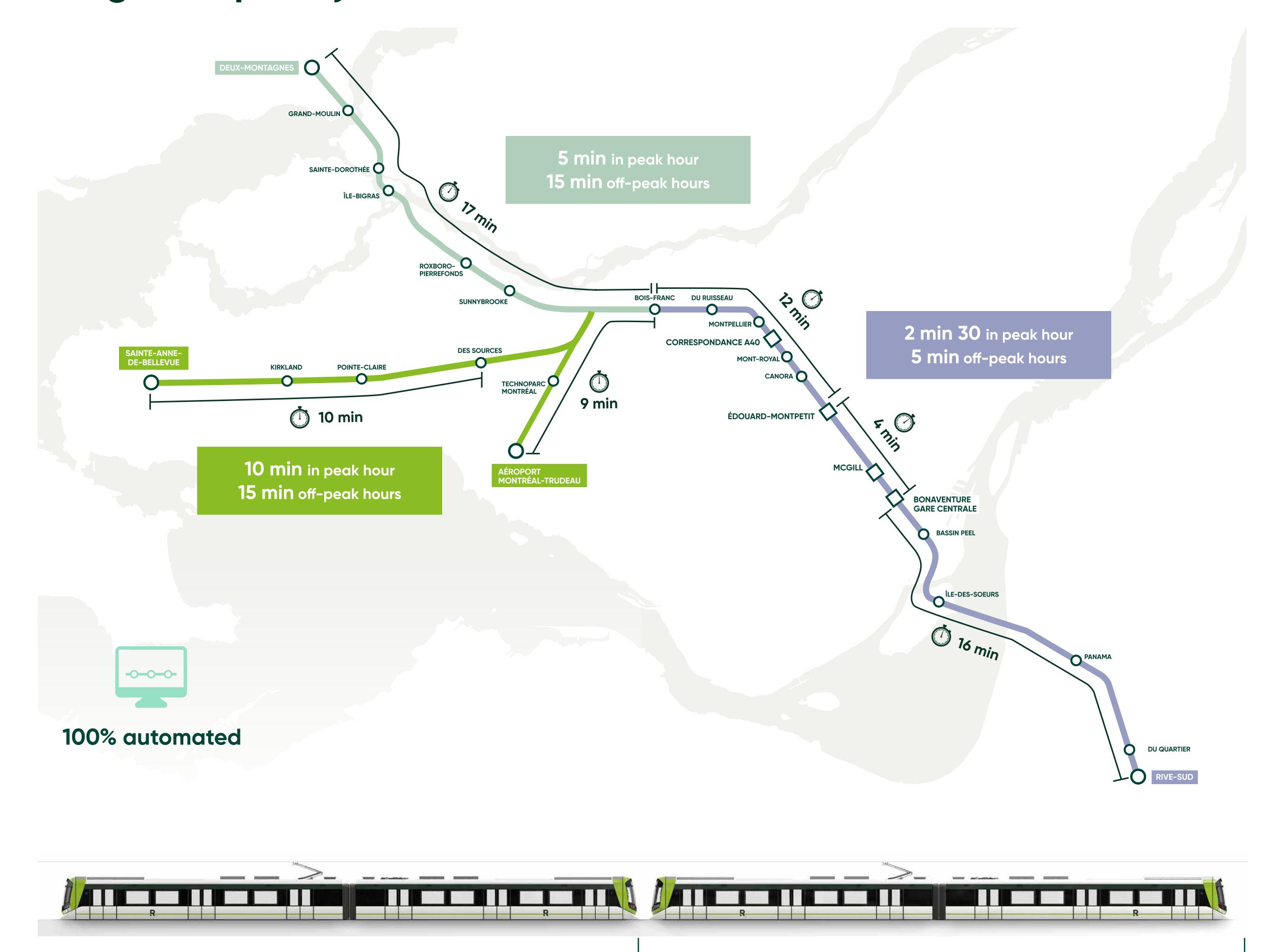
Reliability and efficiency

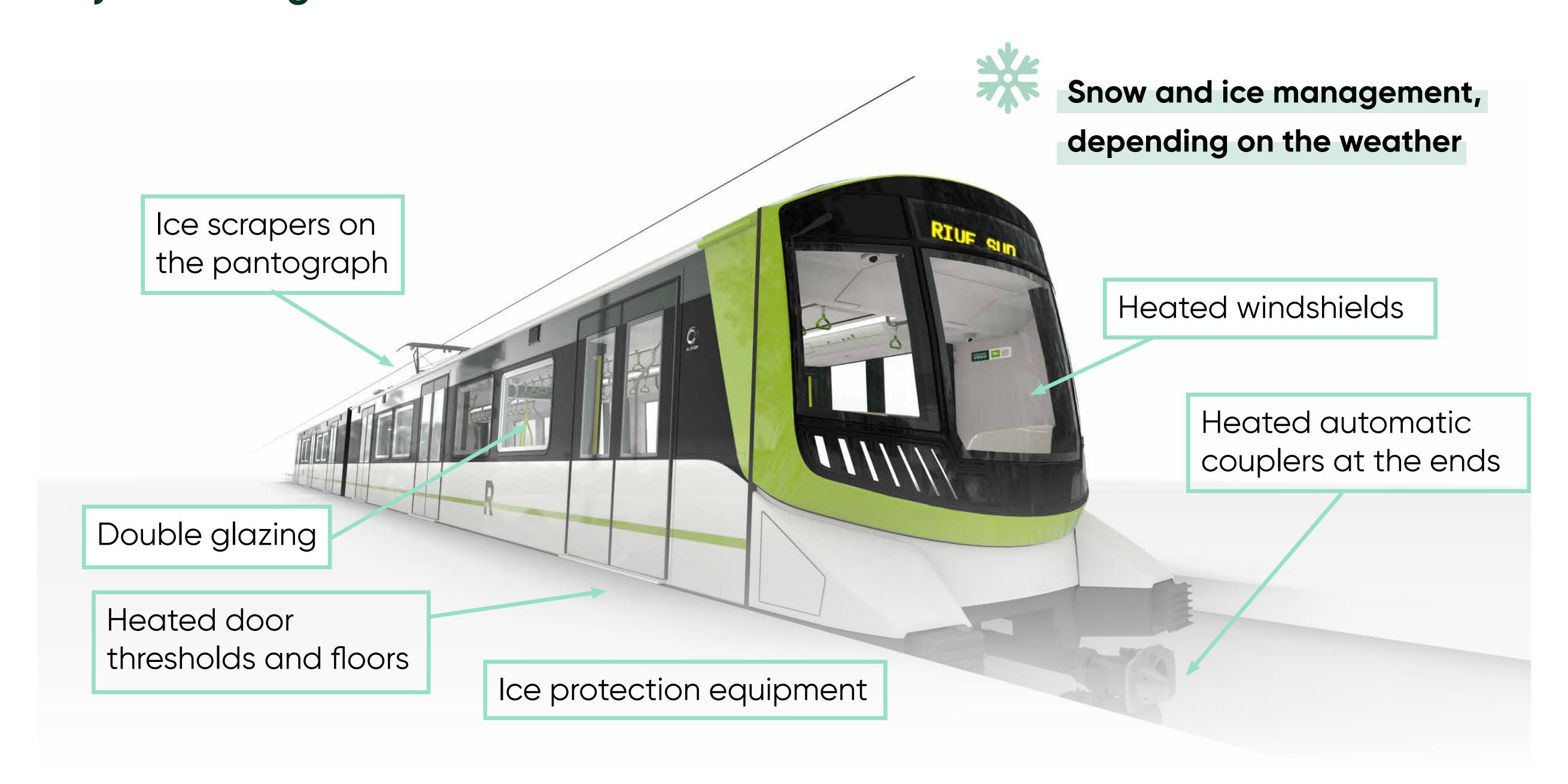
A high-frequency metro



4 cars during peak hours

2 cars during off-peak hours

A system designed to tackle Québec winters





Winter climate testing phase prior to commissioning in one of the best climatic chambers



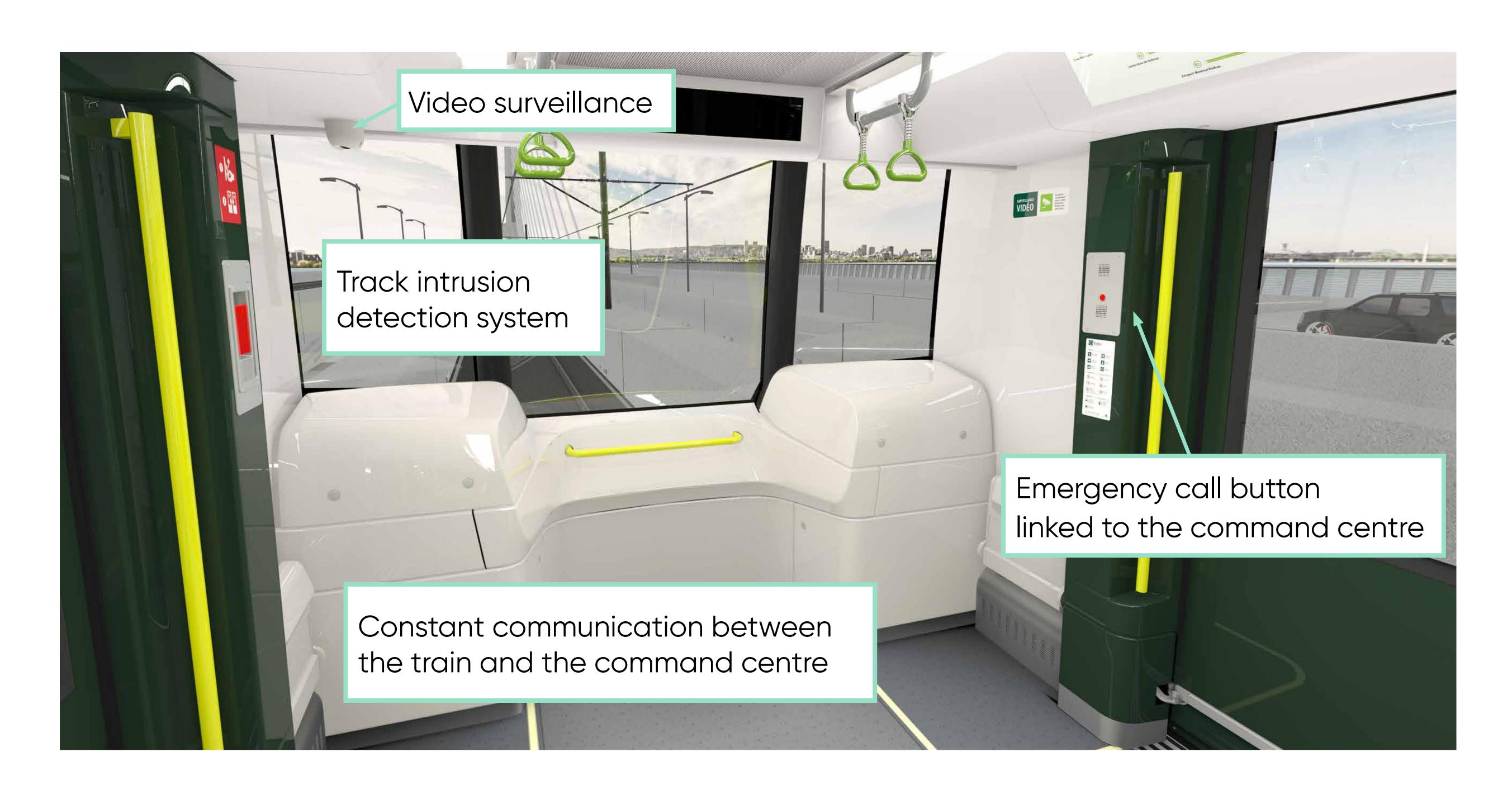
Security

Automation and command centre

Automated metros have shown high levels of resilience and average reliability rates in excess of 99%



