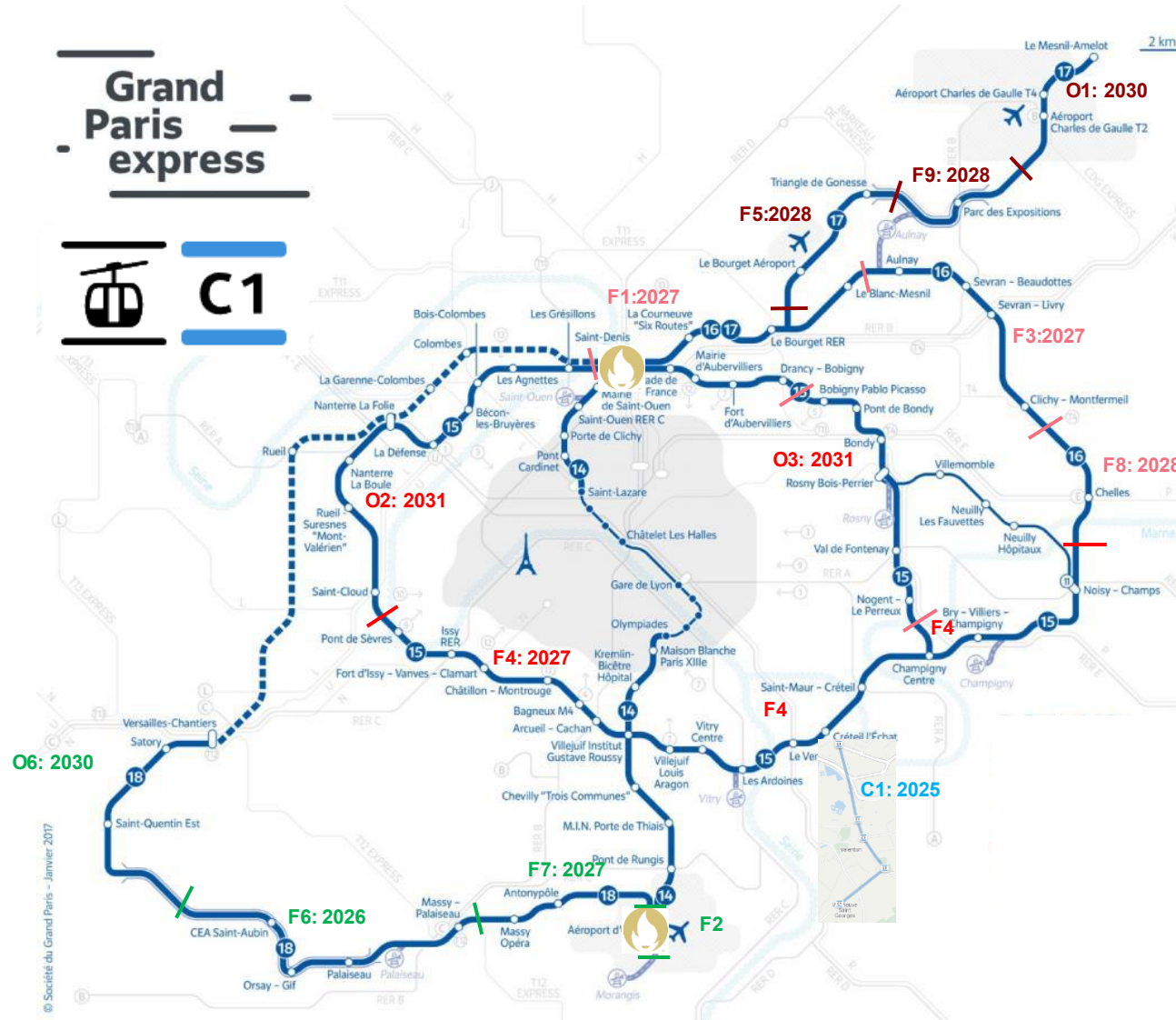
TRANSPORT TICKETING GLOBAL 2026

Contributing to seamless mobility in Greater Paris area

Jerome Vinot - Project Manager - Hitachi Rail

**Société
des Grands
Projets**

Recent projects in Greater Paris area



- June 2024
 - 2 stations in operation on L14 for Olympic Games
- Jan 2025
 - 3rd station on L14
- Dec 2025
 - Cable Car 5 stations



