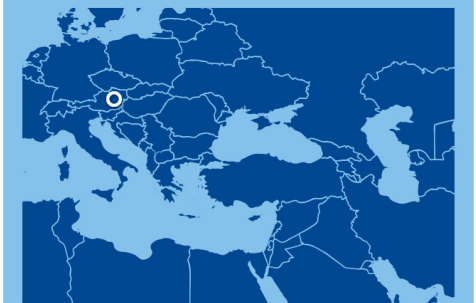
Conveyor belt system with elevator Semmering Base Tunnel

The new southern railway section from Vienna to Klagenfurt via Graz, is one of the largest and most significant technical advances of the century in terms of infrastructure. ÖBB-Infrastruktur AG, commissioned by the Republic of Austria, is investing approximately 11 billion euros in the extension of the entire southern track in Austria. The 27.3-kilometre long Semmering Base Tunnel is one of the key projects of this investment, in addition to Vienna's Central Railway Station and the Koralm Railway.

The twin-tube railway tunnel is designed to relieve the historic Semmering railway whilst furthermore facilitating the quicker and more convenient transportation of people and goods between Gloggnitz and Mürzzuschlag.



Conveyor belt system with elevator Semmering Base Tunnel, Grautschenhof section

Client: ÖBB-Infrastruktur AG, Vienna
Contractor: ARGE SBT 3.1 Grautschenhof
Commissioning: June 2018

Technical specifications
- Conveying capacity 800 t/hr
- Grain size: 0-250 mm
- 1 elevator with a height difference of 105 m
- 6 track belts with a length of 1,150 m
- 1 dumpsite belt, 300 m long and with a tripper for the lateral discharge of material
- 1 complete system control unit

The entire tunnel will cross over the portal construction site in Gloggnitz as well as over the three intermediate access points in Göstritz, Fröschnitzgraben and Grautschenhof. The work is divided into three contract sections: SBT 1.1, Tunnel Gloggnitz, SBT 2.1, Tunnel Fröschnitzgraben and SBT 3.1 Tunnel Grautschenhof, which we are involved in and include the following main tasks:

- Driving work for both track tubes
- Building of 2 shafts for the construction site access
- Removal of the excavated material from the base of the intermediate dumpsite in Longsgraben

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