

Alstom, Thales and Nokia consortium completes high-speed signalling upgrade for Poland

Complex signalling upgrade enables implementation of 200 km/h service on E65 railway line



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KEY TAKEAWAYS

- 200 km/h on 350 kilometres of line
- 35 railway stations
- Interoperability over the entire northern section of the Pan-European Transport Corridor VI

21 April 2021 – A consortium led by Alstom has completed the delivery of its signalling solution ERTMS/ETCS Level 2 for the E65 railway line which is under modernization and links Warsaw in central Poland with Gdynia, in the north of the country. This project was based on a contract previously signed with PKP Polskie Linie Kolejowe S.A.

The delivery of the state-of-the-art technology on 350 kilometres of line that covers 35 railway stations and links Warsaw with Gdynia enables train traffic at the speed of 200 km/h. The project delivered by the Consortium of companies was one of the largest and most complex projects in the history of the Polish Railways. The joint effort of the parties involved has resulted in a significant improvement of safety and passenger comfort, as well as line capacity that will contribute to shorter train travel duration.

Alstom and Thales Polska were responsible for the design and implementation of ERTMS/ETCS Level 2 signalling solution, and Nokia for providing the GSM-R system. Within the scope of the project, the Consortium upgraded eight Integrated Control Rooms, delivered remote traffic control and management systems, turn-key solutions for Dispatcher Centres, an integrated passenger information system and CCTV solutions.

Sławomir Nalewajka, Managing Director of Alstom in Poland, Ukraine and Baltics said: "This jointly-delivered project is a game-changing achievement in the history of high-speed railway implementation in Poland. Moreover, the decision of the Head of National Safety Authority in Poland to approve train traffic at the speed of up to 200 km/h under the control of ERTMS Level 2 is the first ever decision of this kind in the history

of Polish Railways. We are proud that once again we had the opportunity to deliver a project that sets the new standards on the national railway network."

"I am happy that the upgrade of such a crucial project is completed. Thanks to our joint solutions we have become a part of the European railway system. Poland has entered the high-speed rail era," said **Paweł Przyżycki, Managing Director of Thales Polska**.

"State-of-the-art communications technologies and rail traffic control systems have been implemented in this landmark project. Both the E65 Warsaw – Gdynia corridor, as well as the entire Trans-European Transport Network will derive economic and social benefits from the completion of this project," said **Piotr Kaczmarek, a Head of Nokia Poland**.

The task was delivered within the scope of the Operational Programme Infrastructure and Environment (POIiŚ) project 7.1-1.4 "Modernization of E 65/C-E 65 railway line on Warszawa – Gdynia section in terms of supervisory layer LCS (ICR), ERTMS/ETCS/GSM-R, DSAT and power supply for the traction system."

About Alstom Leading societies to a low carbon future, Alstom develops and markets mobility solutions that provide the sustainable foundations for the future of transportation. Alstom's products portfolio ranges from high-speed trains, metros, monorail, trams and e-buses to integrated systems, customised services, infrastructure, signalling and digital mobility solutions. With Bombardier Transportation joining Alstom on January 29, 2021, the new Group's combined revenue amounted to €15.7 billion for the 12-month period ended March 31, 2020*. Headquartered in France, Alstom is now present in 70 countries and employs 75,000 people. www.alstom.com
*unaudited proforma

About Thales Thales (Euronext Paris: HO) is a global high technology leader investing in digital and "deep tech" innovations – connectivity, big data, artificial intelligence, cybersecurity and quantum technology – to build a future we can all trust, which is vital to the development of our societies. The company provides solutions, services and products that help its customers – businesses, organisations and states – in the defence, aeronautics, space, transportation and digital identity and security markets to fulfil their critical missions, by placing humans at the heart of the decision-making process. With 83,000 employees in 68 countries, Thales generated sales of €19 billion in 2019 (on a basis including Gemalto over 12 months).

About Nokia

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Contacts

Alstom:

Eric PRUD'HOMME - Tel.: +49 (0)15254539436
eric.prud-homme@alstomgroup.com

Coralie COLLET – Tel.: +33 (0)7 63 63 09 62
coralie.collet@alstomgroup.com

Iwona BURZYŃSKA – Tel.: +48 600 277 635
iwona.burzynska@alstomgroup.com

Thales

Tomasz CIEPIENKA – Tel.: +48 600 383 195
tomasz.ciepienka@thalesgroup.com

Nokia

Paweł MAŁKIEWICZ – Tel.: +48 604 490 296
pawel.malkiewicz@nokia.com