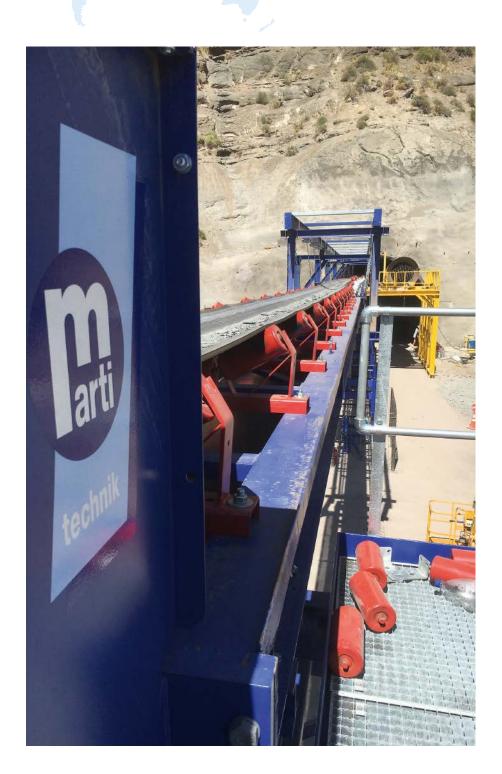


Alto Maipo hydroelectric complex in Santiago de Chile: Tunnel belt conveyors with dumpsite conveyor for the main tunnel Alfalfal VA2 and Las Lajas L1

Conveyor belt installation in the Andes



Approximately 50 km southeast of Santiago de Chile is the hydropower complex Alto Maipo, which will ensure the power supply in the region, including that of the Chilean capital. Over 60 kilometers of tunnels were created for Alto Maipo. The "Alto Maipo Hydro Project" is one of the largest private construction projects in South America. Our customer, STRABAG AG, creates tunnels in different sections using the blasting and TBM drive method over a total length of about 46 km. Marti Technik AG was awarded the contract to build, deliver and put into operation the tunnel belt conveyors with dumpsite conveyor for the main tunnel of Alfalfal VA2 and Las Lajas L1, with a length of around 10 km each.

Overview

Alto Maipo hydroelectric complex in Santiago de Chile: Tunnel belt conveyors with dumpsite conveyor for the main tunnel Alfalfal VA2 and Las Lajas L1





Alto Maipo hydroelectric complex in Santiago de Chile: Tunnel belt conveyors with dumpsite conveyor for the main tunnel Alfalfal VA2 and Las Lajas L1





Project

Main contractor: STRABAG AG Client: Alto Maipo S.p.A.

Total value of order: € 7.0 millior

Created: 2015/2016

System Data Tunnel Conveyor Alfalfal VA2

Axle base: 10 600 m

Height difference: -620 m

Min. radius: 1 000 m

Belt width: 650 mm

Belt: ST Type K

Power: 615 kW

Speed: 3.0 m/s

Conveying capacity: 320 t/h

Grain size: 0-200 mm

Sea level: 1800-2400 a.s.l.

10750 m

10750 m

800 mm

877 Type K

1250 kW

Las Lajas L1

System Data Dumpsite Conveyor

Axle base: 203 m

Height difference: -17 m

Belt width: 650 mm

Belt: ST Type K

Power: 37 kW

Speed: 3.0 m/s

Conveying capacity: 320 t/h

Grain size: 0-200 mm

Sea level: 1800 a. s. l.

200 m

800 mm

800 mm

874 kW

74 kW

596 t/h

650 t/h

650 t/h

650 t/h

850 a. s. l.

