UNDERGROUND MINE PLANNING

Minserve

THE MINSERVE GROUP

The Minserve Group was founded in 1989 to provide expert mining advisory services to all levels of the mining sector. As the industry has evolved, Minserve has been at the forefront of this progression, working with some of the world's leading operations. This has given Minserve the tools and experience to provide industry leading solutions to any mining situation.

Minserve is experienced in providing quality mine planning support to a range of underground mining operations and projects. Minserve's team of mining engineers is skilled and experienced in the different mining methods used across a range of commodities. Our in-house expertise unlock value and provide strategic direction for our valued clients..

MINING METHODS

- Block Caving
- Sub-level Caving
- Sub-level & Open Stoping
- Narrow Vien Stoping
- Room & Pillar
- Cut & Fill

GROUP CAPABILITY

Mine Design

This includes mining method selection, flow modelling and stope optimisation followed by graphical design using the appropriate cad based software package. Key design criteria include mine access, ventilation, level development and production, and materials handling.

Mine Scheduling

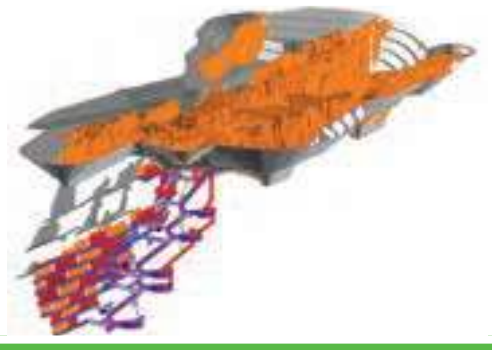
Using a tailored software package, this includes optimising the mine sequence based on the production rates, material handling systems, and constraints specific to the mining method.

Cost Modelling

The mine schedule outputs are used to build a model specific to the mine location and mining method. The cost model drives the inherent value of the project or operation from which critical decisions can be made.

Ventilation

Ventilation models are built to simulate air flow for both new and existing mines. The model is aligned with the mine design to ensure outputs reflect a safe working environment.



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