

Brescia Mobilità awards Manelli, Hitachi Rail and Alstom the contract for the construction of the city's new tram line

The project is valued at €326 million



Image of the tram to be delivered

Brescia, June 18, 2025, Brescia Mobilità has awarded the contract for the construction of the new T2 tram line in Brescia to the **Temporary Grouping of Companies (TGC)** led by Manelli Impresa S.p.A., in partnership with Hitachi Rail and Alstom. The new line will connect the Pendolina and Fiera stations, with a total contract value of €326 million.

This project represents a strategic infrastructure aimed at enhancing public transport efficiency, reducing environmental impact, and promoting the integration of different urban mobility modes.

The T2 line will run along an 11.3 km double-track route between the terminals Fiera (south-west area of the city) and Pendolina (north-west area), passing through some of the city's most densely populated districts and providing a fast and efficient link to the FS TrainStation hub. The project includes 21 stops, a main depot at Fiera and an auxiliary depot at Pendolina, featuring state-of-the-art technologies to ensure sustainability and service efficiency.

72% of the route will run on dedicated lanes, ensuring smooth and safe traffic flow. The line will be powered mainly via an overhead contact line (about 8.2 km), with battery-powered segments (about 3.1 km) to reduce visual impact in sensitive areas.

Manelli Impresa S.p.A., a leading construction company specializing in major infrastructure projects, will be responsible for the civil and infrastructure works, including the final design and safety coordination during the design phase of the new T2 tram line. Its share of the works is valued at approximately €161 million.

Hitachi Rail, a global player in the railway and sustainable mobility sector, will supply 18 new next-generation trams, along with ground and onboard telecommunications and onboard signaling systems. Hitachi Rail's share of the contract amounts to approximately €77 million.

The new trams, produced at the Hitachi Rail site in Reggio Calabria, will be designed and developed according to the S.C.A.I. principles (Safety, Comfort, Environment, Innovation), offering improved comfort, accessibility, and safety, with special attention to ergonomics and passenger experience.

They will be equipped with an innovative ADAS (Advanced Driver Assistance System) with anti-collision features capable of detecting potential obstacles such as pedestrians and vehicles. Passenger comfort will be enhanced by advanced vibration-dampening technologies and minimal noise emissions, along with 52 seats, over 24% of the total capacity of 216 passengers.

The trams will be made of lightweight, 98% recyclable materials and equipped with an automatic climate control system that adjusts based on passenger numbers to reduce energy consumption. Battery operation in areas of high artistic value will reduce environmental impact, while brake energy recovery and innovative Eco-Drive algorithms will achieve energy savings of 15–20%.

Alstom, a global leader in smart and sustainable mobility, confirms its role as a key provider of turnkey systems in various Italian cities. For this project, Alstom will be responsible for designing and constructing the track system, electric traction, overhead contact line, ground signaling system, public lighting, and traffic light system, with a total value of around €88 million.

These activities will be carried out by Alstom's Systems & Infrastructure team based in Rome, with electric traction components designed and supplied by its Valmadrera (LC) site, a center of excellence with over 100 years of innovation and technological development. Among the cutting-edge solutions provided is the Spiroll™, an innovative device for the automatic tensioning of the overhead contact line.

Sergio Onofrio Manelli, CEO of Manelli Impresa S.p.A., stated: "The new tramway project will run through a complex urban context that includes historic areas, zones undergoing transformation, and districts in need of redevelopment. Its construction is a major opportunity to enhance the quality of urban space, aligned with the strategies of the Territorial Governance Plan (PGT). The infrastructure will improve access to and usability of historic centers by enhancing public transport and reducing reliance on private vehicles. It will also contribute to the economic revitalization of transforming areas and promote urban wellbeing by fostering social cohesion in more marginalized or degraded neighborhoods."

Luca D'Aquila, COO of Hitachi Rail Group and CEO of Hitachi Rail Italy, commented: "The trams being developed for the city of Brescia meet the highest market standards and represent excellence in global tram transport. They demonstrate Hitachi Rail's ability to offer increasingly

comprehensive and cutting-edge technology solutions to benefit our clients and passengers. This aligns with our Group's strategic goal to drive the decarbonization of transport by encouraging a shift from private to safe, sustainable collective mobility."

Michele Viale, Managing Director of Alstom Italy, added: "We are proud to bring our expertise in complex, integrated tram projects to serve the City of Brescia, supporting more sustainable and efficient urban and suburban mobility. With the construction of over 11 kilometers of new tram line, we further strengthen our commitment to delivering innovative solutions for local public transport."

About Hitachi Rail:

Hitachi Rail is committed to driving the sustainable mobility transition and has a clear focus on partnering with customers to rethink mobility. Its mission is to help every passenger, customer and community enjoy the benefits of more connected, seamless and sustainable transport.

With revenues of over €7bn and 24,000 employees across more than 50 countries, Hitachi Rail is a trusted partner to the world's best transport organisations. The company's reach is global, but the business is local - with success built on developing local talent and investing in people and communities.

Its international capabilities and expertise span every part of the urban, mainline and freight rail ecosystems – from high quality manufacturing and maintenance of rolling stock to secure digital signalling, smart operations and payment systems.

Hitachi Rail, famous for Japan's iconic high speed bullet train, draws on the digital and AI expertise of Hitachi Group companies to accelerate innovation and develop new technologies. Hitachi Group is present in 140 countries with over 270,000 employees and global revenues of €54.55bn / ¥8,564 bn.

For more information, visit hitachirail.com

Information contained in this news release is current as of the date of the press announcement, but may be subject to change without prior notice.
