



SIEMENS

Turin (Italy) Line 1

Val fully automated metro system - Turnkey project

Transfima (50% Siemens France) is the E & M general contractor for all system work elements specification, and civil work interfaces.

Fully automated AGT system without on-board attendant. ATC functions include train regulation, variable headway management, push recovery mode and platform door operation, pinched loop operation.

High level of performance and availability, and short headway with train length 52 m (64 s).

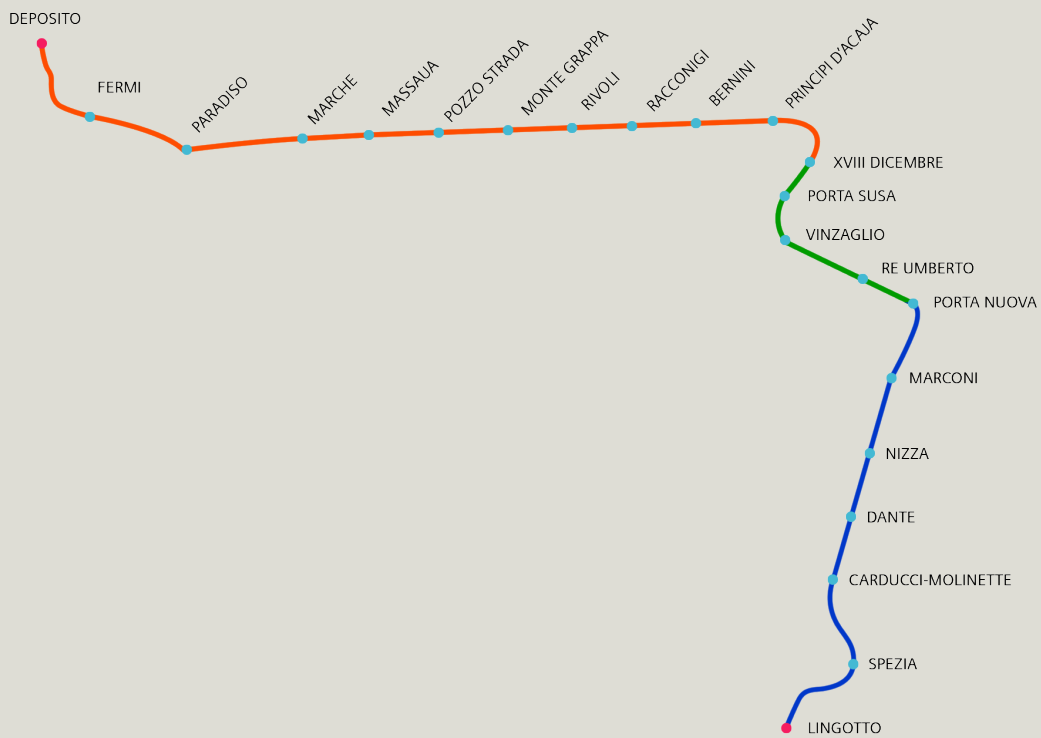
Siemens France was responsible for providing system and civil works for this turnkey contract. Project elements included Automatic Train Control (on board and wayside), control center, signaling, communication systems, platform doors, power supply, vehicles, depot, technical buildings (including stations), 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	Line 1
Line length	9.5 km double lane guideway
Number of stations	15
Number of vehicles / Car consist	52 Val 208 Married-pairs consists of 52 m long of 440 passengers per train.
System technology	Fully automated AGT system. Fixed block technology.
Contract award	July 2000
Revenue service	2005
Passengers per day	80 000
Operating hours	20 hours/day
Type of service	Urban
System Availability Achieved	99.8 %
Commercial speed	32 km/h



Siemens SAS

Infrastructure & Cities Sector
 Rail Systems Division
 150, avenue de la République - BP 101
 92223 Châtillon cedex
 France
 Tel. : +33 1 49 65 70 00