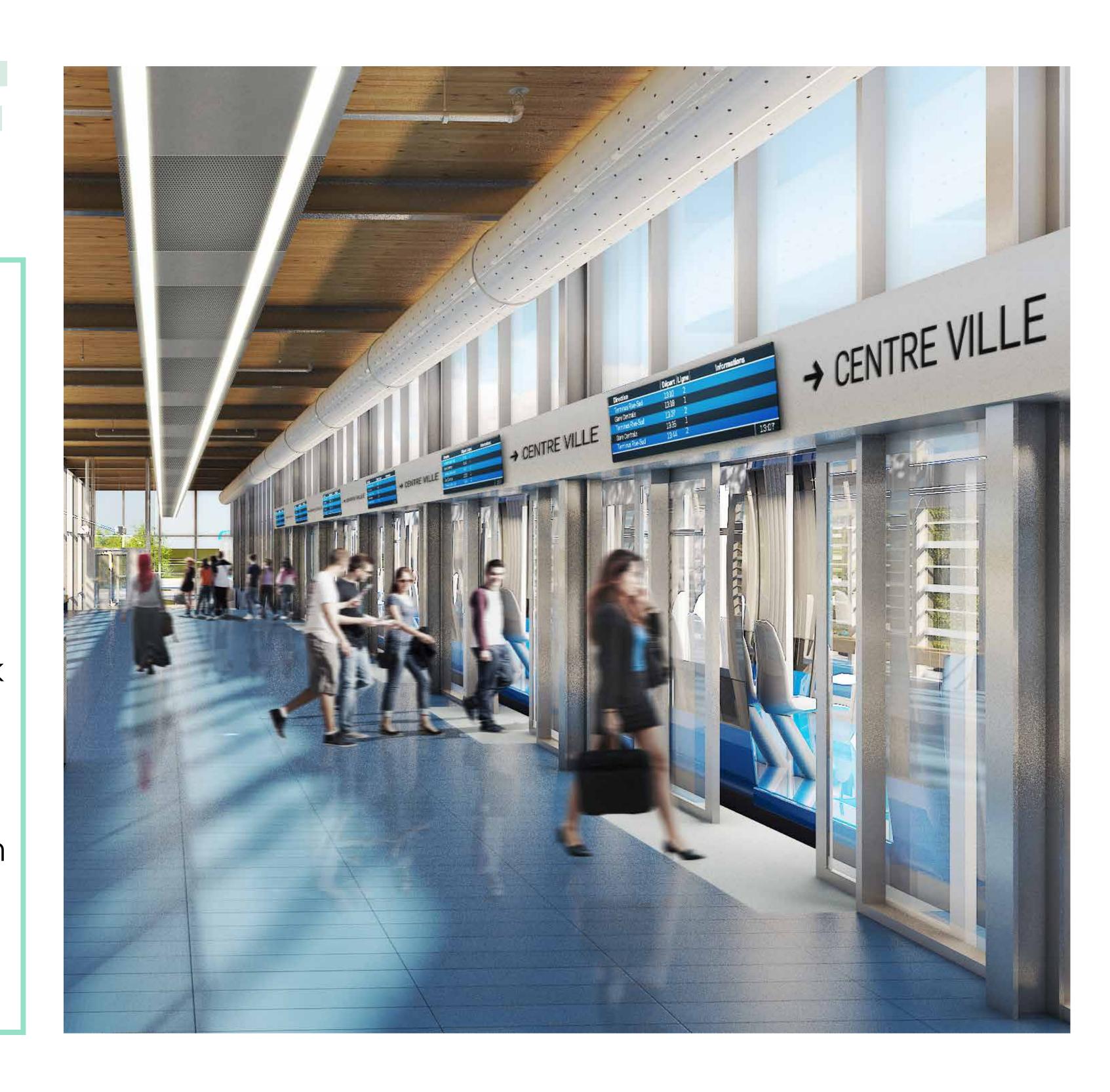
Technology that has been proven in several countries across the globe



Platform screen doors

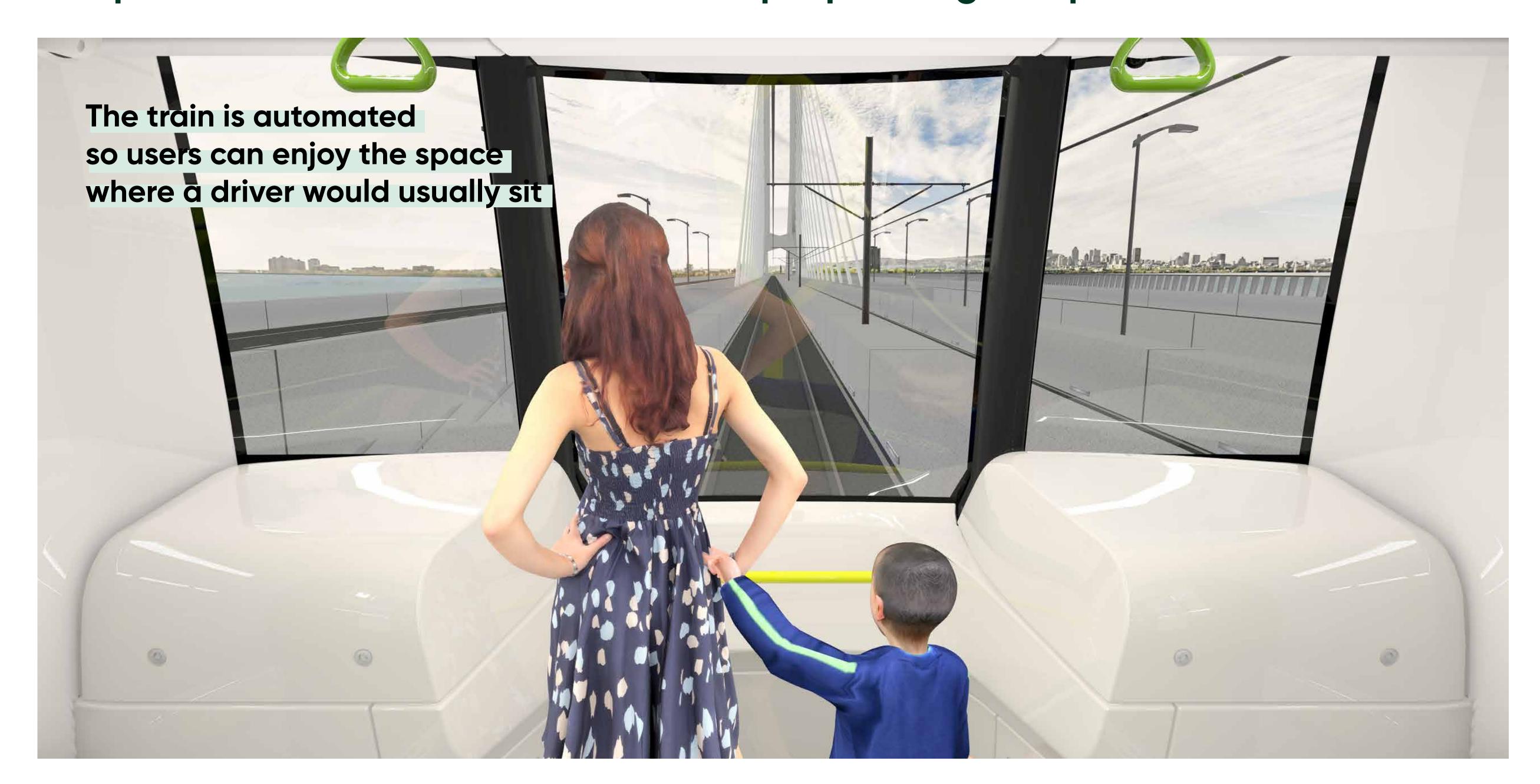
In addition to protecting users, the platform screen doors significantly increase the reliability rate

- Prevents passengers from falling on the tracks and reduces the risk of accidents
- Allows for better insulation of stations as the temperature and ventilation can be more effectively monitored
- Reduces the energy consumption of the REM network
- Prevents the piston effect caused by the movement of trains (the air stream felt by passengers that can knock them off balance)
- Allows for fluid entry and exit of passengers

