

Rome Metro line C

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Hitachi Rail STS is leader in the field of railway and urban transport technology.

The company operates through two business units, Transportation solutions and Signalling, in designing, producing and managing rail and signalling systems.

Hitachi Rail STS with more than 4,300 employees in 28 countries incorporates the know-how, excellence and technological expertise of leading companies that have operated on international markets.



Rome Line C

Line C of the Rome Metro (and its depot/warehouse) represents the largest infrastructure project currently in progress in Italy, and one of the longest construction sites in Europe; the client is Società Roma Metropolitane Srl, the General Contractor is the Metro C joint stock consortium, in which Hitachi Rail STS has a 14% stake.

Metro C has commissioned Hitachi Rail Italy to build the driverless trains for Line C: they will be driven and controlled remotely by a fully automated system, which will ensure all aspects of its safety. This system, known as Driverless, is already in operation in Copenhagen and will also be used in other projects in progress in Europe, as Thessaloniki, Brescia and Milan's Line 5.

The driverless system is mainly based on an innovative technology called ATC (Automatic Train Control) – supplied by Hitachi Rail STS – and on the thorough integration of metro line systems, which requires complex system engineering during all phases of design and construction. Metro C has commissioned Hitachi Rail STS to carry out this engineering activity, as well as the design of all technological subsystems.

Line C will be 25.5 km in length (17.6 km underground, 7.9 km above ground), will cross the city from the North-West to the South-East and will also be integrated into the existing transport system through the interchange stations with metro lines A and B, and with the FR 1 regional railway line.

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The supply of the On Board Telecommunications, the Wi-Fi system and some advanced functions for the Central Office operators, fulfil the Hitachi Rail STS scope of work in the Rome Line C realization, making Hitachi Rail STS the technological leader inside the Metro C team.

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