

# Mine Optimization

Knowledge and expertise to maximize mine value



## 15 Must-Ask Questions For Your Strategic Mine Plan

### Material in The Pit

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1. What is your reserve data?
  - a. The pit and/or phase identifier
  - b. Geographic location (X,Y,Z)
  - c. Spatial dimension (x-width, y-width, z-height)
  - d. Mass
  - e. Grades

### Material Destinations

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2. Are ore and waste pre-determined, or will the model determine your cut-off grade?
3. What are your processing options for ore material?
4. Are the processing options predetermined, or will the optimization determine them?
5. Are intermediate stockpiles available?
6. Will you consider capital expenditure to expand capacity?

### Moving Material to Destinations

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7. Will tonnage or trucking constrain material movement?
8. What are your truck cycle times?
9. Will any additional trucks have varying capacity based on truck life?
10. What are the requirements for your waste dump(s)?

### Processing of Material at Destinations

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11. What are your processing requirements and capacities?
12. Do your processing plants have any blending requirements?
13. Is your processing throughput constant for all ore types?
14. What are the recoveries and processing costs at processing destinations?

### Reporting

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15. What do you need to report on, and how will you present the report details?