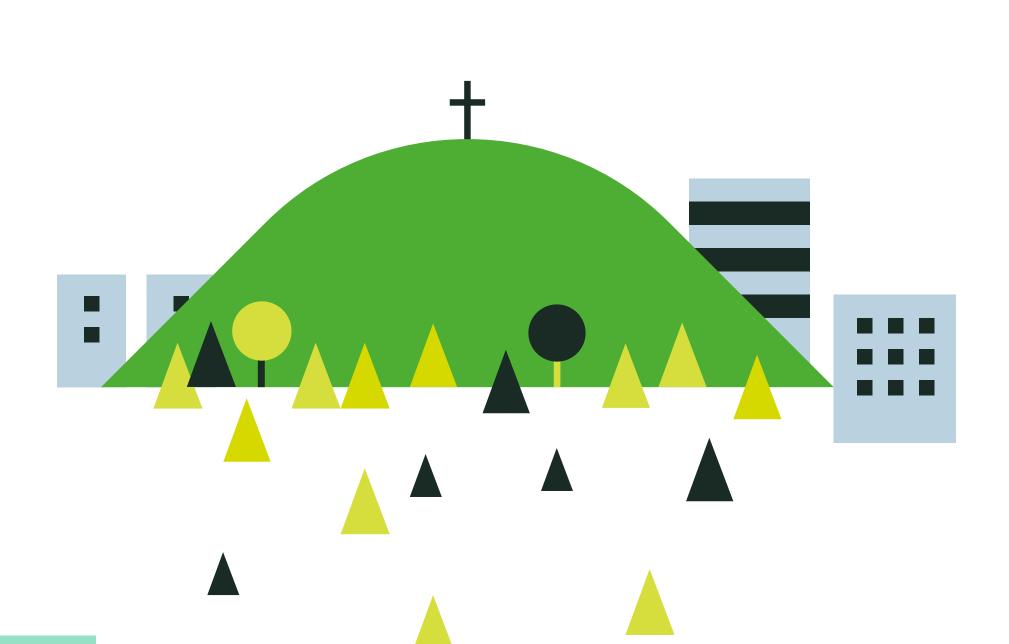


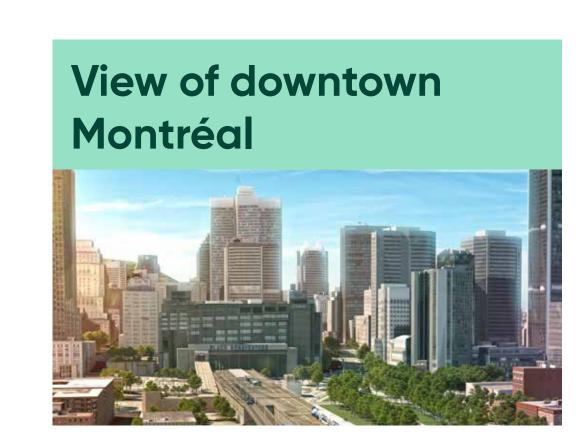
Passenger cabin

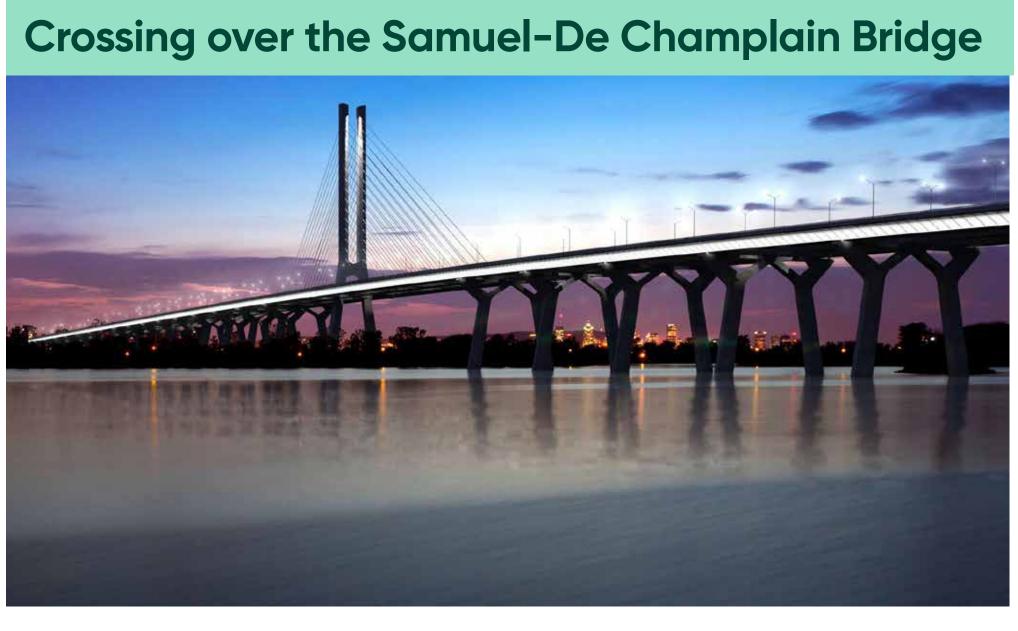
Wraparound window at the front: a unique passenger experience



