



Mine site Imaging



TITAN

Innovative Technology Solutions

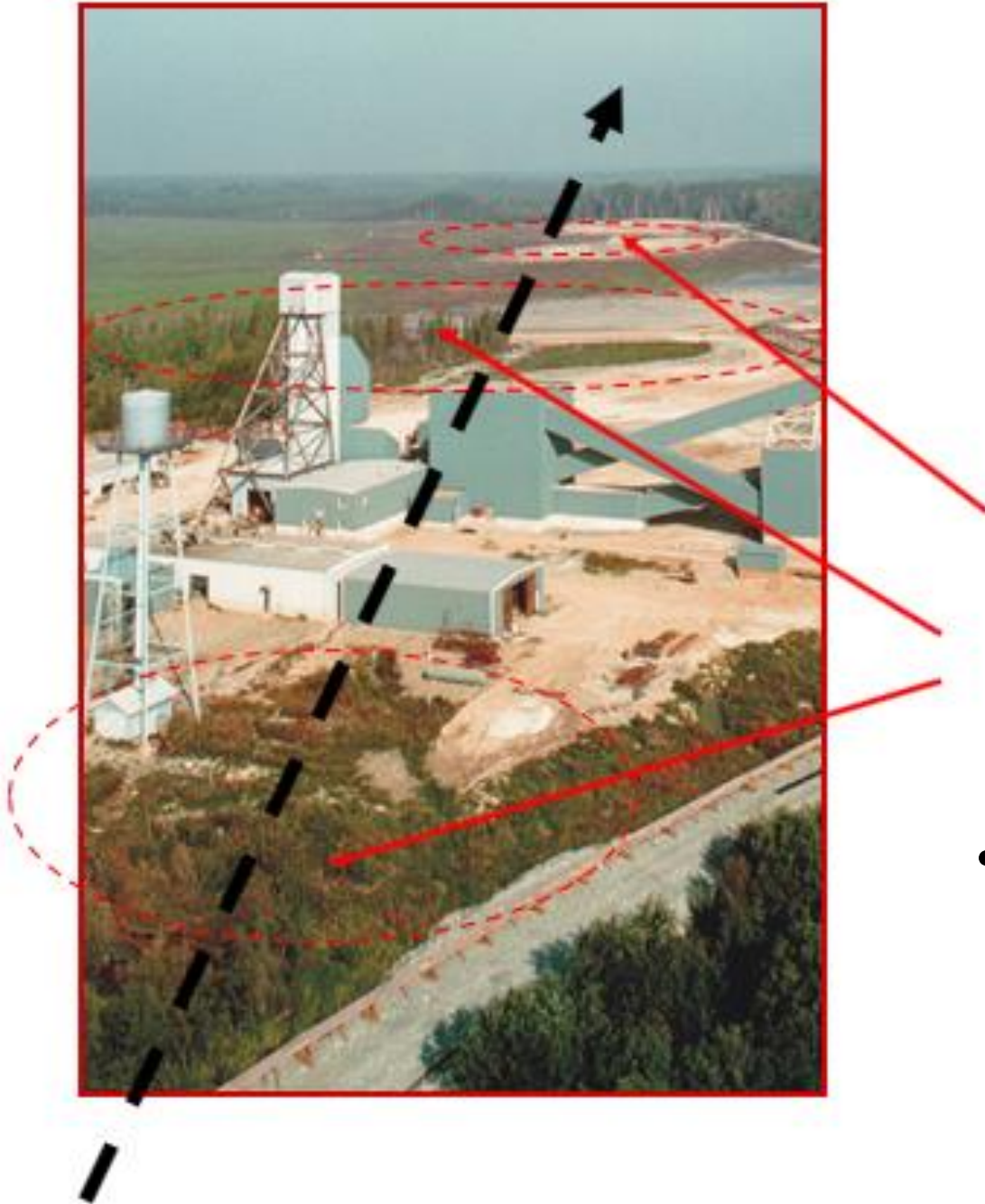
- Exploration Drill Planning
- Risk Mitigation for mine planning

