

Alstom to present Italy's first hydrogen-powered train and the latest innovations for smart mobility at EXPO Ferroviaria 2023

- **Alstom and Ferrovie Nord Milano (FNM) will unveil the hydrogen-powered Coradia Stream, Italy's first hydrogen train**
- **The new Metropolis train for the Turin Metro Line 1 will also be unveiled together with Infra.To**
- **Two cutting-edge high-tech solutions will be exhibited: Alstom's smart robot that utilises artificial intelligence for performing maintenance tasks on trains, and Spiroll, the innovative contact line tensioning system**
- **Visitors will be able to step inside the innovative Traxx Universal locomotive produced in Italy at the Vado Ligure plant**

28 September 2023 – Alstom, global leader in smart and sustainable mobility, will be present at EXPO Ferroviaria 2023, the exclusive B2B exhibition in Italy dedicated to the railway industry, taking place from 3rd to 5th October 2023 at Fiera Milano Rho. Throughout the event, Alstom will showcase a wide range of solutions and technologies to consolidate its position as a leader in smart and sustainable mobility.

At 12:45 p.m on October 3rd, during the event's opening day, **Alstom** and **FNM** will hold an official ceremony attended by key institutions, customers and partners. During this event, both companies will together unveil the **hydrogen-powered Coradia Stream**, a hydrogen train with zero direct carbon emissions equipped with fuel cells. This train is set to enter commercial service in Valcamonica, running along the non-electrified Brescia-Iseo-Edolo line operated by Ferrovienord and Trenord. This marks the train's debut appearance in Italy.

Additionally, on the event's first day, at 3 p.m., visitors can join Alstom and Infra.to at the Alstom booth n°E48 located in the EXPO Ferroviaria venue, for the official presentation of the new Metropolis train for Line 1 of the Turin Metro. This presentation will also showcase the state-of-the-art Urbalis driverless radio signalling system.

In outdoor exhibition space of the fair, courtesy of RAILPOOL and Captrain Italia, attendees will have the opportunity to step on board the innovative locomotive **Traxx Universal**, a high-efficiency, high-strength product that minimises the need for maintenance and provides greater load capacity, manufactured at the Vado Ligure plant.

Furthermore, over the course of the event and at its exhibition booth, Alstom will showcase some of its latest innovations. Among them, Alstom's smart robot for maintenance, developed by the Alstom team in Italy, which, through the exploitation of the artificial intelligence, aims to elevate the precision of visual inspections and maintenance checks, ultimately enhancing the safety of both fleets and passengers.

Also, the exhibition will feature the Spiroll, a proprietary spring-loaded tensioning device designed to accommodate thermal expansion in rail systems. This innovative device, designed and manufactured at the Alstom plant in Valmadrera (Lecco), also offers significant traction force.

Moreover, advanced signalling systems, such as ERTMS (European Rail Traffic Management System) will be showcased. Visitors will have the opportunity to see how these systems are implemented to enhance train punctuality and expand network capacity.

During the last day of the exhibition - Oct. 5 – guided tours tailored for schools and universities will be available. The initiative confirms company's commitment to fostering connections with the younger generation by offering students a unique opportunity to learn and explore the world of mobility and transportation.

Come and meet us at EXPO Ferroviaria ! Booth E48

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Alstom

Alstom is committed to supporting a low-carbon future through the development and promotion of innovative and sustainable transportation solutions that people can enjoy using. From high-speed trains, metros, monorails, streetcars, turnkey systems, services, infrastructure, signaling, and digital mobility, Alstom offers its diverse customers the industry's broadest portfolio. With a presence in 63 countries and a wealth of more than 80,000 talents from 175 countries, the company focuses its design, innovation and project management expertise in the areas where mobility solutions are most in demand. Listed in France, Alstom generated revenues of 16.5 billion euros for the fiscal year ending March 31, 2023.

For more information, visit www.alstom.com

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