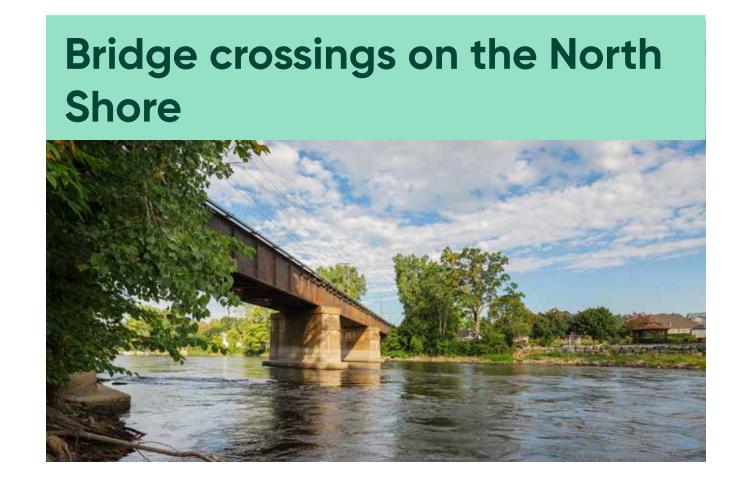






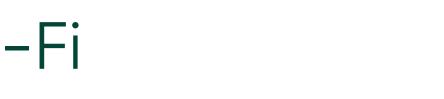


Breathtaking views of Greater Montréal



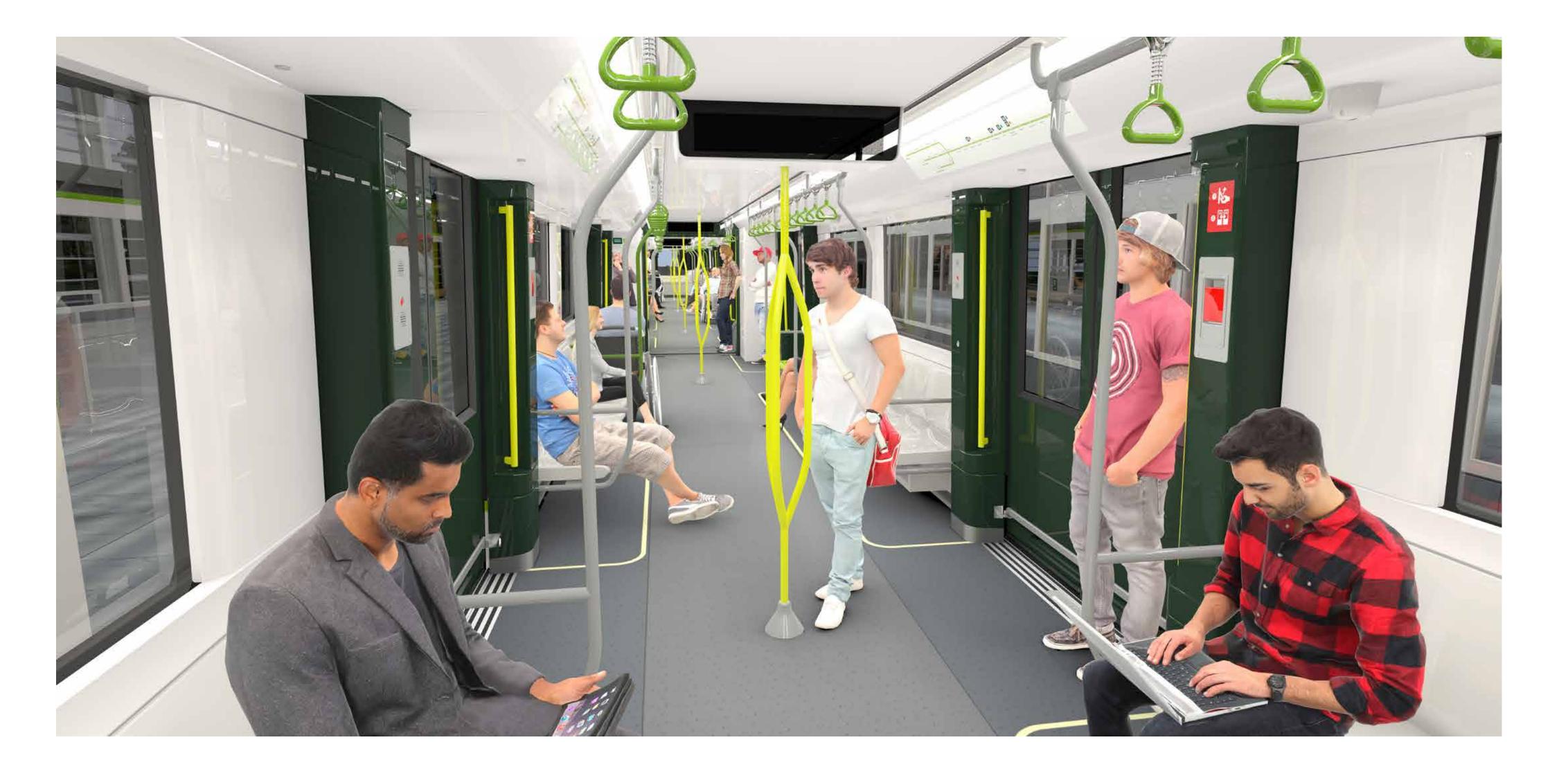
Services and comfort







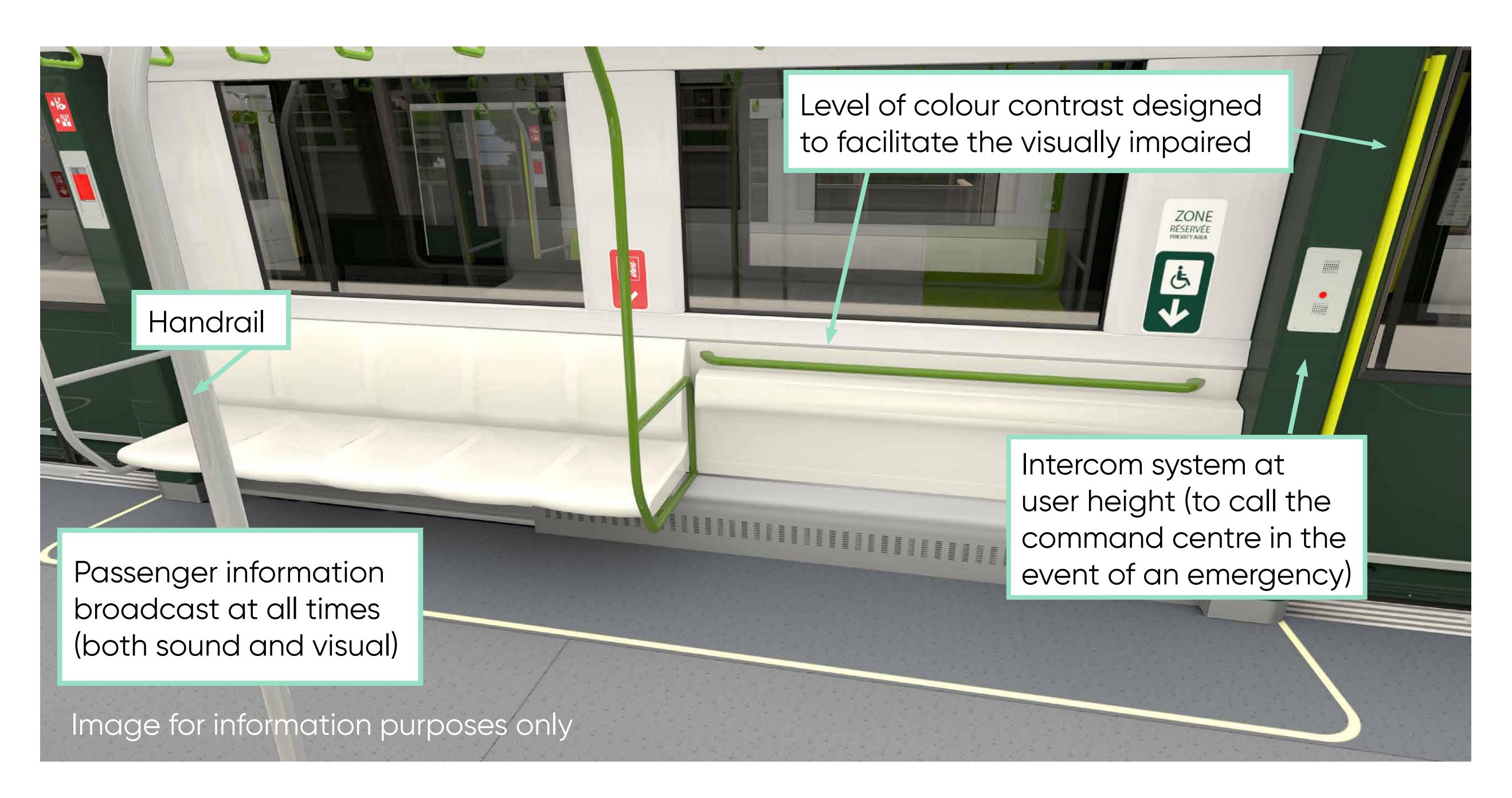


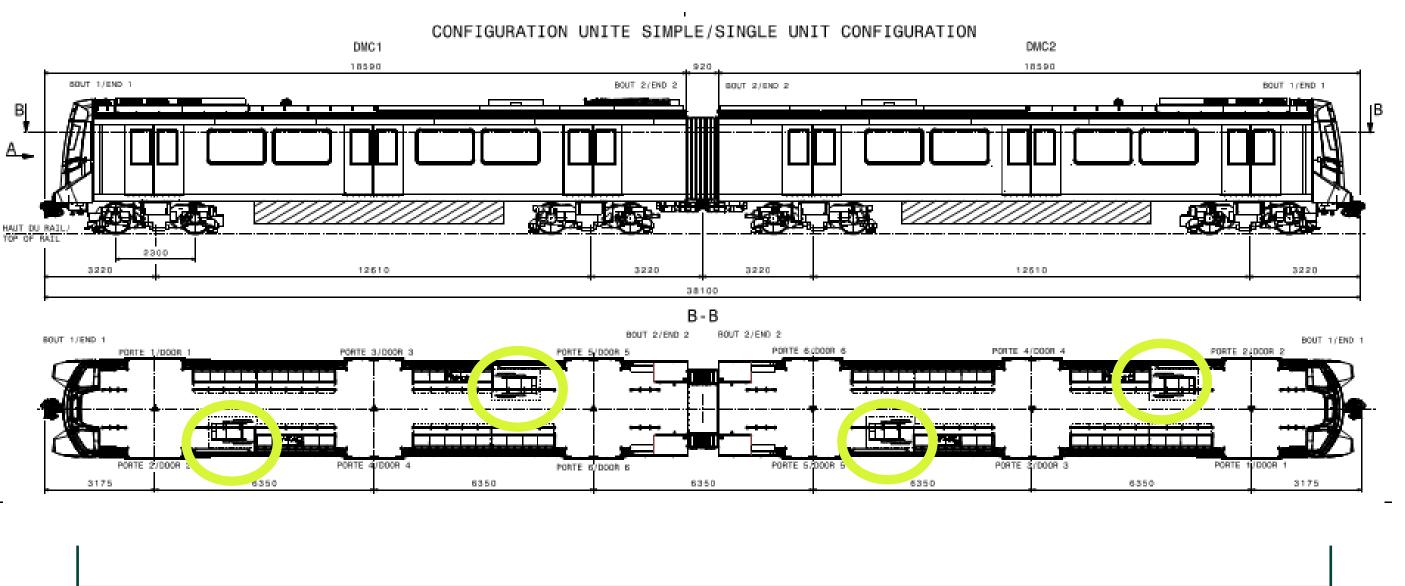




Accessibility and passenger movement

Universal access





4 reserved spaces per off-peak hours departure 8 reserved spaces per peak hours departure Universal access required from the outset and consultations aimed at making adjustments to address specific needs

Free-flowing passenger movement



Reserved space for:





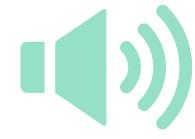






Signage and soundscape

Audible signals



An audible signal when doors open and close and when the train departs from or arrives at a station, for example

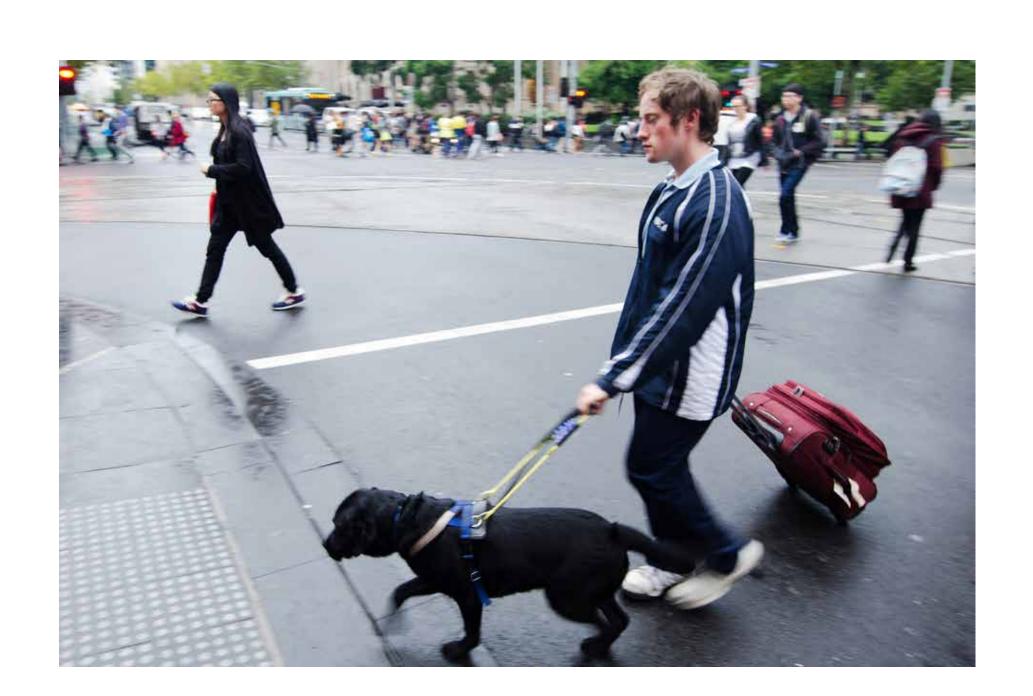


A characteristic and audible voice announces passenger information



Sounds facilitate the movement and traffic of **all users**, including the visually impaired





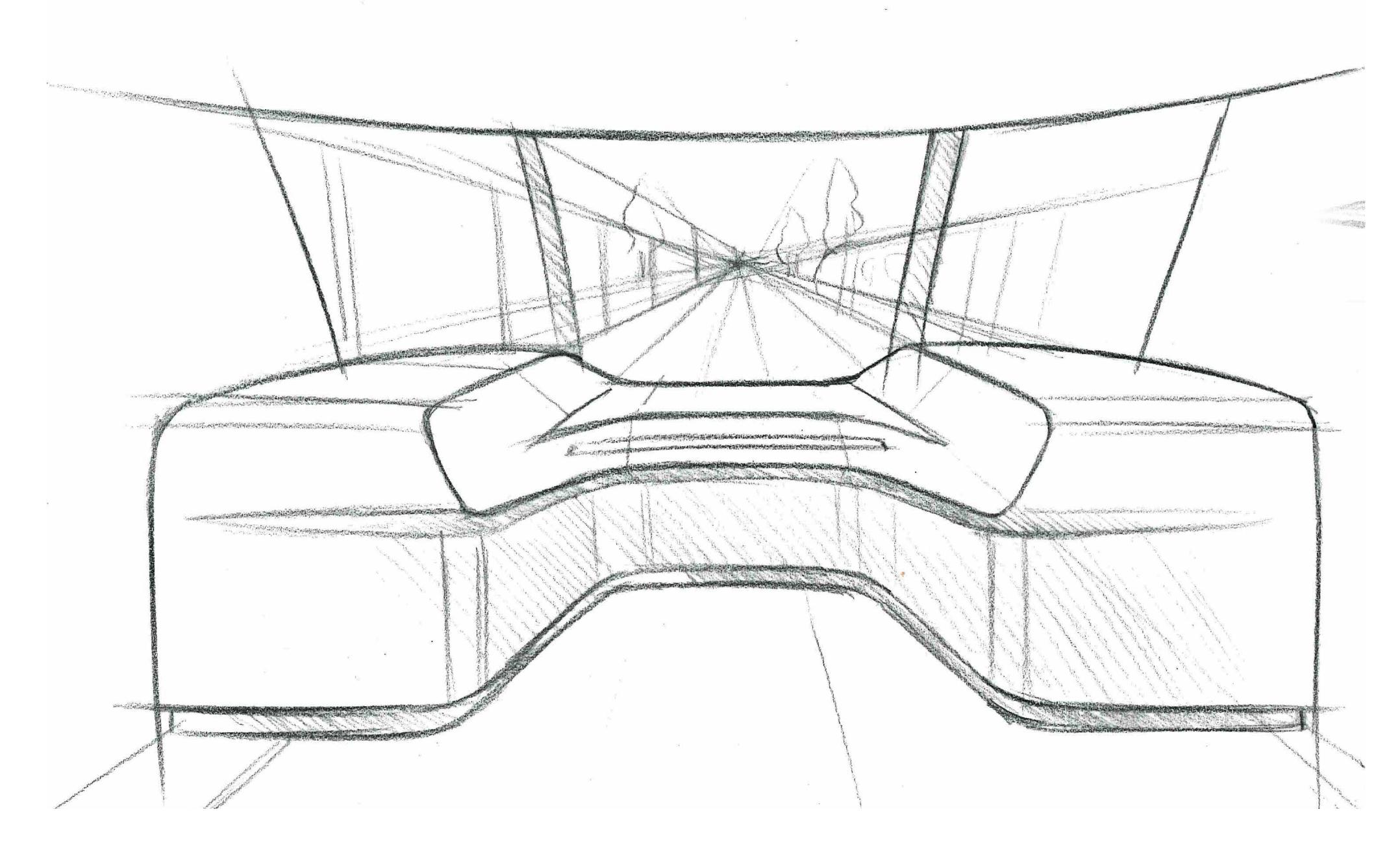
Soundscape

In addition to providing audible signals, how can sound enhance the user experience and highlight the surrounding landscape



A user experience that can:

- Change over time (seasons, special events, time of the day, etc.)
- Highlight the impressive views offered by REM routes
- Enhance the user experience and create a sense of well-being





26 integrated and enclosed stations

Enclosed stations





REM stations will be inside enclosed and sheltered buildings. Passengers will be protected from inclement weather while they wait on the platform



