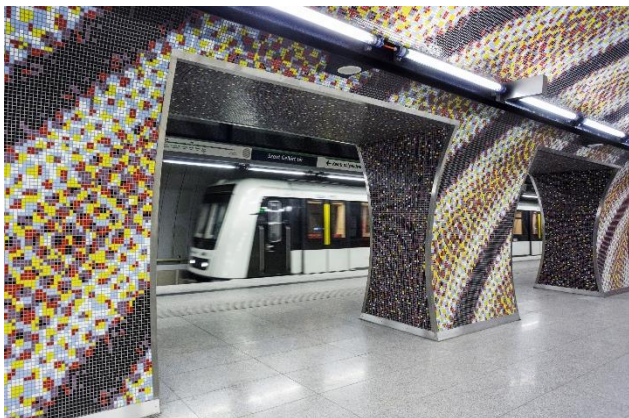


Alstom has been **present in Hungary for more than 20 years** and is one of the largest suppliers of metro trains in the country, providing 50% of **Budapest's metro trains for lines 2 and 4. Budapest Metro Line 4 is the first driverless metro in operation in Central-Eastern Europe.** In January 2021, Alstom added to its portfolio the long-standing **Mátránovák factory, specialising in bogie frame manufacturing.** Thanks to Alstom's **strong signalling expertise in on-board ERTMS solutions,** existing 59 MAV-Start trains will be **converted to operate on ETCS standard,** at increased speed of 160 km /h, more safely and efficiently. Alstom is a **global mobility leader,** providing a full portfolio of **rolling stock, signalling and maintenance** solutions, including **green mobility innovations** such as battery EMU and the world's first hydrogen train Coradia iLint.



KEY FIGURES

650	Employees in Hungary
25 mln km	Mileage reached by Budapest Metro Lines 2 & 4 in June 2020
170	Metropolis metro cars (37 trains) on Budapest lines 2 & 4 (50% of fleet)
27	Traxx locomotives in service in Hungary (25 passenger, 2 freight)
59	MAV-Start trains to be upgraded for ETCS standard
40 mln €	Annual export activities



BUDAPEST METRO ROLLING STOCK

- Delivery of 110 Metropolis metro cars (22 trains) for Budapest Metro Line 2
- Delivery of 60 Metropolis metro cars (15 trains) for Budapest Metro line 4



BOGIE MANUFACTURING

- Mátránovák factory produces high-quality steel bogie frames for passenger train cars and high-speed trains, as well as for metros and trams



SIGNALLING

- 59 MAV-Start trains will be converted to operate on ETCS standard with Alstom's on-board ERTMS



SERVICES

- Maintenance contract for 170 Alstom Metropolis metro cars for Budapest Metro Lines 2 & 4 (3-year contract, expired end of 2016)



ALSTOM PRESENCE IN HUNGARY

- 1989** – Beginning of operation as SCITEL Ltd.
- 1994** – Changes in shareholder structure (80% SASIB, 20% CONFORTI)
- 1995** – SASIB modernized signaling and CTC equipment on Metro Line 1, the first underground on the continent (after London)
- 1998** – Alstom Transport acquisition (SASIB shares)
- 1998** – Alstom purchases Alstom Signaling Ltd.
- 2002** – Move within Signaling organization to Sourcing
- 2006** – Join to TIS Product Engineering Community
- 2007** – Alstom acquisition (Conforti shares)
- 2008** – Alstom Signaling Ltd. merges with Alstom Hungary Co. Plc.
- 2012** – Service entry of the first new Metropolis trainsets manufactured for Line 2 in Budapest
- 2014** – Metropolis trainsets start commercial operation on Budapest metro Line 4
- 2016** – Alstom sold Alstom Power to GE
- 2016** – Alstom Transport Hungary Ltd was established focusing 100% on transportation
- 2017** – Alstom Transport Hungary Ltd signed contract with MAV-Start for conversion of 59 trains for on-board ERTMS installation together with Alstom Belgium
- 2021** – Alstom includes Mátránovák production site in its portfolio



All trains shown in this brochure are Budapest metro trains, lines 2 and 4.



MÁTRANOVÁK SITE OVERVIEW



- The bogie frame manufacturing site in Mátránovák (aerial view above) is one of Alstom's strategically important manufacturing units in Europe and CEE, employing over 600 people as one of the major employers in Nógrád county
- The factory was built during the early 1970s and started producing bogie frames from 1982
- The site produces high-quality steel bogie frames for passenger train cars and high-speed trains, as well as for metros and trams
- Key competencies of Mátránovák site vary from manual and robotic welding to primary parts production, bogie frame heat treatment as well as frame machining and painting
- A new high-performance laser cutting machine LVD PHOENIX FL-6020 with 10-kW laser capacity was installed in April 2021, as part of continuous improvements
- The site includes a welding school and testing laboratory, as well as a non-destructive testing capabilities, and boasts a 3D GOM measuring cell.
- The site has active cooperation with Universities in the fields of engineering and methodology

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