Grand Paris Express: key numbers

68 stations
by 2030

and 6 operations centers

90 %

underground network

**Near 3
millions**

daily passengers

200 km of new
lines

added to the 200 km of
existing metro

80 % of stations

connect with other lines

100 % automatic

ensuring regularity, adaptability,
comfort and safety

1 train

every 2 or 3
minutes

55 et 65 km/h

average operating speed

Improving passenger experience on Europe's largest infrastructure project

MOBILITY CHALLENGES

- Improve passenger experience
- Suburb-to-suburb connectivity
- Reduce car dependency
- Complex multimodal region
- Decarbonisation, modal shift, interoperability

FUTURE OUTCOMES

- **Passenger experience** (faster flow, intuitive UX, reduced travel times)
- **Operational excellence** (real-time monitoring, optimised maintenance)
- **Sustainable mobility** (modal shift, unified ticketing)

Delivering a *ticketing system* fully *interoperable* with *Ile de France Mobilité (IDFM)* back office



Heterogeneous
architectures across lines



Interface expertise



Multiple installers and many
interfaces



PM excellence to ensure
coordination



Tight schedule



Agile delivery model

Grand Paris Express : Olympic Games

Société
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Projets

HITACHI



PARIS 2024



June 2024

➤ 2 stations in operation on L14



- Scope and schedule reorganization
- Compliance with iPhone and iWatch validation
- Great operational success
- Additional equipment installed
- Exceptional mobilization of Hitachi resources

Grand Paris Express : equipment ergonomics

- 133 works of art
across the 68 stations

- A design agency defined
all characteristics of
ticketing equipment

➔ Villejuif Gustave Roussy
elected “World’s most
beautiful metro station in
2025”



Gare Clichy - Montfermeil



Gare Villejuif Gustave Roussy

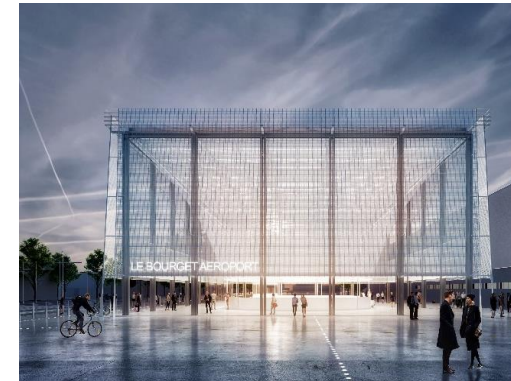


Gare Mairie de Vitry-sur-Seine

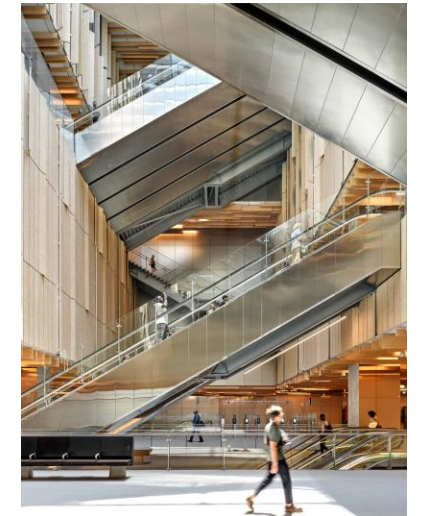
January 2025
➤ 3rd station in operation



Gare Saint-Maur Créteil



Gare Le Bourget Aéroport



Gare Saint-Denis Pleyel

Paris Cable Car: 1st one in Greater Paris



December 2025

➤ Cable Car 5 stations

A major step forward for more sustainable mobility in the south-east of the Paris region

MOBILITY CHALLENGES

- Connecting underserved areas
- Reduce **18 minutes journey**
- **11,000 daily passengers** expected