Near Mine Exploration

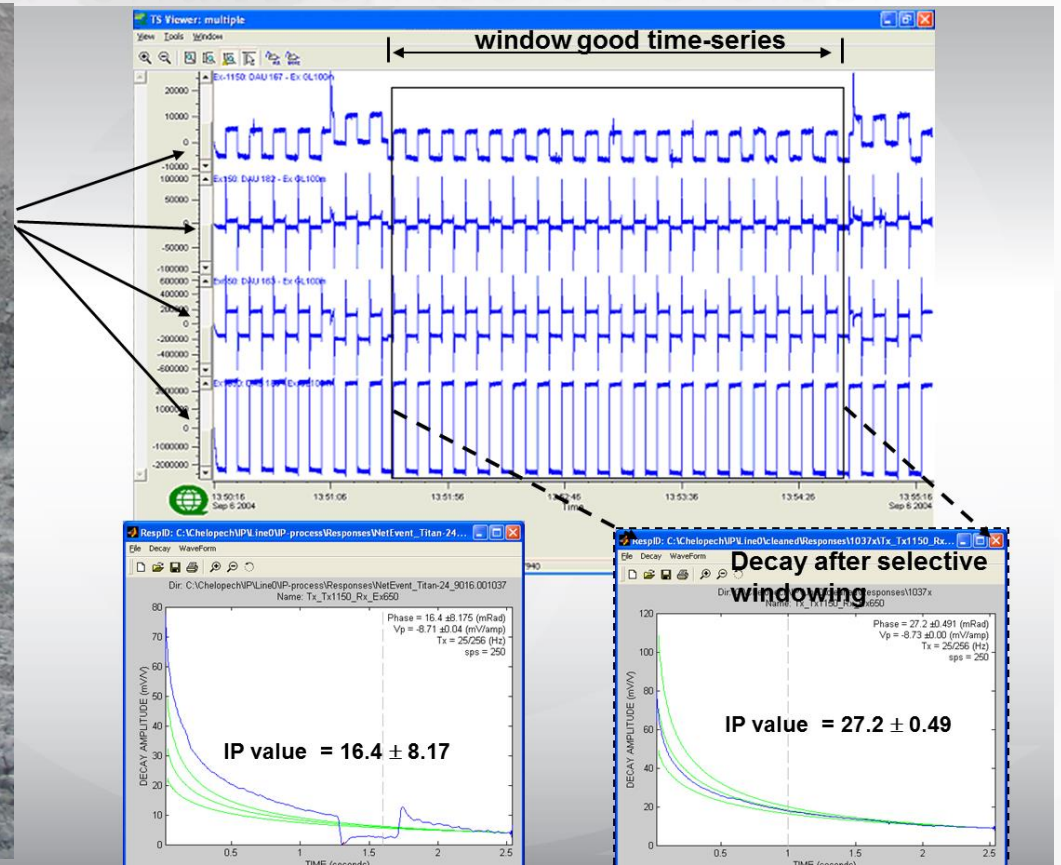
The Shadow of the Headframe
(or near the pit!)

Highly Prospective Land Holdings

- At mine, near mine and away from mine, deep imaging technologies can accelerate your exploration efforts.



High volume time series distributed data



- ❑ E.g. active mine deployment of temporary data receiver network - (4-10 hrs)
- ❑ Allows windowing: needed to minimize cultural noise to obtain accurate responses
- ❑ Small signal monitoring and noise rejection

