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## Alpha Trains upgrades 77 locomotives to ETCS Baseline 3 Release 2

- **Single EU-wide train control system offers a competitive advantage by simplifying cross-border traffic**
- **Important milestone for modal shift from road to rail and thus for achieving climate targets**
- **Increased safety in European railway traffic**

77 locomotives from Alpha Trains will be upgraded to ETCS Baseline (BL) 3 Release 2, of which 55 are Bombardier Traxx 186 homologated for Germany, Austria, Belgium and the Netherlands, 8 are Vossloh G1206 and 14 are Vossloh G2000 locomotives, all Vossloh locomotives are homologated for Germany and the Netherlands. 9 Vossloh G1000 locomotives from Alpha Trains for operation in Germany and Luxembourg have already been equipped with ETCS Baseline 3 Maintenance Release 1.

Alpha Trains has contracted Alstom/Bombardier Transportation for the implementation of the upgrade of the Traxx locomotives. The upgrade to ETCS Baseline 3, Release 2 for the 22 Vossloh locomotives will be carried out by Alstom Belgium.

“Upgrading our locomotives to ETCS Baseline 3 Release 2 marks an important milestone for our locomotive business. Supported by the European Union, we are developing the prototypes for upgrading Vossloh G1206 and G2000 to the new standard. As the first mover in Continental Europe’s rail leasing sector, we have one vision: to ease passenger and freight transport in Europe, to enable modal shift from road to rail and to play an active role for a better and greener future”, said Shaun Mills, CEO Alpha Trains Group.

ETCS is the core signalling and train control component of the European Rail Traffic Management System (ERTMS). The new ETCS BL 3 Release 2 standard enables permanent communication between the vehicle and the tracks. The train drivers receive driving commands such as permitted speed, target speed and distance, on their display and not via signals on the track.

ETCS BL 3 provides clear competitive advantages for our customers. It enables cross border interoperability and reduces infrastructure costs through the replacement of national safety systems. More than 20 different train control-command systems which are currently in use in Europe will be replaced by a single harmonised system.

The European-wide standardisation of railway security systems for cross-border transport makes passenger and freight transport easier and even more attractive, and in this way enables modal shift from road to rail. In addition it safeguards the competitiveness and sustainability of the rail network and reduces CO<sub>2</sub> emissions.



Co-financed by the Connecting Europe  
Facility of the European Union

The upgrade of the Traxx, the G1206 and the G2000 locomotives is part of the Dutch European Rail Traffic Management System (ERTMS) programme and is co-financed by the Connecting Europe Facility (CEF) of the European Union which is an EU programme from CINEA, the European Climate, Infrastructure and Environment Executive Agency.

The European Rail Traffic Management System (ERTMS) is an initiative backed by the EU to make rail transport safer and more competitive by creating a single EU-wide standard for train control and command systems.

### **About Alpha Trains**

*Alpha Trains is the leading rolling stock lessor in Continental Europe. 125 employees from 15 countries work in offices in Luxembourg, Antwerp, Cologne, Madrid and Paris. Alpha Trains owns more than 850 locomotives and passenger trains and offers tailor-made leasing solutions, comprehensive know-how in maintenance and vehicle repairs as well as long-term experience in the financing of new build projects. Alpha Trains' fleets are in use by many public and private operators in 19 European countries. Alpha Trains' shareholders are APG, Arcus European Trains and PGGM.*

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