Sheltered stations

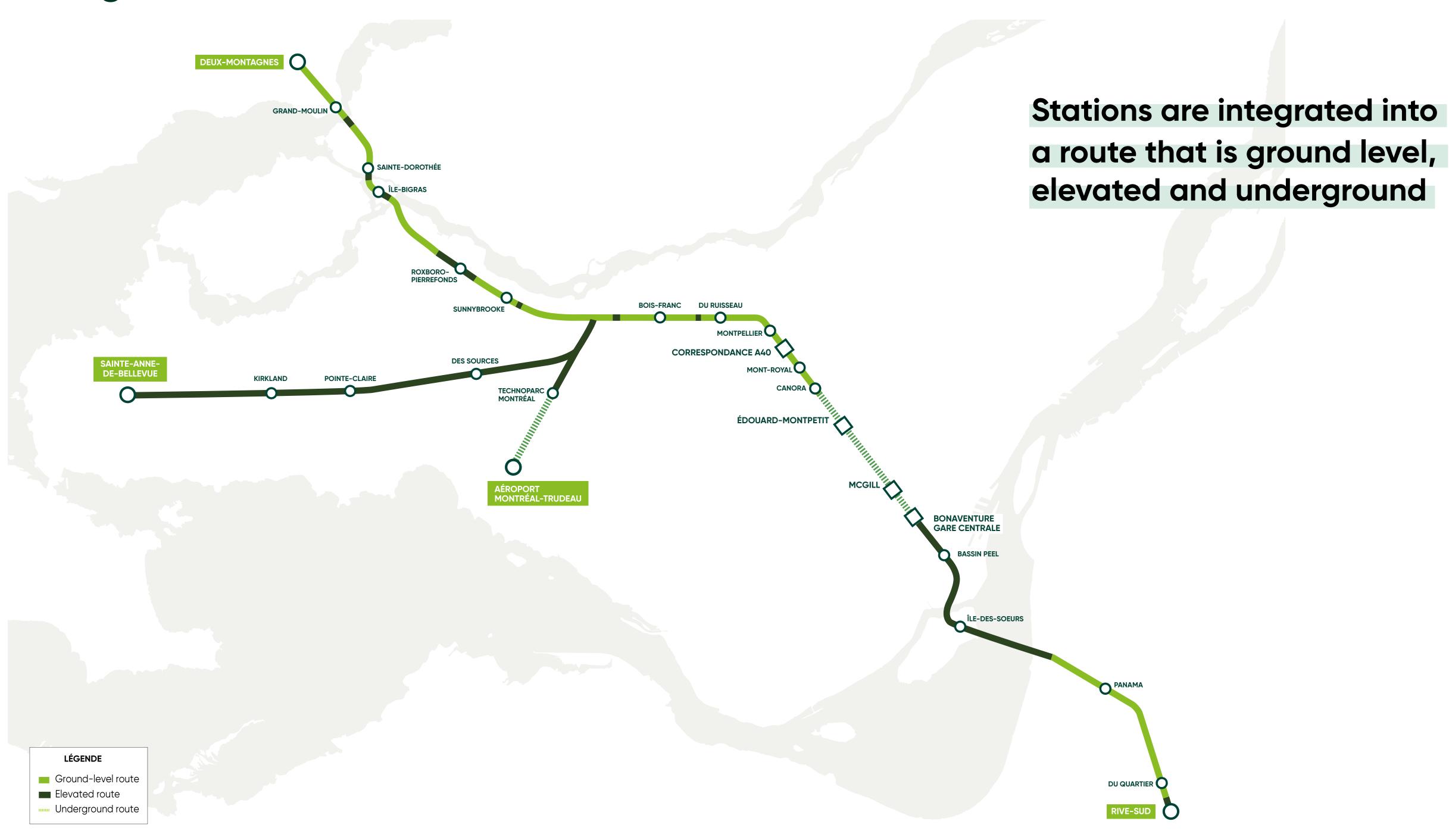


Wi-Fi

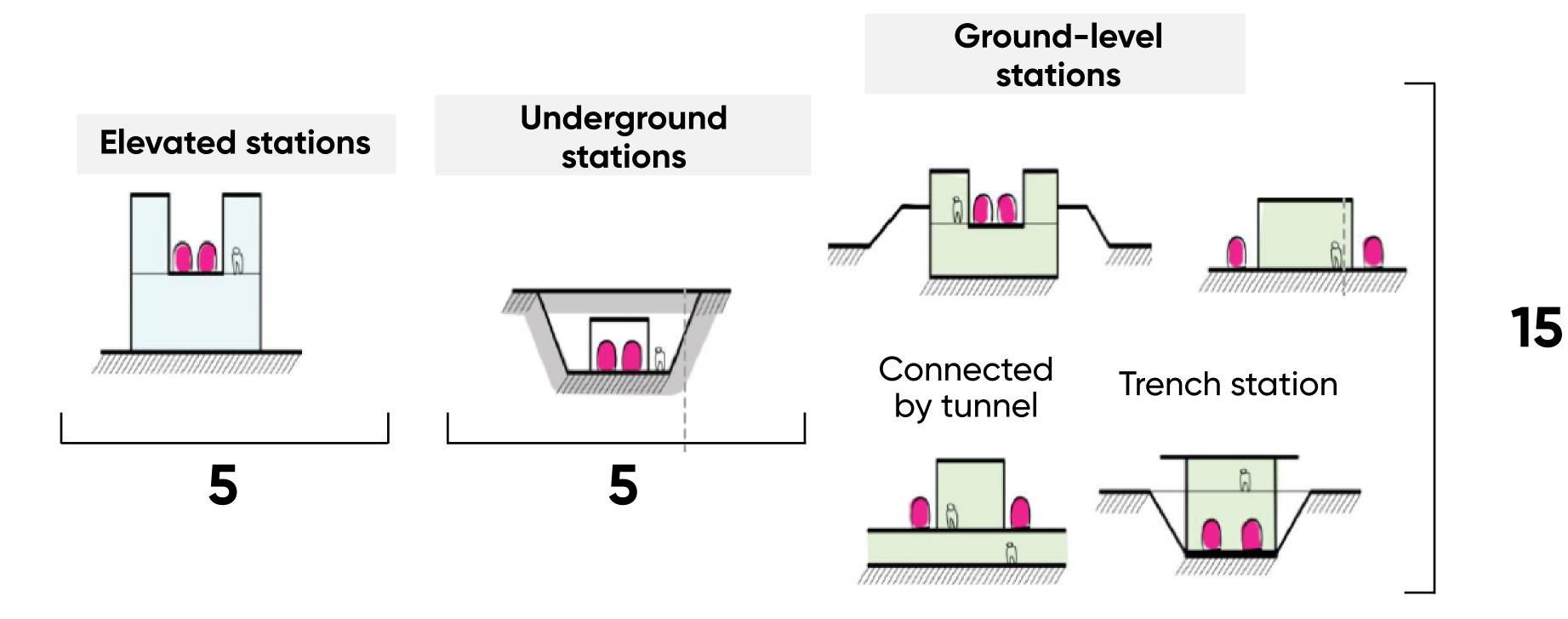


Platforms are 80 m long

Categorization



Removal of existing level crossings along the Deux-Montagnes lines, for optimal security.

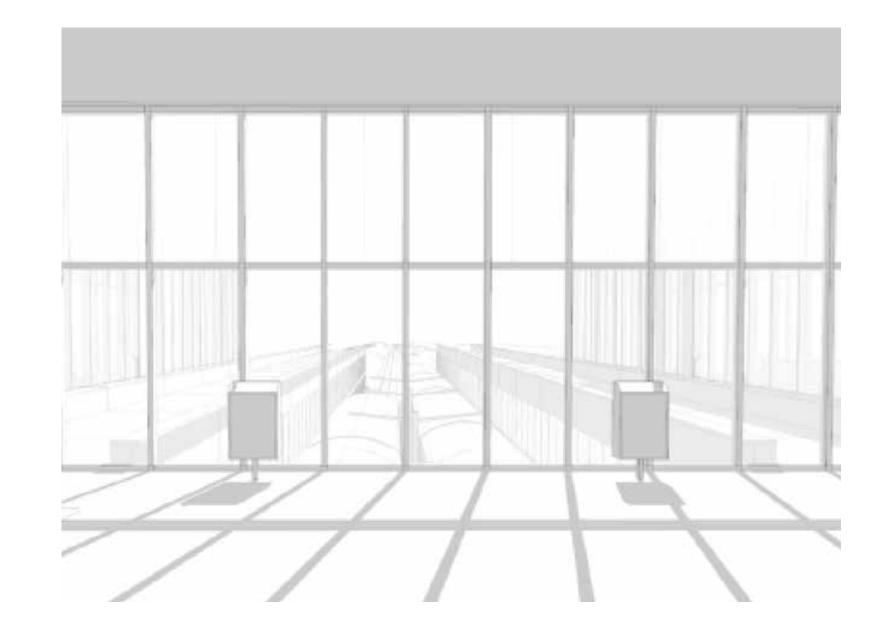




Architecture

Materials and design principles

Glass





In order to let in as much natural light as possible and for increased safety, the stations are transparent (the concept of seeing and being seen). Fritted glass is used to filter the light.

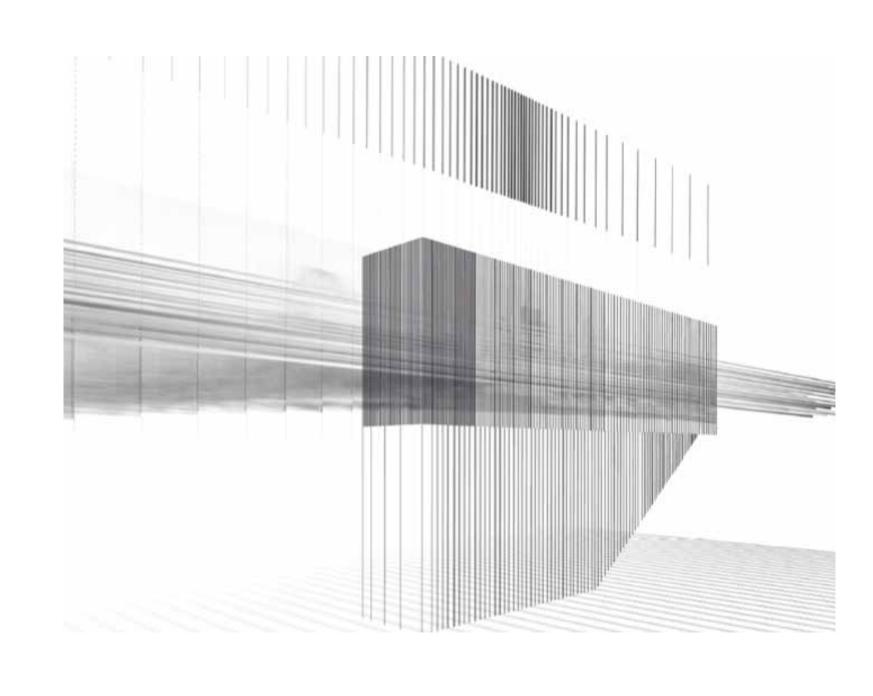
Wood





Wood is used on station ceilings to provide warmth in the space. This material is used throughout the building and is an integral part of the architectural concept.