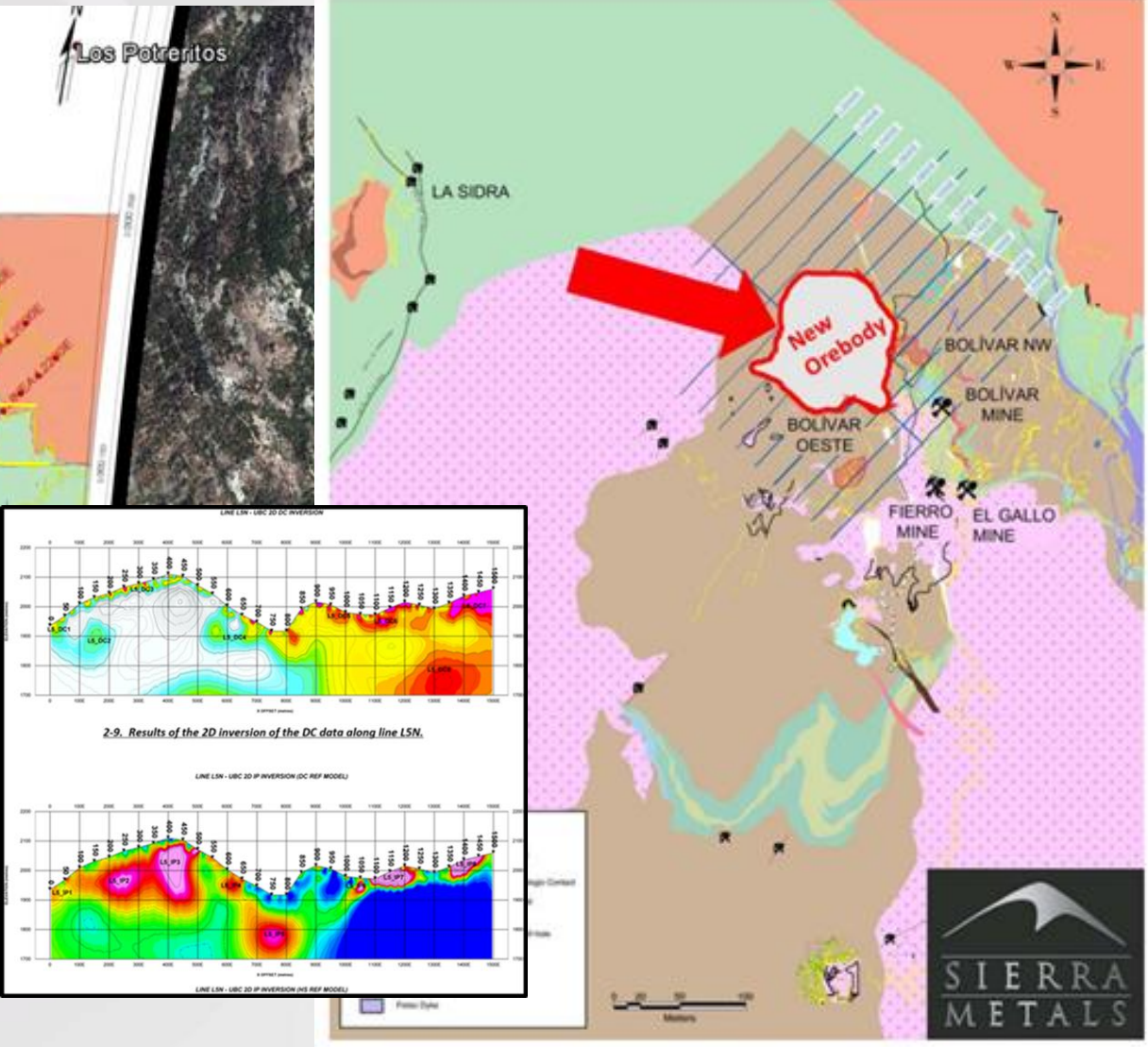