FUTURE OUTCOMES

- Integrated ticketing and back-office
- Fully interoperable
- Designed for PRM accessibility
- A technological extension of the Grand Paris Express

Grand Paris Express : deployment

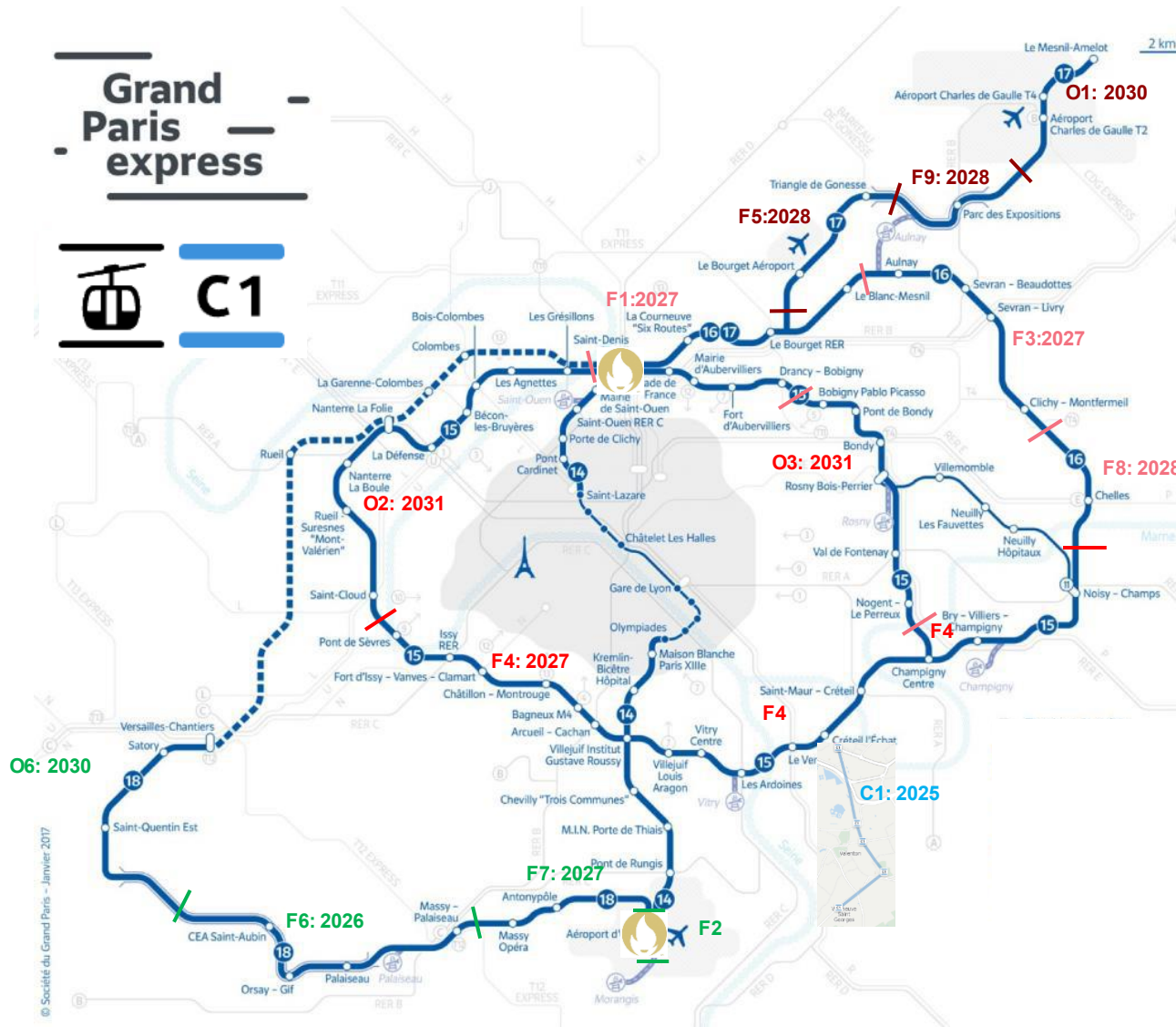
- 3 stations in operation
- Major development in parallel with maintenance activities

