

## Alstom's Citadis Dualis tram-trains begin commercial service on the Tram 4 extension between Clichy and Montfermeil



**14 December 2019** – After entering commercial service in September 2019 on the Tram 4 line between Bondy and Aulnay-sous-Bois, Alstom's Citadis Dualis tram-trains are now starting service on the extension of the Tram 4 line between Livry-Gargan, Clichy-sous-Bois and Montfermeil.

In 2016, Alstom received an order to supply 15 Citadis Dualis tram-trains to Île-de-France Mobilités and SNCF Transilien for approximately 75 million euros, with Île-de-France Mobilités covering 100% of the investment cost of the trains.

*"Alstom and its teams are proud, with the supply of the tram-trains, both to contribute to a technical challenge - since a rail mode and an urban mode will coexist on the Tram 4 line - and to participate in a human project that will allow the inhabitants of these areas of Seine-Saint-Denis to have a new, reliable and comfortable means of transport,"* underlined Jean-Baptiste Eyméoud, President of Alstom in France.

### KEY FIGURES

- 15** Citadis Dualis tram-trains destined for the Tram 4 line
- 15** tram-trains already in operation on the Tram 11 Express line
- 34** tram-trains currently being developed and produced for Île-de-France

Designed to meet the increased need for mobility between urban and suburban networks, the Citadis Dualis tram-train links the centre of town with the suburbs without any break in continuity, by combining the advantages of the train with those of the tram. Based on the design of Alstom's Citadis tram, the Dualis version retains the fundamental characteristics that sealed the tram's success: modularity, accessibility and reliability. Citadis Dualis can run on a tramway network just as easily as on a regional rail network thanks to certain adaptations in power, safety and comfort. This configuration makes it a versatile means of transport: its tram gauge means it can circulate in town, while its

performance, the same as that of a train, enables it to transport passengers at speeds of nearly 100 km/h in outlying areas, without the need to change transport modes. Citadis Dualis contributes to sustainable mobility by revitalising urban spaces and highlighting the architectural heritage of cities.

78 Citadis Dualis tram-trains are running in France today, including 30 in Île-de-France, 24 in Auvergne-Rhône-Alpes and 24 in Pays-de-la-Loire. In 2018, Alstom received an order to supply 34 additional Citadis Dualis tram-trains to Île-de-France Mobilités and SNCF Transilien, with Île-de-France Mobilités covering 100% of the trains' investment cost. In total, 23 trains are destined for the Tram 12 Express Massy/Evry line and 11 for the Tram 13 Express Saint-Cyr/Saint-Germain line. These trains are currently being developed and produced at the Alstom site in Valenciennes Petite-Forêt.

Seven Alstom sites in France are involved in the design and manufacture: Valenciennes for the trains and project management, Ornans for the motors, Le Creusot for the bogies, Tarbes for the traction drive equipment, Villeurbanne for the on-board computerised systems and passenger information, Petit-Quevilly for the transformers and Saint-Ouen for the design.

In Europe, more than 200 Alstom tram-trains (Citadis Dualis and Regio Citadis) have already been sold and have travelled more than 50 million kilometres. This Alstom technology is also being exported with the Citadis Spirit, adapted to the North American market and adopted by the cities of Ottawa and Toronto in Canada in 2013 and 2017.

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## 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.

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