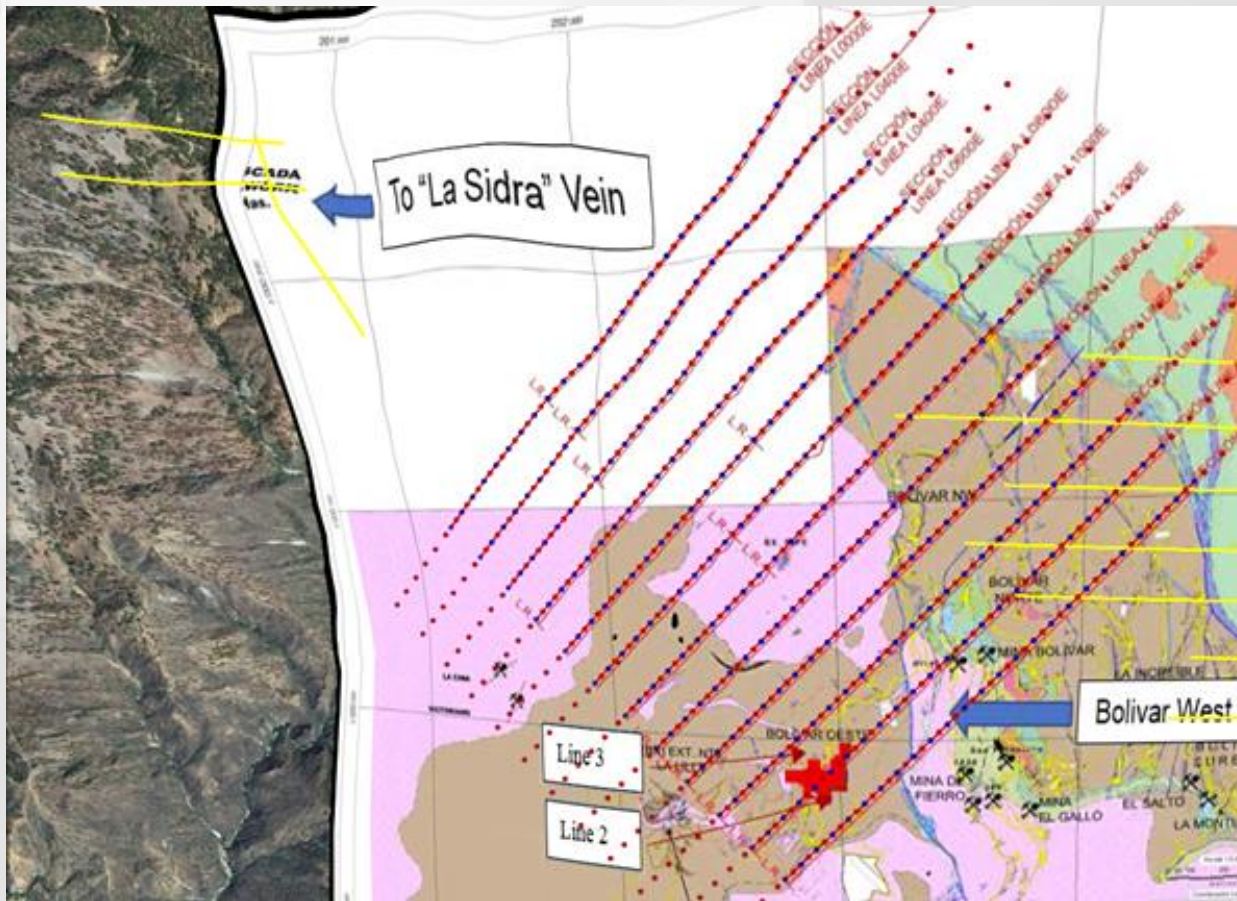
Experience at over 60 minesites

