

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)
- 29** 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 maintenance** 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

Digital traffic management centre in Arad



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, high-performance 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

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