Movement





The expression of movement is a theme that is interpreted in a different way in each station. The use of horizontal and vertical lines serves to express movement in the stations.

Colour strategy

So as to represent the passenger's journey, each branch of the network may be identified by a particular colour that would be visible in the stations, furniture and vegetation.

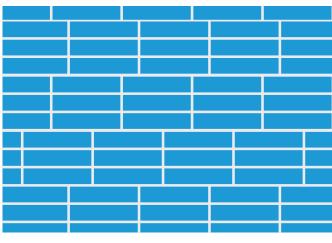






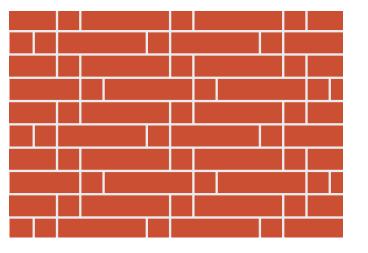












Coloured surfaces will be visible throughout the stations (tiles, for the most part)



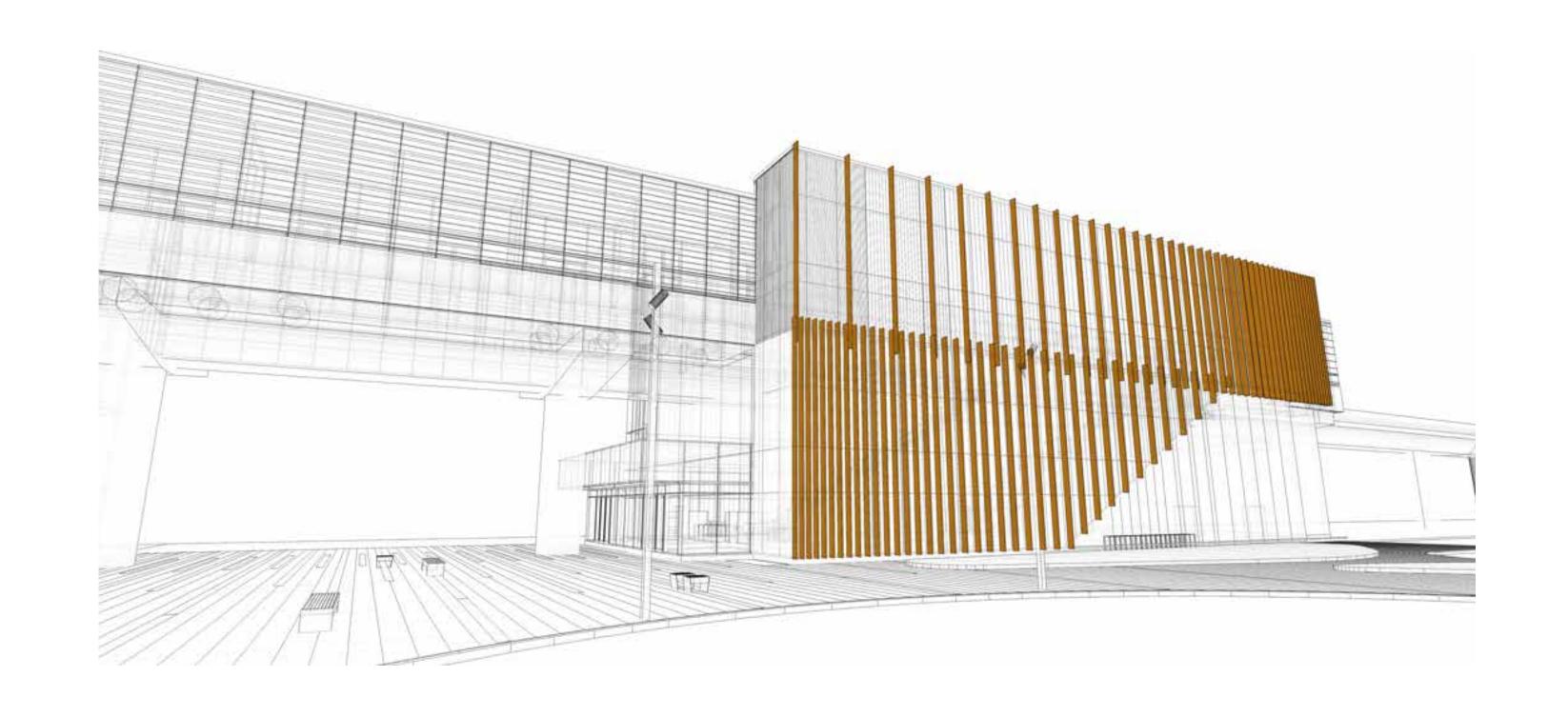
Architecture

Signature stations

Vertical screens will be used to integrate the stations into their surroundings while highlighting their distinctive characteristics. This will facilitate:

- The creation of a filter for the light
- The creation of depth perception effects that align with the architectural language
- The creation of movement that passengers can see while the train is in motion
- Better integration of the stations into the neighbourhoods

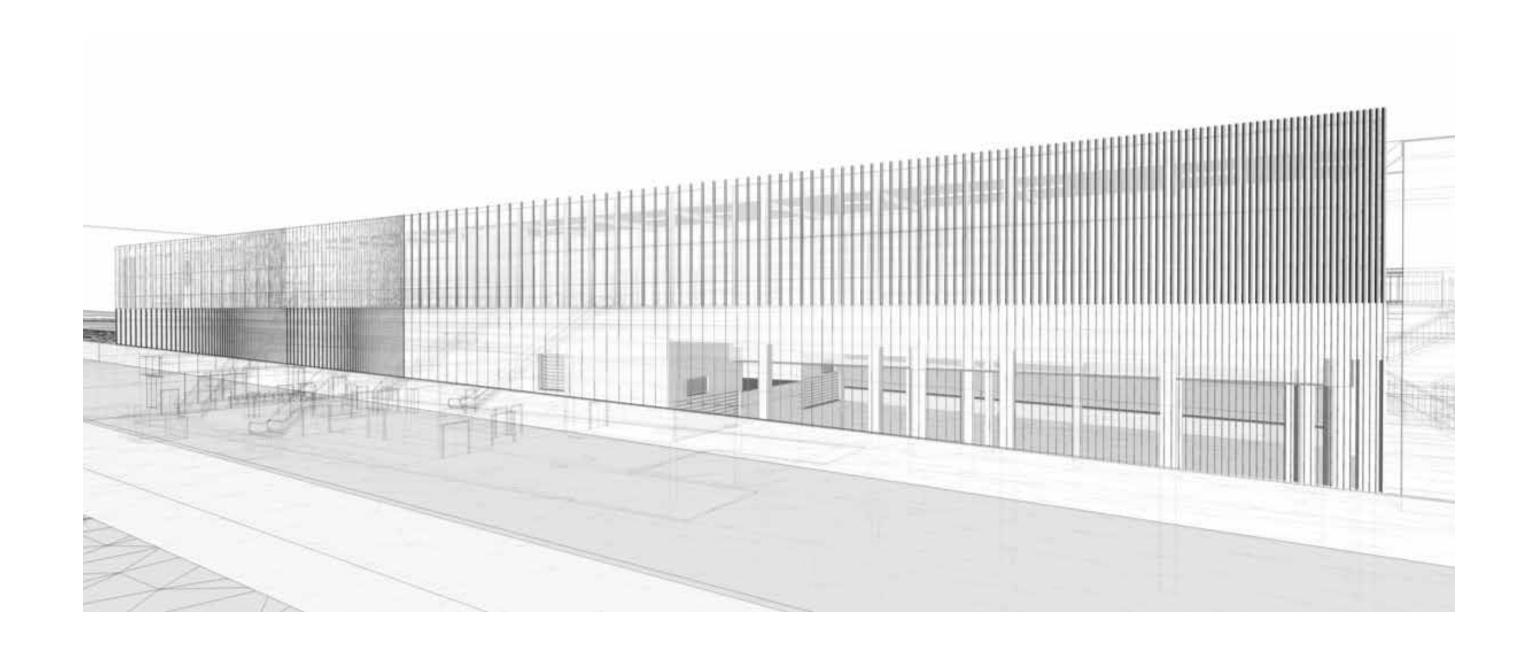
Deux-Montagnes





The station will be integrated through the addition of a screen of vertical slats that recall the wood inside the station and the surrounding natural landscape

Île-des-Sœurs





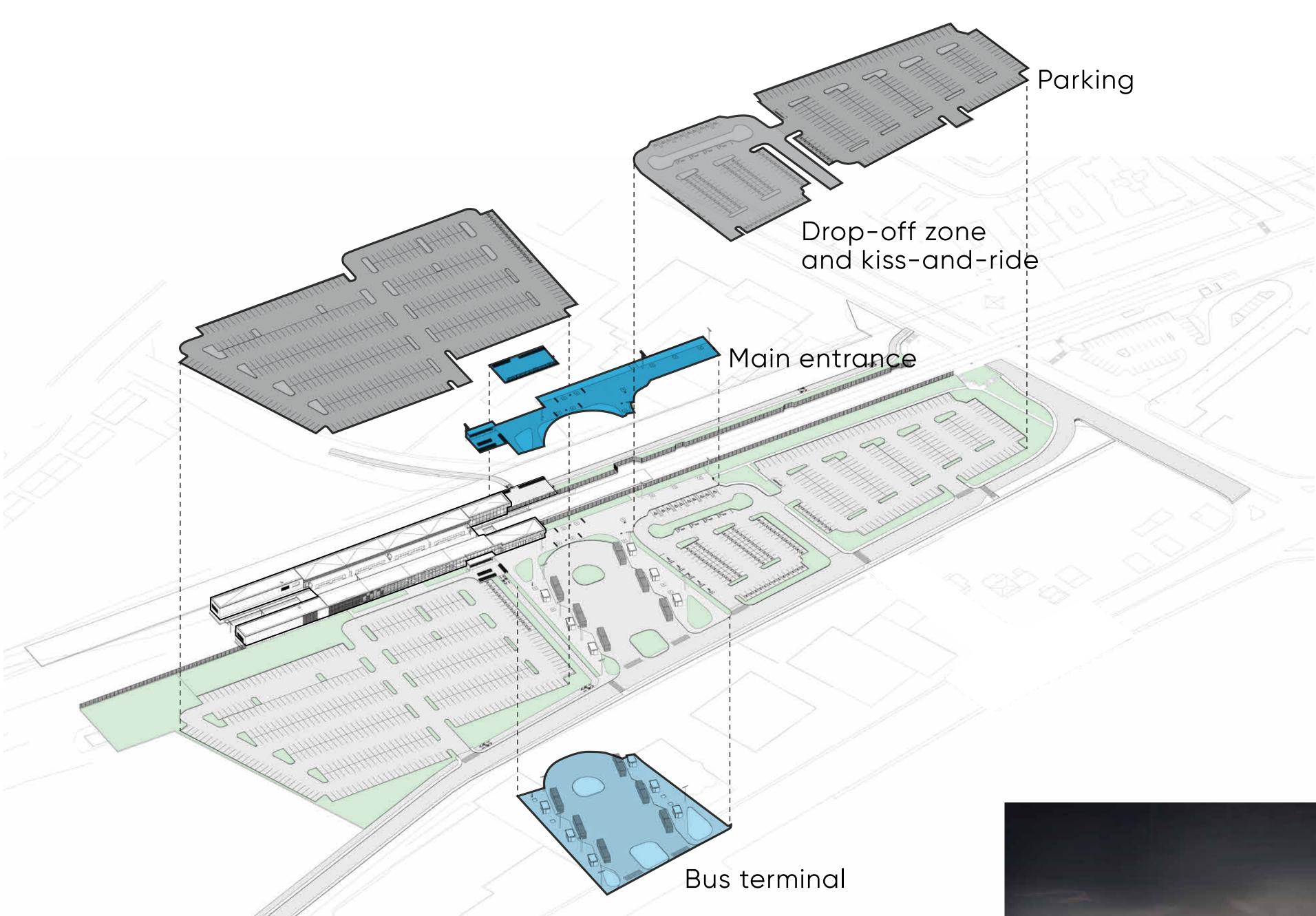
In a nod to the transit corridor of the new Samuel-De Champlain Bridge, cables will be used to create a screen that is reminiscent of the bridge's cables





