

Exploration and Reserve Estimation

A solid understanding of the regulations and issues in today's mining industry

Tetra Tech understands the regulations and issues that affect the mining industry. Senior staff members are registered as Qualified or Competent Persons under the Canadian, Australian, and South African industrial codes.

Exploration

Tetra Tech provides mining consulting for early-stage mineral resource exploration at new greenfield sites, expanding open-cut and underground mines, and reopening brownfield mines.

Mineral Resource and Reserve Estimation

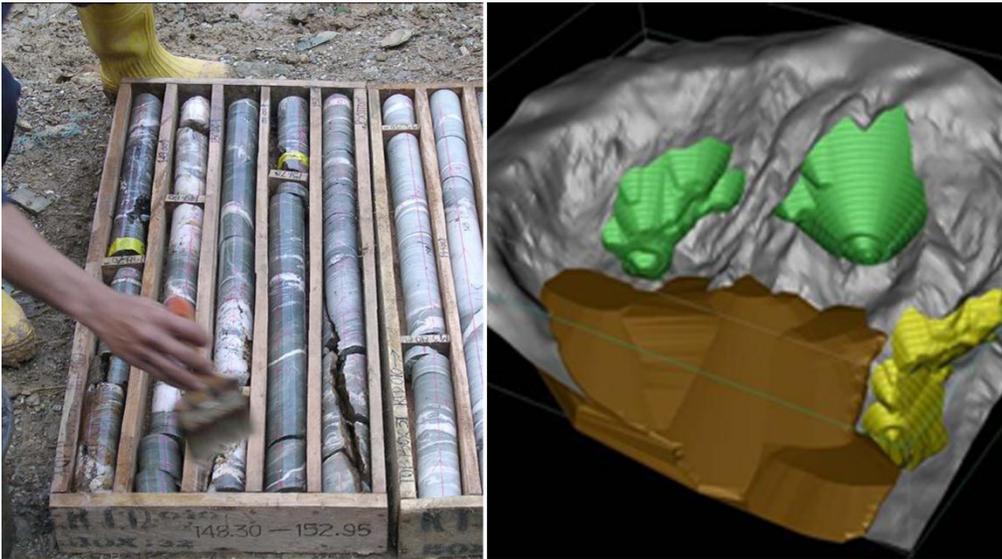
Tetra Tech supports early-stage mineral exploration and project development during the discovery, delineation, and expansion of new greenfield discoveries and existing brownfield sites. Our team collects information from soils, rocks, and water to inform target delineation, project evaluation, mineral resource estimation, and preliminary mine planning. We use geostatistics, quality assurance and control, and 3D visualization to produce optimal resource and reserve estimates. We administer and manage mineral tenements and exploration-related permit applications through a proprietary, Web-based GIS application.



Services

- Exploration geology
- Exploration review
- QA/QC programs
- Geologic modeling
- Resource estimation
- Mine planning and scheduling
- Feasibility studies
- Reserve estimation
- Capital and operating cost estimation
- Financial due diligence
- Independent engineer services
- Securities certification reports
- Qualified Person reports (Canadian National Instrument 43-101)

Tetra Tech is a leading provider of consulting, engineering, program management, construction management, and technical services. The Company supports government and commercial clients by providing innovative solutions to complex problems focused on water, environment, energy, infrastructure, and resource management. With 13,000 employees worldwide, Tetra Tech's capabilities span the entire project life cycle.



Ore Estimation

Tetra Tech supports resource evaluations with initial data collection, drill hole planning, and mineral reserve estimates. This includes the stages of a successful mine: developing exploration geology programs, applying advanced techniques to geologic modeling, mine planning and scheduling, process engineering, capital and operating cost estimation, financial due diligence, independent engineer services, feasibility studies, securities certification reports, and mine permitting and closure services.

We use state-of-the-art software to estimate and portray the mineral deposit and subsequent mine plans. Tetra Tech is experienced in both open-cut and underground mining methods for a broad range of commodities, including gold, silver, copper, platinum, lithium, clay, potash, phosphate, silica sands, garnet, coal, oil sands, iron ore, diamonds, and uranium.

Global Project Sites



Commodity Types

Precious metals: gold, silver, platinum, palladium
 Base metals: copper, lead, zinc
 Ferrous and nonferrous metals
 Industrial minerals
 Coal and energy minerals
 Gemstones

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