→ Supervision Center in Hitachi premises

- Monitor both operations and installation
- 3 Transport Operators on Grand Paris Express and 1 for Cable 1



What's next: EMV



- June 2026
➤ EMV in Orly
- Oct 2026
➤ 1st section for L18
- April 2027
➤ 1st section for L15 (South)
-
-
-
- 2031
➤ All lines

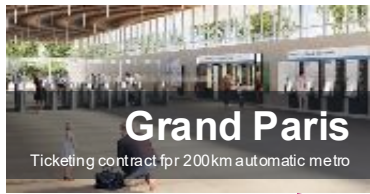





**Our vision is to make
tomorrow's passengers'
life easier - TODAY**

**We simplify payment and build a more
sustainable mobility accessible to all**
As **local teams of empowered experts** we deliver
enduring and agile solutions globally
We **collaborate** with the domain **ecosystem**

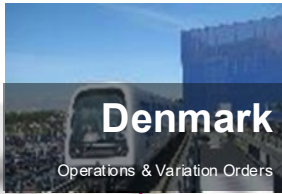
-TIER#1 TICKETING SUPPLIERS WORLDWIDE
TIER#1 PARKING SUPPLIER IN FRANCE



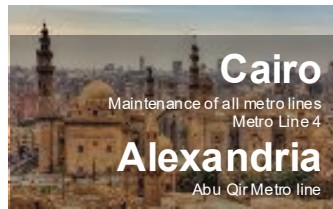
Grand Paris
 Ticketing contract for 200km automatic metro



Netherlands
 Multi-operator EMV nationwide roll-out
 NS SLA 8 years contract
 New GVB station Zuid
 Qbuzz x000 EMV validators



Denmark
 Operations & Variation Orders



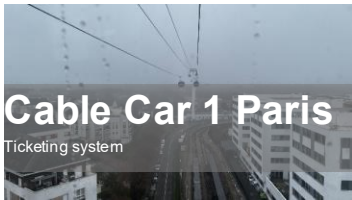
Cairo
 Maintenance of all metro lines
 Metro Line 4
Alexandria
 Abu Qir Metro line



Bangkok
 EMV in Transit
 Orange Metro Line



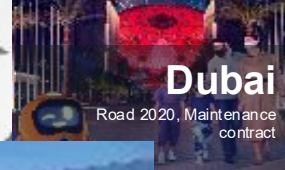
Hong Kong
 Maintenance for 6 Metro lines
 EMV & QR code payment updates for tramways



Cable Car 1 Paris
 Ticketing system



Parking in France
 Charles de Gaulle Airport
 Paris Train Stations (e.g. Montparnasse)
 Numerous Cities in France
 Including Mont St Michel

Dubai
 Road 2020, Maintenance contract



Taipei
 EMV and QR code payment on gates




Singapore
 Gate replacement



Santo Domingo
 New Back-Office Ticketing contract



Abidjan
 Metro AFC



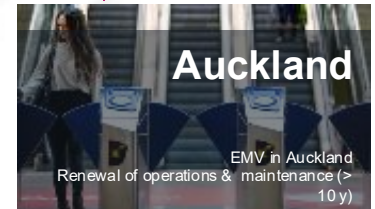
Delhi
 Gates upgrade & delivery with EMV/NCMC acceptance



Jakarta
 MaaS ABT ticketing platform



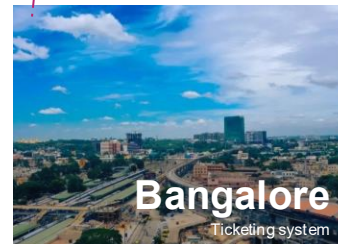
Mexico
 Gates & Ticketing back-office for Mexico-Toluca Train



Auckland
 EMV in Auckland
 Renewal of operations & maintenance (> 10y)



South-Africa
 Bus AFC (POC)



Bangalore
 Ticketing system