

Congress will take place in Madrid on 23 and 24 October 2019

Aptis, Alstom's innovative e-bus, is the official vehicle for the V European Electric Vehicle Congress



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KEY TAKEAWAYS

- Aptis is designed to offer cities a clean and efficient transport system solution.
- This first serial vehicle has been presented at Busworld, with a new design that incorporates feedback from passengers and transport operators.

22 October 2019 – Aptis, our innovative e-bus, will be the official vehicle of the V European Electric Vehicle Congress, to be held in Madrid on October 23 and 24. Being the official vehicle, Aptis will be exhibited at the Congress and will transfer institutions and assistants to the venue.

Aptis is designed to offer cities a clean and efficient transport system solution. Based on Alstom expertise in trams and vehicles on tires, motors and traction systems, Aptis incorporates the advantages of a tram to enhance both passenger experience and vehicle operation. This is the first time that Alstom has diversified into a non-rail product to develop its range of solutions, thus providing customers with the full spectrum of shared, electric – and therefore clean – urban transportation.

Among others, the Congress will have the assistance of **Ms. Teresa Ribera**, acting Minister for the Ecological Transition and **Mr. Miguel Arias Cañete**, European Commissioner for Climate Action, in charge of the closing ceremony on October 24. In this edition, the Congress, whose celebration coincides with the International Day of Climate Change, will analysis the current and future situation of electric mobility from the industrial, technological, energy and social perspective, both in Spain as in Europe.

“With annual global urban transport emissions expected to double to nearly one billion tonnes of CO2 equivalent by 2025, public authorities are more concerned than ever about the environmental impact of transportation. Alstom is already supporting the transition to sustainable transport systems by designing and delivering innovative, environmentally friendly, efficient and appealing rail solutions. The company decided to launch a new type of vehicle to complete its emission-free, 100% electric portfolio: Aptis”, underlines Antonio Moreno, Alstom in Spain Managing Director

Alstom has presented the first serial vehicle of its Aptis electric bus on October 18 at Busworld 2019. After the four prototypes that have been on the roads of many European countries, including Spain, for the past two years, this new design incorporates feedback from passengers and transport operators.

This first serial vehicle is based on an optimised global architecture requiring fewer spare parts references and considerably facilitating maintenance operations. Thanks to a wheel steering angle of more than 40°, its ease of insertion increases significantly. The 15% reduction in the total weight of the vehicle, combined with the use of new, more efficient and state of the art batteries, substantially

increases range. Aptis now accommodates more passengers while still offering them more fluidity thanks to large sliding doors.

In addition to the technical improvements, Aptis can also boast significant improvements to passenger comfort. A new air-conditioning system that (fully electrical heat-pump) maximises thermal comfort and the panoramic rear lounge has been enhanced to give a feeling of increased space. The new hydraulic suspension allows superior comfort and sound insulation, making Aptis one of the quietest and most innovative buses on the market.

Aptis has already been chosen by Paris in the context of Europe's largest call for tender for electric buses, as well as by the cities of Strasbourg, Grenoble, La Rochelle and Toulon. Upcoming milestones include ongoing tests in Spain with the ground-based recharge solution SRS and the training of hundreds of drivers in a new driving experience ahead of the first traffic releases, scheduled for the end of the year in Strasbourg.

More information about Aptis at <https://als.ptn.rs/a/158410>

About Alstom

Leading the way to greener and smarter mobility worldwide, Alstom develops and markets integrated systems that provide the sustainable foundations for the future of transportation. Alstom offers a complete range of equipment and services, from high-speed trains, metros, trams and e-buses to integrated systems, customised services, infrastructure, signalling and digital mobility solutions. Alstom recorded sales of €8.1 billion and booked orders of €12.1 billion in the 2018/19 fiscal year. Headquartered in France, Alstom is present in over 60 countries and employs 36,300 people.

Alstom maintains its long-term **industrial and technological commitment in Spain**. With close to 2000 workers in 18 sites, Alstom is the only company in Spain with local industrial and technological footprint for all the activities involved in railway transport: signalling, infrastructures, train manufacturing, maintenance and digital mobility. The company has in Barcelona an industrial plant devoted to the manufacture of all types of trains, and an innovation centre in Madrid for the development of R&D programs.

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