

Alstom and Arcada company to modernise 66 km of Romanian Cluj-Oradea railway line

- **Alstom will provide ERTMS Level 2, digital traffic control solutions and electrification in two lots covering 66 km of double railway line, enabling speed of 160 km/h for passenger trains and 120 km/h for freight**
- **Alstom's digital control centre installed in Cluj will manage the traffic on the entire railway line totalling 166 km**
- **Arcada will oversee the civil works**
- **The modernisation projects are financed through Romania's National Recovery and Resilience Plan (PNRR)**

30 December 2022 – Alstom, global leader in smart and sustainable mobility, has been awarded two new signalling and electrification contracts in Romania, as part of modernisation works on the first two sub-sections of the Cluj Napoca-Oradea line. The two contracts were signed by Asociera RailWorks consortium, consisting of Alstom and Romanian civil works company Arcada, with CFR SA, the Romanian state rail infrastructure operator. Alstom will provide state-of-the-art digital train control, traffic management solutions and electrification infrastructure and Arcada will carry out all the civil works. The implementation period for each contract is 42 months.

“These new contracts consolidate Alstom's leading position on the Romanian railway market, for both digital train control and electrification. In the recent years, Bucharest has become a strategic centre for Alstom's signalling expertise employing over 200 highly qualified engineers, whose expertise serves local projects, and international ones,” says Gabriel Stanciu, Alstom Managing Director for Romania, Bulgaria and the Republic of Moldova.

The two contracts cover the modernisation of 66 km of double railway line between Cluj Napoca and Poieni (30 km for Cluj Napoca – Aghireş and 36 km for Aghireş-Poieni). It includes electrification, infrastructure and superstructure modernisation, signalling and telecommunication systems, as well as civil works. Alstom will directly oversee the ERTMS Level 2 deployment, implementation of the traffic control solution, the digital interlocking and passenger information systems, as well as electrification works including power supply and overhead contact line. The modernisation will enable the speed of 160 km/h for passenger trains and 120 km/h for freight.

For the electrification works, Alstom will supply two Traction Power Stations and its OCS3 catenary solution for main lines, leveraging its in-house capabilities at the manufacturing facility in Lecco, Italy, and its worldwide experience of OCS3 in commercial operation.

Alstom is a global pioneer in its development and implementation and a worldwide leader in on-board digital train control equipment. ATLAS 200 is Alstom's ERTMS Level 2 solution allowing trains to run at higher speeds without physical lineside signals. In Europe, more than 30% of ERTMS Level 2 lines in service are provided by Alstom.

Alstom has been active in Romania for almost 30 years and is a market leader in railway electrification and signalling solutions. The company is responsible for implementing signalling or electrification

solutions on more than 75% of the Northern branch of the Rhine-Danube railway corridor in Romania. The first CBTC urban signalling solution in the country is under implementation by Alstom on Bucharest's metro Line 5. The company has also been the provider of maintenance services for the Bucharest metro fleet for the last 18 years and a new long-term contract is in place, valid until 2036.

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About Alstom

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. Log onto www.alstom.com for more information.

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