

Alstom to supply 18 additional X'trapolis battery-electric trains for Irish Rail

- **The further order, valued at around €160 million, is part of a ten-year framework agreement signed last year**
- **Irish Rail is ordering 18 battery-electric multiple units (BEMUs), aiming to boost the sustainability of Ireland's busiest commuter belt**

2 December 2022 – Alstom, global leader in smart and sustainable mobility, today announced that it has signed a further order with Irish Rail (IE) for 18 more five-car X'trapolis trains and an extension to the 15-year Technical Support and Spares Supply agreement under the ten-year framework agreement announced in December 2021. This further order, valued at around €160 million, will see 18 battery-electric multiple units (BEMUs) added to the initial firm order of 19 five-car X'trapolis trains – thirteen of which were battery-electric and six electrics – made in 2021.

In total, Irish Rail has now ordered 37 five-car X'trapolis trains which will deliver more capacity and decarbonisation benefits in advance of electrification of the extended DART+ network.

Alstom UK & Ireland Managing Director Nick Crossfield and Alstom Ireland Managing Director Piers Wood joined Minister for Transport Eamon Ryan T.D., Chief Executive of the National Transport Authority, Anne Graham and Irish Rail's Chief Executive, Jim Meade at Irish Rail's Connolly Station headquarters on Friday morning to formally sign the new order.

"As the world's leading innovator and supplier of green mobility solutions, Alstom is here for the long-term to support Ireland in delivering transformative change to its citizens through sustainable rail travel," said Nick Crossfield, Alstom's Managing Director UK and Ireland. "This further order of X'trapolis trains signals Irish Rail's intent to move quickly in greening the Greater Dublin commuter network, Ireland's most populated commuter belt as a first step in that national transformation."

Chief Executive of Irish Rail Jim Meade said: "As this welcome acceleration of funding for our DART+ Fleet is confirmed, the benefits of the framework agreement with Alstom become ever more apparent. We can respond swiftly, with this further major order of units under the agreement, to deliver transformative change for our services and for our customers. These further 90 BEMU carriages, coupled with last year's order of 95 units, will help us in Irish Rail to achieve our ambition of being the backbone of Ireland's sustainable transport network. We're excited to continue to work with Alstom to deliver expanded services in the Greater Dublin Area, enhanced facilities for our customers, and a cleaner environment for our country."

The ten-year framework agreement allows for up to 750 electric and battery-electric rail cars to be procured for the DART+ network which is planned to open in 2025. In addition to the fleet, Alstom will provide a range of services solutions, including a Technical Support and Spares Supply agreement for the first 15 years of the fleet's operation, deploying its HealthHub and TrainScanner technologies for predictive maintenance, and providing three train simulators to support driver training. The expansion

of the DART fleet as part of the DART+ Programme is funded by the National Transport Authority under the National Development Plan 2021-2030.

Due to enter service in 2025, the 37 trains with 31 five-car battery-electric multiple units (BEMUs) and 6 five-car electric multiple units (EMUs) now ordered will be capable of journeys of more than 80 kilometres outside the electrified DART network under pure battery power, thereby taking older diesel rolling stock off those non-electrified lines. These X'trapolis trains will comprise the first modern battery fleet in Ireland, contributing to the widening of Ireland's carbon reduction efforts through public transport.

According to Irish Rail, today's 18 battery-electric multiple units (BEMUs) order will benefit Maynooth/M3 Parkway and Kildare line services, delivering more capacity for commuters in advance of electrification.

Energy stored in the battery system will be replenished via fast charging stations at chosen terminus locations and by recovering braking energy while the new battery-electric trainsets are on the move. This will enable, for example, the new battery-electric fleet to deliver Dublin to Drogheda return services, with fast charging at Drogheda Station.

DART+ is the transformative programme that will ensure train travel is at the heart of Ireland's sustainable transport network. Funded under the National Development Plan by the National Transport Authority, DART+ is an investment that will double the capacity and treble the electrification of the Greater Dublin Area network, facilitating sustainable mobility and development to enhance quality of life in the capital and its surrounding counties.

Alstom X'trapolis for Ireland

Alstom's highly successful, modular X'trapolis commuter train platform, with over 6000 railcars sold worldwide is manufactured as well in the European Union and will be specially tailored for the DART+ programme.

Each 82-metre DART+ train will have space for 550 passengers with wide, walk-through gangways, low-level floor, and an automatic retractable step to maximise accessibility for all passengers. Other features include dedicated cycle and family areas, enhanced passenger features such as charging facilities for mobile phones, e-bikes and e-scooters; and advanced CCTV systems throughout the train, to enhance safety and security for customers and employees.

Alstom will also continue to support the DART+ fleet for a period of 15 years, providing technical support and spares, and deploying its HealthHub and TrainScanner technologies for predictive maintenance.

Alstom is the pioneer of sustainable and smart mobility with a full portfolio of green mobility solutions, including the world's first hydrogen train, the Coradia iLint, which is already in passenger service in Germany as well as battery electric trains already sold in Germany (Coradia Continental BEMU).

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Leading societies to a low carbon future, Alstom develops and markets mobility solutions that provide sustainable foundations for the future of transportation. From high-speed trains, metros, monorails, trams, to turnkey systems, services, infrastructure, signalling and digital mobility, Alstom offers its diverse customers the broadest portfolio in the industry. 150,000 vehicles in commercial service worldwide attest to the company's proven expertise in project management, innovation, design and technology. In 2021, the company was included in the Dow Jones Sustainability Indices, World and Europe, for the 11th consecutive time. Headquartered in France and present in 70 countries, Alstom employs more than 74,000 people. The Group posted revenues of €15.5 billion for the fiscal year ending on 31 March 2022.

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