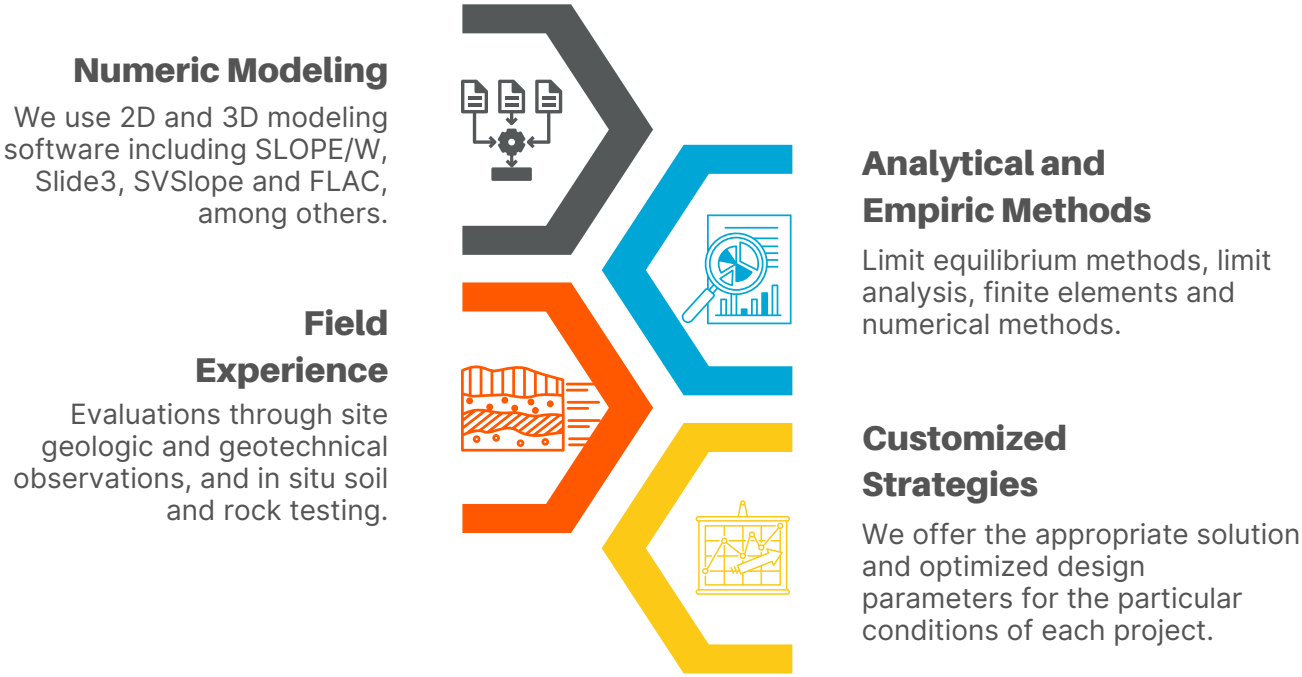


Slope Stability Analyses



Solum Consulting Group

Our professional engineering team has the knowledge and experience in engineering analyses (conceptual and detailed) necessary to support the design, construction, and operation of open pit and underground mines in different countries and under different climate, geology, and seismic conditions. We have the personnel and tools available to carry out slope stability analyses to understand the causes of a failure that occurred, or the factors that can potentially trigger slope movement, as well as develop measures to prevent or mitigate landslides.

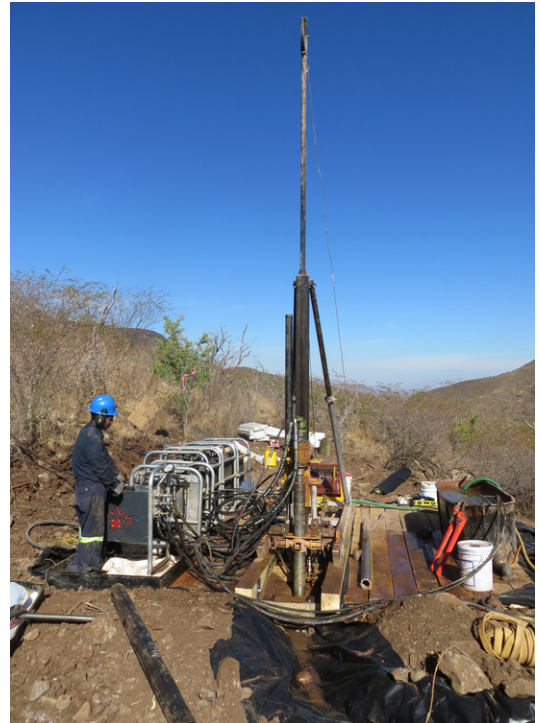


El Aguila Project
North Dike Stability
Assessment



Key Services (through our sister company RA Solutions)

- Geologic models
- Field geotechnical investigations (Program management of site geotechnical investigations)
- Geologic and structural mapping
- Database generation
- Impact evaluation
- Design and mining infrastructure
- Field supervision for collection and interpretation of geotechnical data
- Rock mass classification using different systems (RMR, GSI, Q, Mrrm, etc.)
- Drilling supervision and geomechanic logging
- In situ testing
- Laboratory program management with local or international rock mechanics laboratories



Sonora Lithium Project,
Geotechnical Investigation

Supplemental Engineering Analyses

Runout Analysis



To understand the geological processes of landslides.

Seepage Analysis



To understand the variation of soil humidity and its effects on slopes and structures.

Seismic Hazard Analysis



To estimate the occurrence probability of an earthquake and the potential sources that could affect the mine area.

Innovative Solutions | Environmentally Responsible | Cost Effectiveness

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