



SIEMENS



Paris Orly Airport (France)

ORLYVAL

Val fully automated metro system - Turnkey project

Turnkey contract including civil and system works.

Fully automated AGT system without driver or on-board attendant.

Airport environment : EMC requirements, patronage (airline passengers and employees travelling to and from the airport, and between each terminal).

Automated modes of operation : fork type operation (Y junction) in order to accommodate the merging of two operating branches, pinched loop operation, short turnback, push recovery with onboard passengers, automatic platform door operation, train schedule synchronization with Paris metro line.

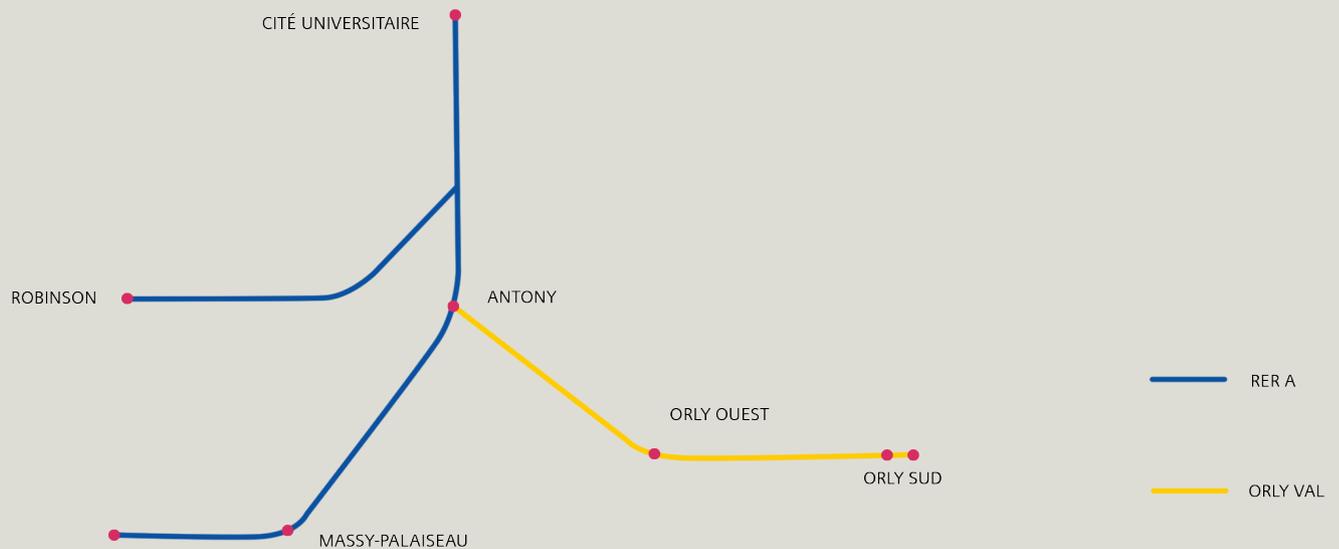
Siemens France was responsible for providing system and civil works for this turnkey contract. Project elements included Automatic Train Control (on board and wayside), control center, signaling, communication systems, platform doors, power supply, vehicles, depot, technical buildings (including stations), track, and civil works (at grade viaduct and tunnel).

Siemens France also undertook the contract for operations, maintenance and training, and level 3 corrective maintenance.

Siemens France established and staffed the O&M Company and owns 48% of the O&M Company. Level 3 maintenance of rolling stock, ATC boards, communication equipment, platform doors, and operation control center.

Answers for cities.

Technical Information	OrlyVal
Line length	7.3 km
Number of stations	4
Number of vehicles / Car consist	8 Married-Pair Siemens Val 206,
System technology	Fully automated AGT system. Fixed block technology
Contract award	1988
Revenue service	1991
Passengers carried/peak hour	2000 pphpd
Passengers carried annually	2 500 000
Operating hours	20 hours/day, 7 days/week
Type of service	Commercial service between Orly airport and heavy rail line + shuttle between airport and terminals
System Availability Achieved	99.7 %
Commercial speed	49 km/h



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