Onsite amenities and user routes

The onsite zones



Across the entire network:



Bus platforms: 105 platforms



Parking:

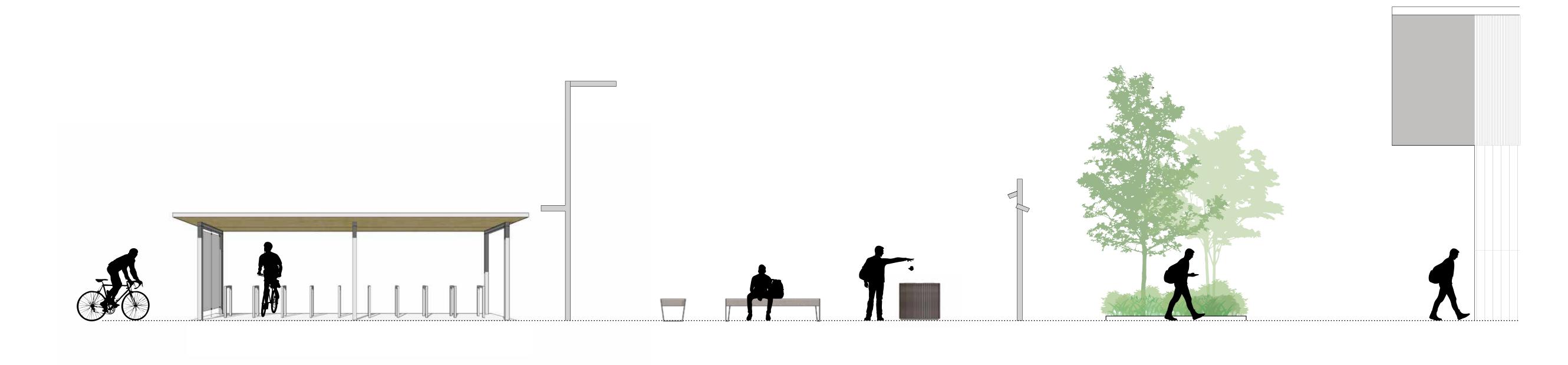
± 9500 spaces



± 1400 racks

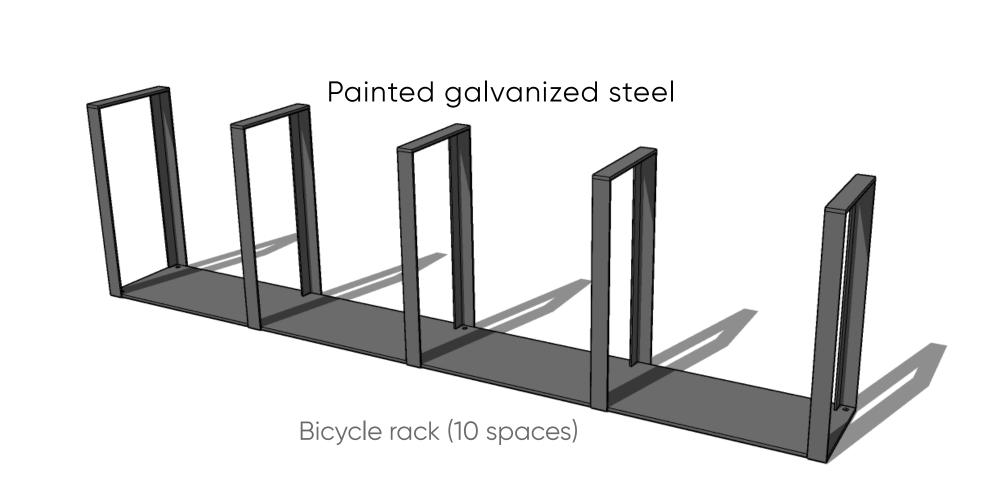


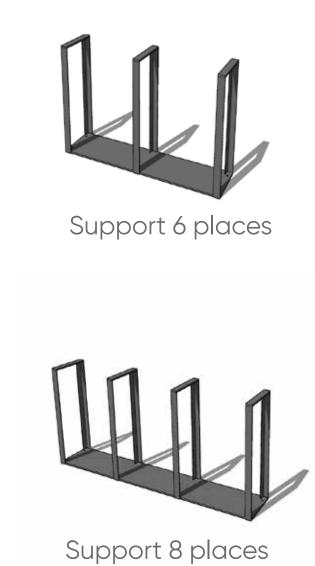
User routes

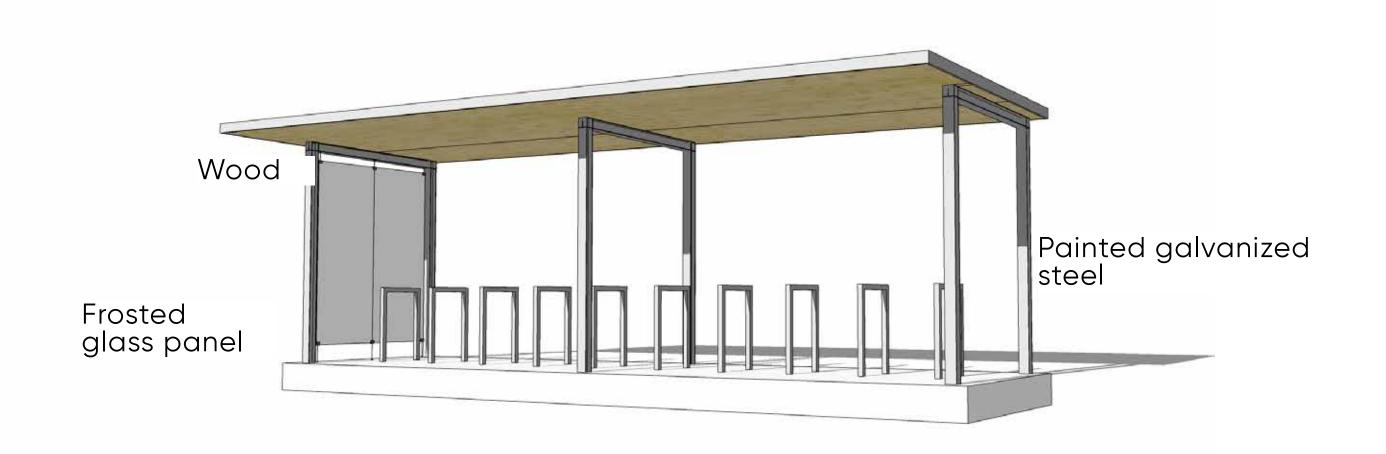


Bicycle racks and bus shelters





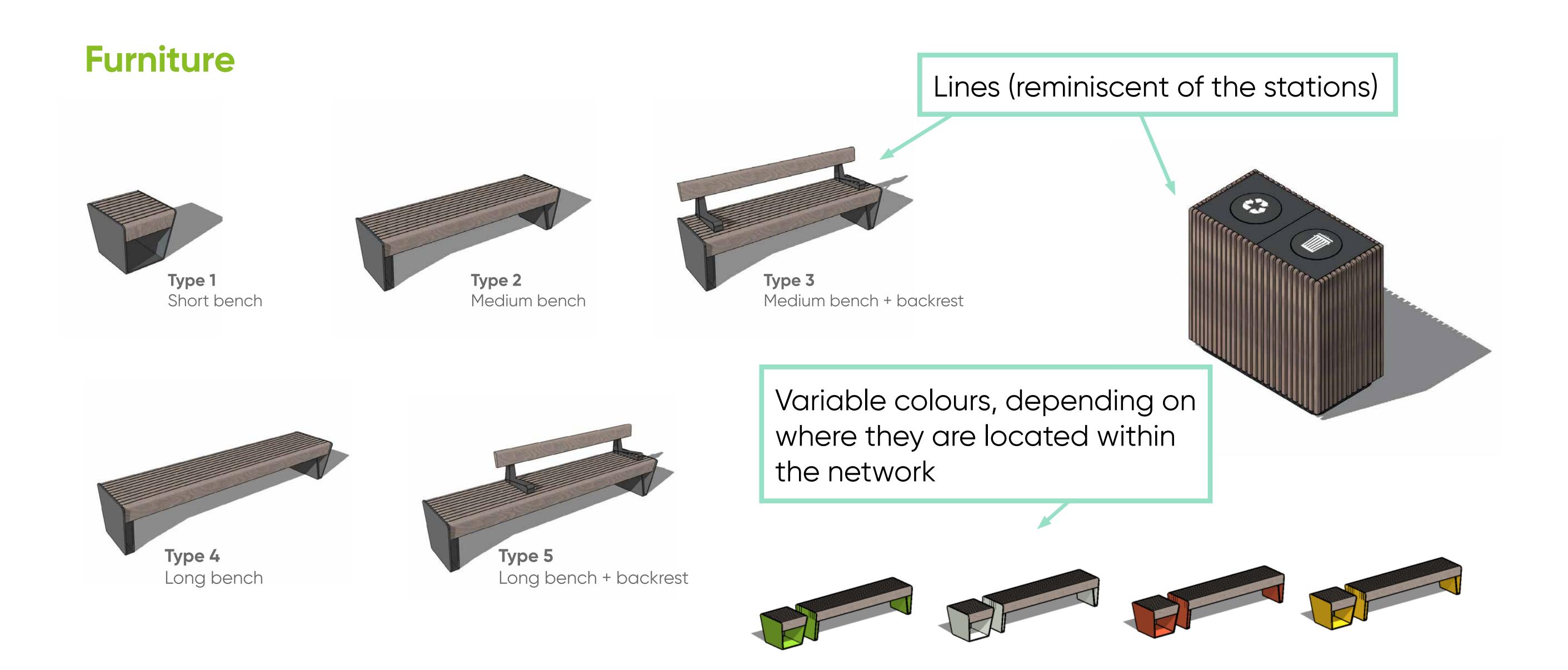




The use of wood and glass in the bus shelters and bicycle rack zones is reminiscent of the station architecture



