

ALMEX

Case Study

Los Pelambres

Chile



The Los Pelambres Overland Conveyor System is comprised of three, 1800 mm, ST 7800, conveyors which run downhill through a series of tunnel systems. The overall length of the system is 12,700 m with the longest section being 5,630 m in length. The conveyor has a full running capacity of 8,700 mtp.

The design of the system was carried out by Krupp Canada, belting supplied by Phoenix AG, Germany and conveyor belt vulcanizer supplied by Shaw-Almex Industries, Canada.

The Almex Sectional Vulcanizer was chosen as the press of choice to ensure the best splices possible. Sectional Model LHK10D 35178R is comprised of 10 platen sets covering a platen area of 78" x 351" (1980 mm x 8915 mm) with a splice length of 280" (7100 mm). Operating pressure for the worlds strongest belt is 200 psi (14 kg/cm²).

The unique Almex flexible platen, pressure bag and temperature control system provided uniform pressure over the entire splice area giving the strongest splices.



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