Caltech provides a range of surveying, geospatial and GIS services to support the mining industry. Our experience encompasses a wide range of resources, including lithium, helium, geothermal, potash and uranium. And our work is customized for every stage of the project life cycle, from exploration to development and reclamation. This ensures we guide our clients to the best possible outcomes.

**Mining services include:**

**Exploration**
- Surface lease surveys
- Mineral boundary staking
- Subsidence monitoring surveys
- Exploration well surveys
- Terrain modeling
- Open pit mine surveys
- Pit advancement surveys
- Tailing cell advancements
- Topographic surveys

**Ore and waste volumes**
**Survey control networks**
**Photogrammetry**
**Layout of dig limits, ore seams and blast surveys**

**Mine Development & Operations**
- Construction staking and feature layout
- Grade staking
- Precise leveling
- Elevation grids
- Road and rail construction
- 3D Scanning and modelling
- Tailings dyke and in-pit dyke construction
- Facility and heavy industrial construction

**Reclamation**
- Reclamation surveys
- Regulatory applications

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