

Alstom to equip up to 789 trains in Denmark with its ERTMS-based train control solution

Banedanmark, the Danish railway infrastructure owner, has awarded Alstom a contract worth around €25 million to design and test Atlas, its ERTMS/ETCS^[1] on-board Level 2 solution.

This solution meets the latest ERTMS standard and will be potentially deployed on 789 trains, mainly non Alstom-made ones, operated by 41 Operators on the Fjerbane Danish network, for a contract value up to € 140 million. This railway network consists of more than 1.962 km track line and 300 stations. Alstom's on-board solution will enable Banedanmark and Operators to increase its operational performance, as well as it will improve punctuality for travellers in Denmark.

Development and deployment of the solution for the 789 trains will last about 8 years, of which approximately 2 years for the design phase. During the design phase, Alstom and Banedanmark teams will jointly work in Copenhagen (Denmark) in cooperation with Alstom site of Charleroi (Belgium) which has already delivered similar equipment in Italy, Belgium and the Netherlands. A centre of competencies in maintenance and data management service located in Copenhagen will contribute to fully industrialize the deployment process of the new on-board signalling systems.

This on-board ERTMS contract is part of a €2.4 billion programme decided by the Danish Parliament in January 2009 to renew all Danish railways signalling before 2021.

Andreas Knitter, SVP Alstom Transport for North Europe stated: *"Alstom is a key player in providing on-board equipment for European interoperability. We are delighted to share once again our experience with Banedanmark after Alstom was awarded few weeks ago a €300 million contract to replace the existing signalling system in the East region of Denmark with its trackside ERTMS solution. We are looking forward to pursue this long-term partnership and to further reinforce our local presence in Denmark."*

Jesper Hansen, CEO of Banedanmark, is pleased with the contract: *"It was important to us that the solution we chose is technically modern, yet has been proven in operation. That is the case with the solution offered by Alstom, which was also economically attractive to us"*.

About Alstom Transport

A promoter of sustainable mobility, Alstom Transport develops and offers the most comprehensive range of systems, equipment and services in the rail sector. Alstom Transport manages all aspects of transport systems, including rolling stock, signalling and infrastructure, as well as offering its clients turnkey solutions. In 2010-2011, Alstom Transport posted sales of €5.6 billion. Alstom Transport is present in over 60 countries and employs 25,500 people.

About Atlas, Alstom Transport's ERTMS solution

This new contract strengthens Alstom Transport's position as the leader in the operational deployment of rail interoperability in Europe. Alstom holds a 63% market share in ERTMS Level 2-compatible on-board equipment contracts. Atlas has proven its worth on over 1,100 trains throughout more than 40 million km of commercial service. In Europe, over 8 out of 10 trains operating under ETCS Level 2 are using the Atlas solution. Alstom has carried out more than 30 ERTMS projects in nine European countries, including the Rome-Naples line in Italy, the first very high speed line equipped with an ERTMS Level 2 system; the Mattstetten-Rothrist line in Switzerland, used by the largest equipped fleet; and the Betuwe Route freight line in the Netherlands, which is part of Corridor C.

Today, out of 1.200 trains delivered, over 900 trains furnished with Alstom ERTMS/ETCS on-board solution are in service. Some 1,500 more will come into service in the next few years.

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[1] ERTMS (European Rail Traffic Management System) is a system for the management and control of the rail traffic on the lines of the Trans-European Networks. The ETCS (European Train Control System) is one of the components of the ERTMS. It was designed to enable trains to quickly cross borders, ensuring the safety of rail traffic.