Some of our mine site clients...

- ❑ Sierra Metals
- ❑ Copper Mountain
- ❑ Tenke Fungurume
- ❑ Kidd Creek
- ❑ Tati Nickel
- ❑ Raglan
- ❑ Ren
- ❑ Red Lake Gold Mine
- ❑ Geikle
- ❑ Voisey's Bay
- ❑ Levack
- ❑ San Nicolas
- ❑ Black Fox Gold Mine
- ❑ Fortitude
- ❑ Chelopech
- ❑ Borroo
- ❑ Red Chris



Survey lead to discovery of new orebody

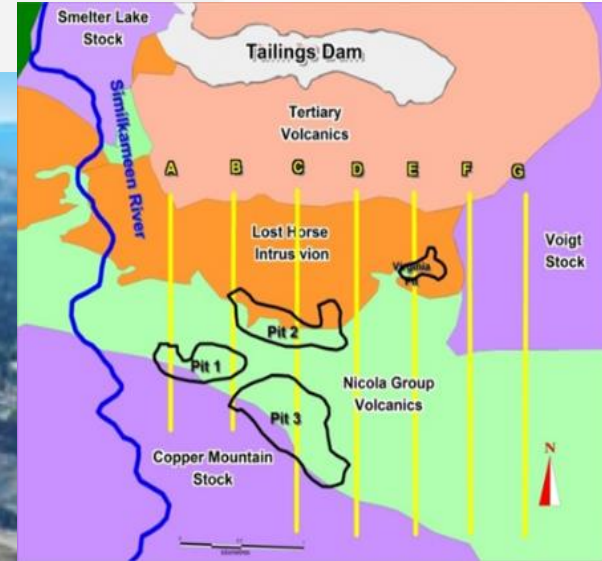


 Mexico

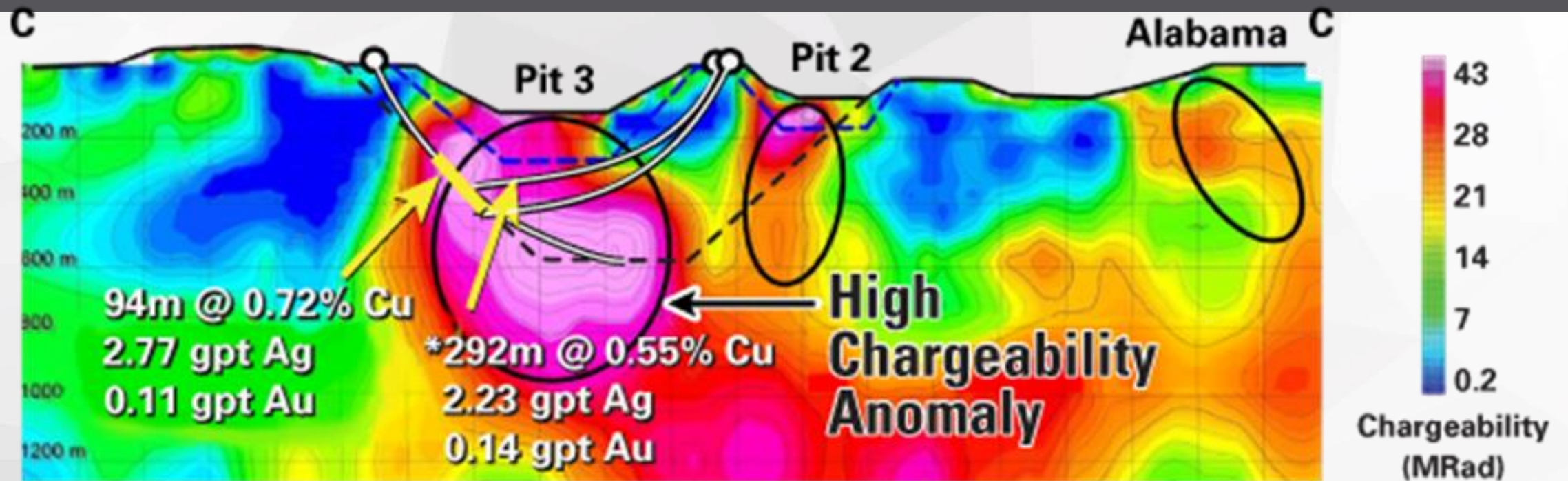


Copper Mountain, Canada – minesite investigations

- ❑ To confirm continuity of mineralization between the pits.
- ❑ To identify the potential for large, deep-seated porphyry deposits through a comprehensive mine site exploration program.



Giant anomalous zone discovered below old pit

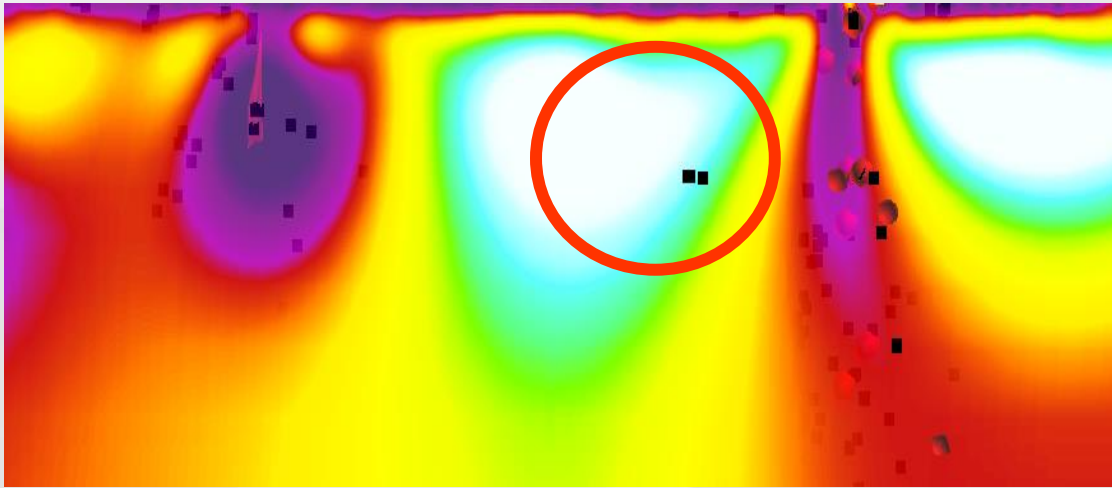


- ❑ Savings on condemnation drilling 140k
- ❑ Savings on ABA drilling 100k
- ❑ Savings on permitting time – 2 months
- ❑ Discovery of New mineralization
- ❑ Pit design changed
- ❑ Mine life extension

