For almost 30 years, Alstom has been an innovative pioneer in Romania's journey towards a modern and sustainable railway transport. The company currently employs more than 1,200 people, including its Shared Services offices in Cluj. Alstom provides mainline signalling, infrastructure or electrification works on the national railway network, on the Rhine-Danube pan-European Corridor and the first two lots of the Cluj Napoca – Oradea line. Romania is a key reference for Alstom's rolling stock maintenance capabilities, with the long-term maintenance of the Bucharest metro fleet. Alstom is also responsible for state-of-the-art urban transport solutions, such as the first CBTC signalling system installed in Romania, for the newly built Line 5 of the Bucharest metro. The company will provide Metropolis metro trains for the Bucharest metro and inter-regional passenger electric trains for the Authority for Railway Reform.



KEY HIGHLIGHTS

>1,200 permanent employees

> **650** employees in Cluj-Napoca

492 metro cars maintained

50 new trains already ordered (37

EMUs and 13 metro trains)

years of activity in Romania

> 20 major projects in Romania, in

execution or warranty



DIGITAL & INTEGRATED SYSTEMS (D&IS)

 Alstom is Number 1 in Romania in railway signalling and electrification projects



- ERTMS Level 2 installed on the Rhine-Danube European railway corridor
- First CBTC system in Romania Bucharest Metro L5
- Traffic control centres Alstom is responsible for Romania's first three modern ones: Arad (in operation), Simeria and Brasov (in execution)
- Signalling works (electronic interlocking) for the newly built extension connecting the Bucharest airport to the main railway station
- Proven competences for **Digital & Integrated Systems** (D&IS), in local and international projects
- Signalling and electrification on Lots 1 and 2 of Cluj Napoca-Oradea railway section



ROLLING STOCK

- Up to 30 Metropolis metro trains for Line 5 Bucharest Metro (13 already ordered, option for 17 more);
- Coradia Stream inter-regional passenger electric trains – 37 units ordered



ROLLING STOCK MAINTENANCE

- Preventive and corrective maintenance of 82 trains (492 cars) for Bucharest metro operator, ongoing since 2004
- Associated maitenance for the newly ordered EMUs



SHARED SERVICES OFFICES

- Alstom's Shared Services Organisation in Cluj-Napoca provides Finance, HR and Procurement services to many countries in the group
- The three business units employ over 650 people



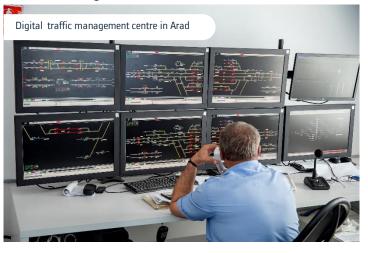
MAIN REFERENCES

ROLLING STOCK MAINTENANCE CONTRACT

- 492 cars (82 metro trains)
- Ongoing since 2004
- Romanian expertise to support the first Alstom project on the Bulgarian market – the maintenance of national operator's passenger fleet

SIGNALLING AND INFRASTRUCTURE WORKS - SIGHISOARA-BRASOV LOTS 1 & 3 AND LOT 2

- Over 250 km of upgraded infrastructure (128 km of double track)
- Traffic control centre, digital interlocking and ERTMS Level 2 deployment, passenger information systems as well as catenary upgrades and electric traction substations
- After completion, passengers will go from Sighisoara to Brasov in one hour



CURTICI PROJECT: A TOTALLY REBUILT RAILWAY LINE FOR FASTER AND MORE EFFICIENT TRAFFIC

- 41 km of double line fully rehabilitated, on the local section of the Rhine-Danube Corridor
- First modern traffic management and control centre ever installed in Romania, in Arad station
- Alstom's responsibilities: modern traffic control centre, ERTMS Level 2 signalling, electronic interlocking, passenger information systems and catenary upgrading through electric traction substations

HIGH-PERFORMANCE PASSENGER EMU: CORADIA STREAM INTER-REGIONAL TRAINS FOR ROMANIA

The first passenger railway fleet to be provided by Alstom in Romania: 20 units ordered in March 2022 + option of 17 more activated in September



- Coradia Stream is a state-of-the-art, low-floor, highperformance electric multiple unit (EMU)
- Each train will have six cars, a total capacity of 350 seats and 100% low floor
- 15-years maintenance services associated
- Equipped with the ERTMS Level 2 traffic control system and capable of operating on all the main European power supply systems



Alstom in Romania is a certified Top Employer 2023: A recognition of the quality of the work environment and the development opportunities offered to employees

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