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, covering over 75% of the Northern branch of the Rhine-Danube pan-European Corridor. 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. For the same line, the company will provide Metropolis metro trains, following a contract signed in December 2020.

**KEY HIGHLIGHTS**

- 1,200 permanent employees
- 650 employees in Cluj-Napoca, in global Shared Services organisation
- 83 metro trains maintained
- 30 new metro trains for Line 5
- 27 years of activity in Romania
- > 15 major projects in Romania, in execution or warranty

**DIGITAL & INTEGRATED SYSTEMS (D&IS)**
- Alstom is Number 1 in Romania in signalling and electrification projects
- ERTMS Level 2 installed on conventional lines on more than 75% of 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
- 720 km of upgraded catenary for increased train speed to 160 km/h

**ROLLING STOCK**
- Up to 30 Metropolis metro trains for Line 5 (13 in phase 1, contract signed October 2020 and 17 more in phase 2)

**ROLLING STOCK MAINTENANCE**
- Preventive and corrective maintenance of 83 trains for Bucharest metro operator, ongoing since 2004
- Major Alstom maintenance reference worldwide

**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

- 498 cars (83 metro trains)
- Ongoing for 17 years
- 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

Ongoing Signalling Project: Simeria-Sighisoara

The largest signalling project currently in execution in Romania, from the point of view of the railway line length

- Totalling over 320 km (163 km of double track), 17 stations
- The first Alstom train built for Romania is part of this project. Following extensive interior fitting works completed in Bucharest in accordance with client requirements, the ETCS-enabled Coradia Polyvalent will be used as test train for national company CFR, on the rehabilitated lines
- The first locally developed and homologated electronic level crossing solution in Romania
- ERTMS Level 2 signalling solution Atlas 200, GSM-R and electronic interlocking

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: the modern traffic control centre, ERTMS Level 2 signalling, electronic interlocking, passenger information systems and catenary upgrading through electric traction substations

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