



Razvoj podzemnega izkoriščanja kovinskih mineralnih surovin v Republiki Makedoniji

ID 01

Development of the Underground Exploitation of metallic minerals in Republic of Macedonia

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POVZETEK

Podzemno izkoriščanje kovinskih mineralnih surovin ima v R. Makedoniji daljšo tradicijo, ki traja okoli devetdeset let. R. Makedonija ima tri aktivne podzemne rudnike svinca in cinka. Najstarejši rudnik za podzemno izkoriščanje svinčeve in cinkove rude je rudnik "Zletovo", malo mlajši je rudnik "Sasa" in najmlajši rudnik "Toranica". Vsi rudniki se nahajajo v severovzhodnem delu R. Makedonije.

Članek obsega kratek opis treh rudnikov za podzemno izkoriščanje svinčeve in cinkove rude, tj. kratko zgodovino od odprtja do danes. Nadalje je opisan način rudarjenja, ki se je uporabljal v preteklosti in danes, v katerem so se skozi leta spreminjale proizvodne zmogljivosti. Nazadnje je predstavljeno trenutno stanje treh rudnikov in prikazana načrtovana posodobitev treh rudnikov.

Ključne besede: rudnik, podzemno izkoriščanje, rudarske odkopne metode, kapaciteta proizvodnje.

ABSTRACT

Underground exploitation of metallic minerals in R. Macedonia has great tradition, which has been around for ninety years. R. Macedonia has three active mines for underground exploration of lead and zinc. The oldest mine for underground exploitation of lead and zinc ore is the mine "Zletovo", then the mine "Sasa", and the youngest mine is "Toranica". All these three mines are located in the north-eastern part of the R. Macedonia.

This paper presents a brief description of the three mines for underground exploitation of lead and zinc ore, ie a short history from their opening to the present day. A further

description is given of the mining excavation methods that have been applied in the past and in this present day and in which limits the production capacity was moving over the years. Finally, the current state of the three mines is described and a comparison is made regarding the modernization of the three mines.

Key words: mine, underground exploitation, mining excavation methods, production capacity.