

AUTOMINE[®], AUTOMATED PRODUCTION IN ACTION IN CODELCO EL TENIENTE MINE, PIPA NORTE PRODUCTION SECTOR

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ABSTRACT

This paper gives an overview of AutoMine[®], Sandvik's solution for loading and hauling automation and presents the benefits it provides. The paper continues by giving an introduction to the semi-automated loading system at Codelco's El Teniente mine Pipa Norte mining area. Furthermore the paper shares Codelco's views and experiences on mine automation, expected benefits and challenges faced in semi-automated loading operation. It also highlights important points to consider when planning automation in order to maximize the benefits automation offers in an underground mining operation.