

SAN FRANCISCO, USA

# INNOVIA APM 100

Automated people mover system



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Entering service in February 2003, the **BOMBARDIER\* INNOVIA\* APM 100** automated people mover system at San Francisco International Airport connects three terminals with the international terminal.

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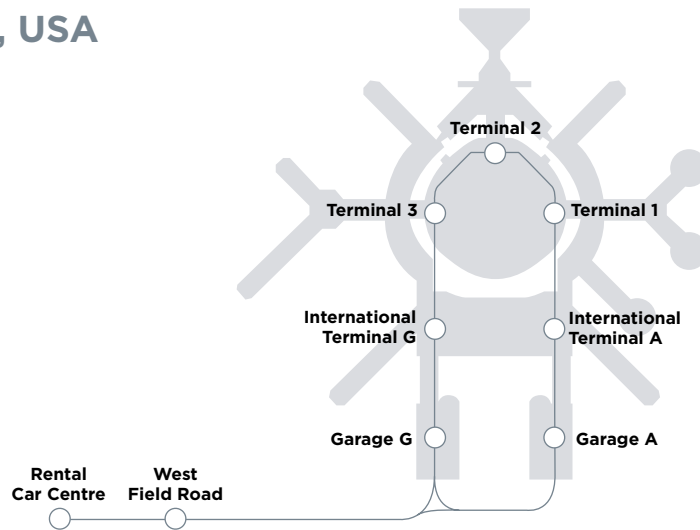


Spacious interior of SFO AirTrain

Known as SFO AirTrain, the two-line system also links the airport's parking garages, rental car center and a Bay Area Rapid Transit station. With a fleet of 38 vehicles, the fully automated system operates on six miles of elevated guideway and stops at nine passenger stations along the route.

SFO AirTrain was the world's first automated transit system to feature the state-of-the-art **BOMBARDIER\* CITYFLO\* 650** communications-based train control technology.

# SAN FRANCISCO, USA



## Project History

In service	2003
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## Major Subsystems

Train control	CITYFLO 650 moving block
Power supply	600 Vac
Power collection	Guideway-mounted power rail
Traction power substations	5
Communications	Public address system, vehicle radio, CCTV, dynamic signs, phone system

## System Description

System type	INNOVIA APM 100
System operation	Loop and pinched loop, driverless
System length	6 miles
Number of lines	2 (1 single-lane pinched loop, and 1 loop)
Vehicle fleet	38
Peak-hour capacity**	6,000 pphpd
Maximum grade	3.5%
Average line speed	
• inner loop	15 mph
• outer loop	11 mph
Guideway length elevated	100%
Intermodal connections	Bay Area Rapid Transit, rental car centre

## Vehicle Data

Type of vehicle	INNOVIA APM 100
Quantity ordered	38
Train consist	2-car and 3-car trains

## Fixed Facilities

Maximum guideway height	70'
Switches	31 active
Number of stations	9
Average station spacing	1,584'
Platform length	120'
Station features	Public address system, CCTV, automatic platform doors, station dynamic graphics
Maintenance building location	Offline, north-east of West Field Road
Maintenance building size	100,000 ft <sup>2</sup>
Yard storage capacity	15 vehicles
Yard operation	Semi and automatic

## Services

Contract type	Operations and maintenance
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\*\*Ultimate INNOVIA APM 100 capacity is dependent on train and system configuration.

## Bombardier Transportation

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