Onsite amenities and user routes (cont'd)



Vegetation

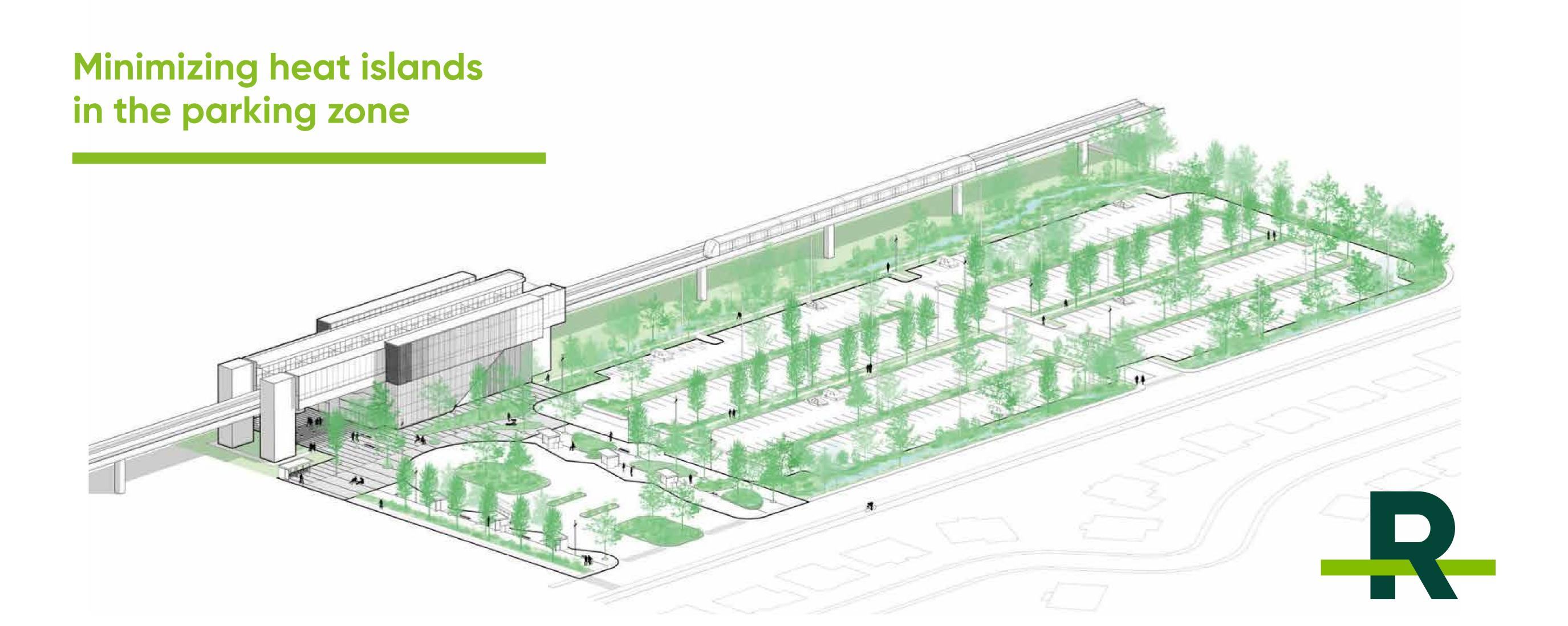
Vegetation of various colours and varieties will be planted on the station sites. The choice will be influenced by the colour strategy of the architectural charter





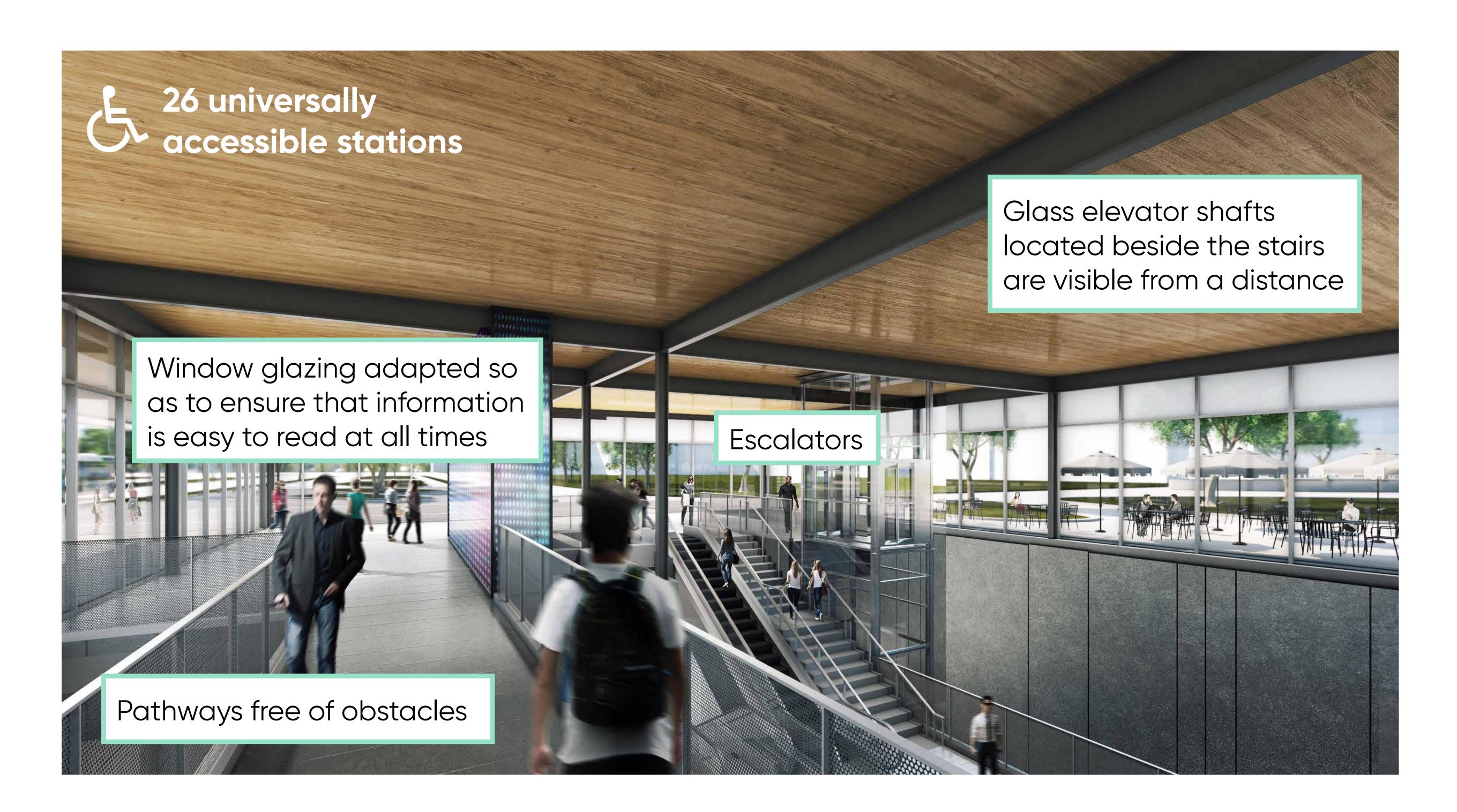
Placement of the vegetation:

- Main entrance
- Between the site and the tracks
- Parking zone and pedestrian walkway



Accessibility and passenger movement

Universal access



Toponyms and signage



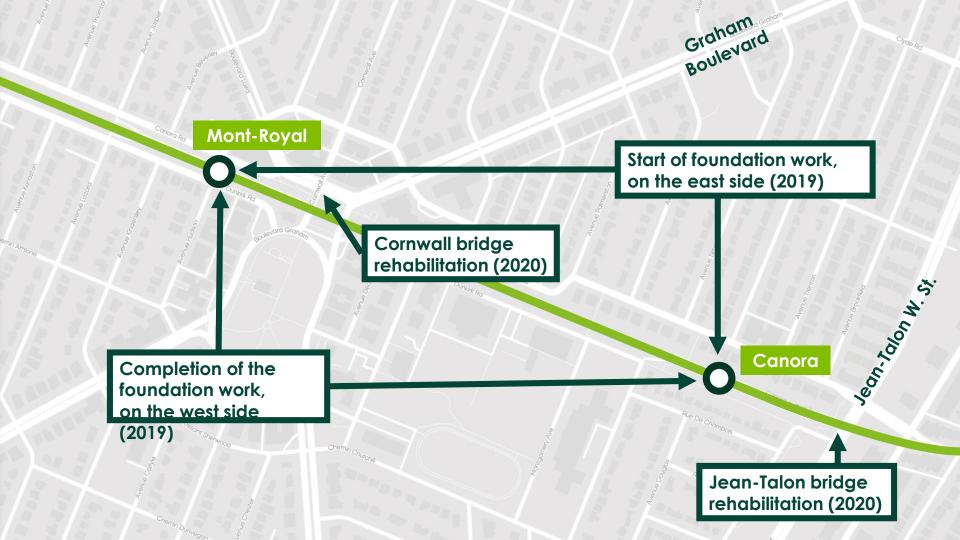


Consultation is underway with partners and citizens to ensure that REM signage is integrated into that of the metro, bus and commuter train networks

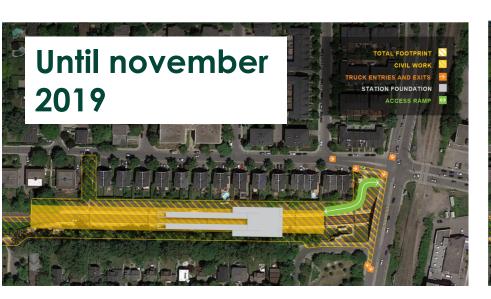


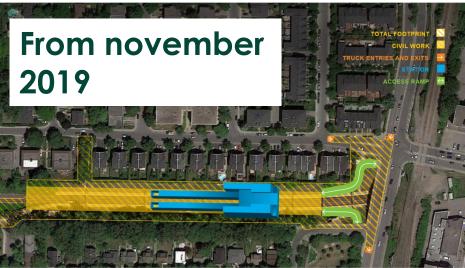
Work schedule





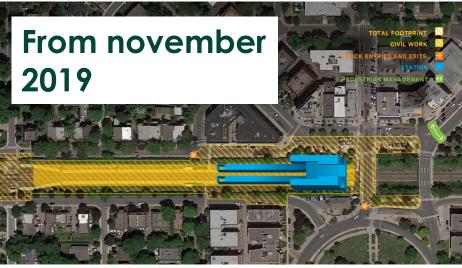
Canora station footprint





Mont-Royal station footprint





MONT-ROYAL-CANORA



MONT-ROYAL-CANORA