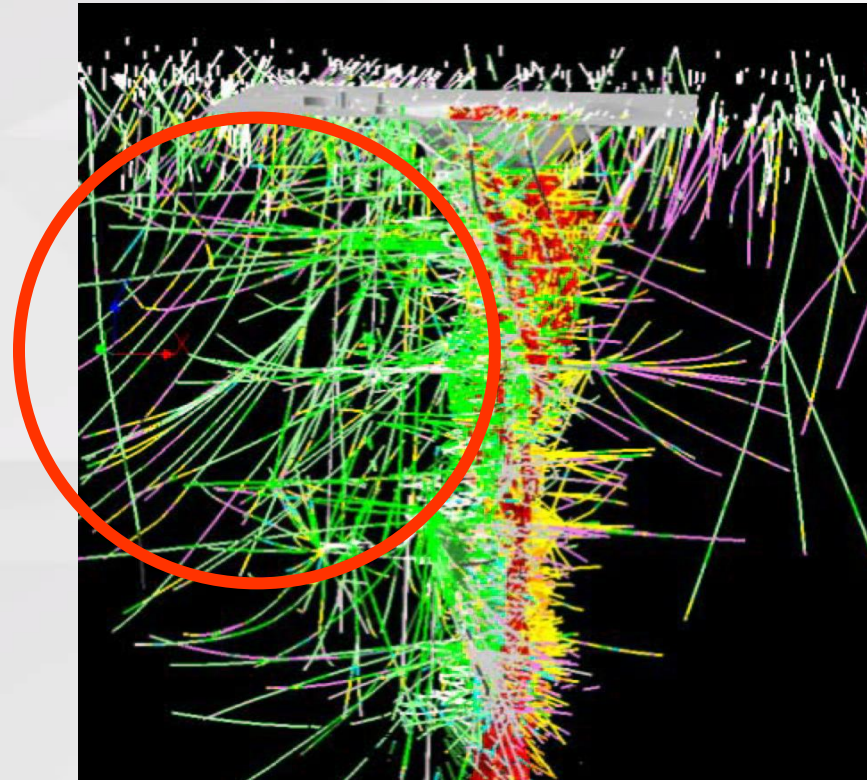


Life of mine data asset for ongoing exploration

- Resistivity image near mine indicates no conductive material in circle (i.e. minor drill testing required in this area)



- 15 years of drilling shown in model
- Potential drill savings over life of mine estimated to be > 15 Million dollars



Cost effective exploration

- ❑ More knowledge before drilling



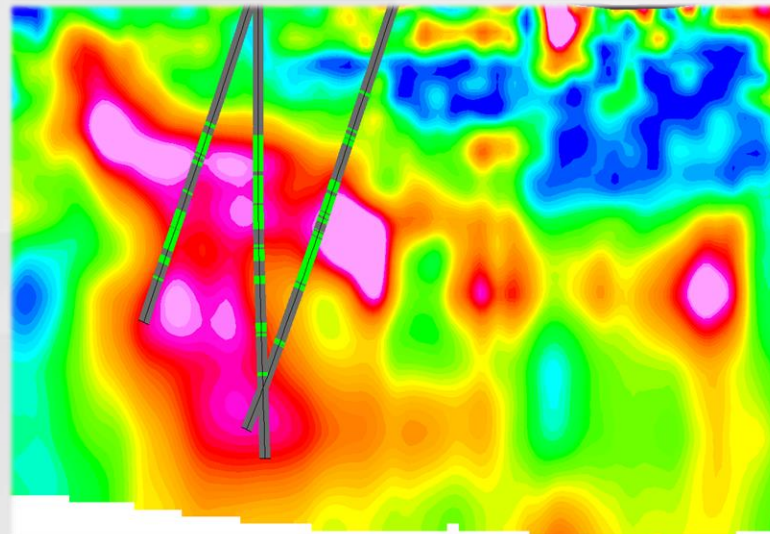
- ❑ Improve drill planning



- ❑ More effective drilling



- ❑ **Save money**
- ❑ **Improve success rate**



- ❑ Increase overall likelihood of success... **Discovery**





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Mine site Imaging

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