

VERTICAL AND SUB-VERTICAL VEIN MINING

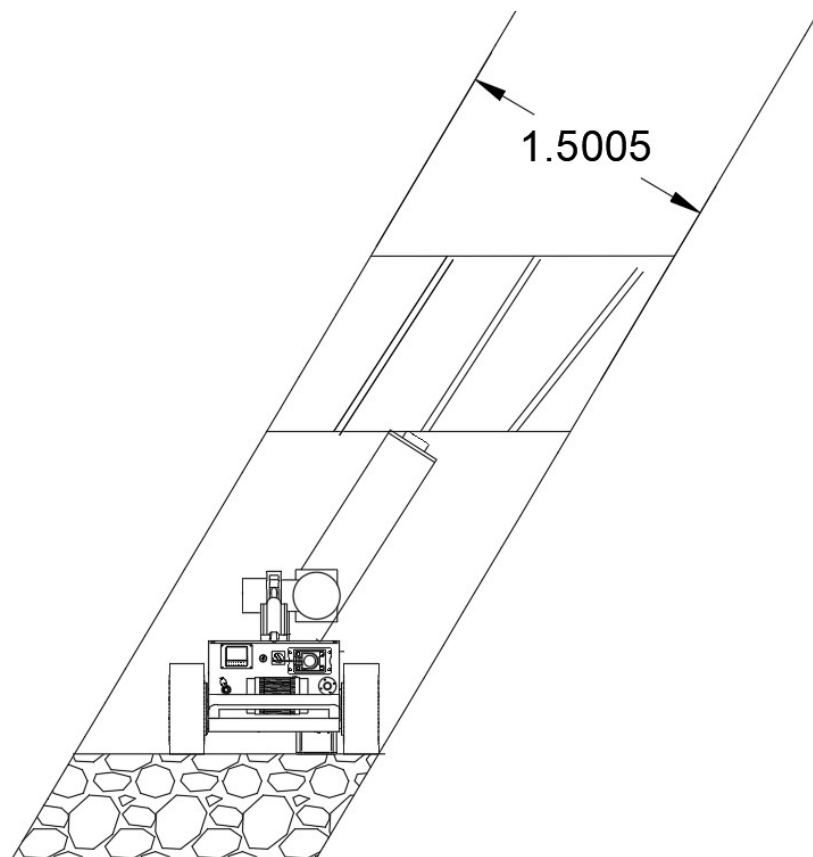
VERTICAL AND SUB-VERTICAL ORE BODIES are characterized by a strike length ranging from several tens of meters to several kilometers. The main mining methods used for these types of ore bodies are **sublevel caving** and **shrinkage stoping**.

While thicker ore bodies are relatively easy to exploit, a challenge arises when the ore vein is narrower than the available mining equipment.

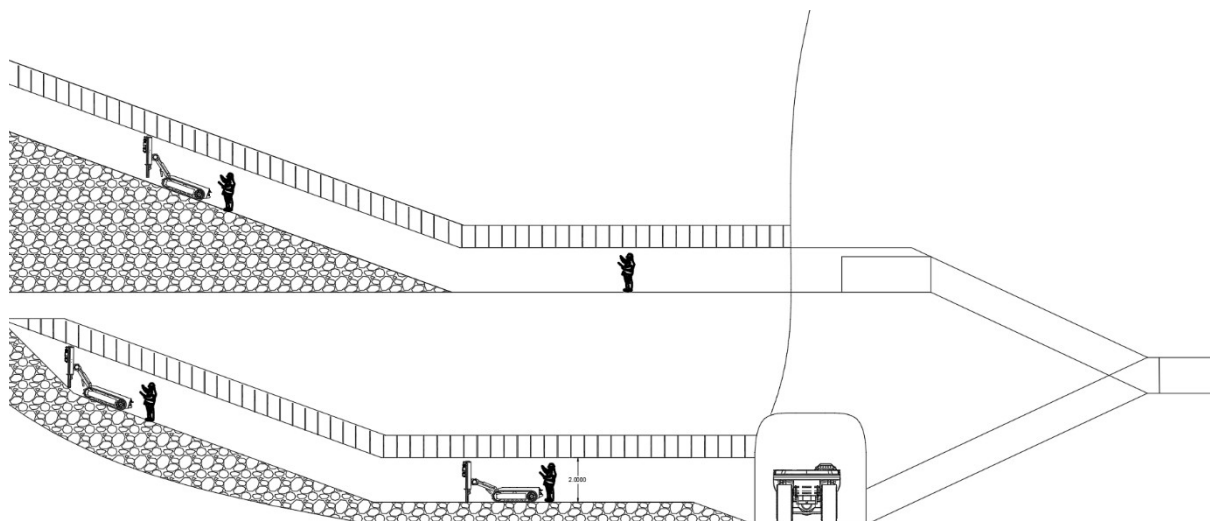
In such cases, the solution lies in NRE, XLP, and ULP equipment, which, thanks to their compact dimensions, enable selective extraction of the ore vein while minimizing extraction of surrounding waste rock. **DOK-ING MINING equipment** is well known for its compact dimensions, with the narrowest machine capable of operating in spaces as narrow as **1.4 m**.

This enables a significant reduction in **ore dilution** while simultaneously removing personnel from hazardous working areas.

The images below show an idealized representation of the shrinkage stoping method using the ULP Drill Rig.



Slika 1 ULP Drill Rig inside 1,5 m wide vein



Slika 2 Sublevel shrinkage mining method with ULP Drill Rig