

Evaluation and Funding Identification for New or Expanding Mine Operations



Tetra Tech provides services throughout the life cycle of the mine in the senior, mid-tier, and junior market segments. We are a global organization with worldwide experience.

Before a mine project begins, Tetra Tech provides a full range of engineering and economic services to support property acquisition, mine expansion, mining opportunity investments, and debt and equity financing opportunities. With our 50-year history of consulting for the mining industry in all phases of the life cycle, we have the expertise to provide insight into successful, profitable, and reliable mine operations. We support both mining companies and the financial industry in the critical role of evaluating a given property for its investment potential. We can assess the engineering; environmental; social; resources-reserves; metallurgical; infrastructure; forecasted capital, sustaining, and operational cost; and mining aspects of the property.

Our strong senior project development team of highly regarded geology, mine engineering, and process professionals support these due diligence efforts to assist companies in making informed decisions about greenfield or expanding brownfield projects. Our deep understanding of the worldwide mining market also allows us to provide value in the areas of exploration and due diligence for acquisitions and project financing.

Tetra Tech's services and reports adhere to the standards of the Toronto Stock Exchange's National Instrument (NI) 43-101 regulations, the Australian Stock Exchange's Joint Ore Reserves Committee (JORC) Code, the London Stock Exchange's Alternative Investment Market (AIM) Rules, the South African Mineral Resource Committee (SAMREC) Code for Reporting of Mineral Resources and Mineral Reserves, or other reporting standards deemed necessary.

Mining Opportunity and Property Acquisition Due Diligence

Tetra Tech's scientists, geologists, metallurgists, and mining engineers provide the comprehensive due diligence of greenfield mine sites or existing facilities that is often required to ascertain the status of operations, environmental protection measures, discharge of toxic or hazardous materials or wastes, and implementation of required best management practices for pollution prevention.

Our due diligence reporting prior to finance closure may include the following:

- Resource and reserve evaluation
- Evaluation of mine plans and mining methods and operations
- Process evaluation, maintenance assessment, and equipment condition assessment
 - Evaluation of capital, sustaining, and operating costs
 - Evaluation of economic analysis, market conditions, and contract terms
- Project categorization in accordance with Equator Principles
- Socio-environmental characterization of site before project development
- List of permits required, including local, state, regional, aboriginal and tribal, and national
- List of potential socio-environmental impacts, including proposed mitigating measures
- Impact of global warming with significant emission of greenhouse gases
- Efficiency of energy consumption and opportunities for technology improvements
- Evaluation of closure and reclamation plan
- Review of management qualifications and capabilities
- Review of all public consultations and stakeholder engagements
- Summary of community concerns

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 natural resources. With 13,000 employees worldwide, Tetra Tech's capabilities span the entire project life cycle.

Service List

Our staff routinely provides due diligence review and inspection of:

- Ore processing facilities, pollution control measures, and potential and actual environmental impacts
- Mine facility operation and maintenance
- Ancillary facilities, including sewage treatment facilities, landfills, laboratories, access roads, and fuel storage
- Adequacy of surface and groundwater diversion and water quality control measures
- Storage of hazardous and low-level radioactive materials
- Environmental compliance with all existing and applicable local and federal regulations
- Existence of any legal or other pending litigation issues
- Environmental monitoring and reporting
- Existence of complete reclamation and closure plans and adequate bonding for closure financing

Debt and Equity Financing Arrangements

At Tetra Tech our goal is to move projects forward by bringing investors and mining companies together. We help the client through due diligence and the mergers and acquisition process and secure the resources necessary to move projects along.

For mining companies: The same knowledge, experience, and global reach have positioned us well to assist companies in identifying credible investors for their projects. We also guide organizations through the initial public offering and listing process and ensure they are connected appropriately.

For investors: Our knowledge, experience with mining projects, and global reach have positioned us well to help investors and mining companies to identify credible projects.

- We work with investors to establish criteria for the types of mining projects in which they are interested
- We then work through a step-by-step process to identify viable projects that match the investors' interests
- We verify that the mining company is interested in moving forward and then connect the investors with the mining company

Investment Symposiums

London • Beijing • Toronto • New York

Tetra Tech holds investment symposiums to connect investors with outstanding mining opportunities in various stages of development. These events help to link those who want to invest with those who need capital investments to move a project along in the life cycle. Tetra Tech also coordinates booklets of investment opportunities for key projects with a great chance of success, providing another opportunity to link its customers with the financial world.

Tetra Tech's scientists and engineers take an active interest in the mining world and work with some of the world's best-in-class mining operations.

Environmental and Social Responsibility

Tetra Tech offers the expertise needed to support corporate social responsibility and environmental programs, as well as adherence to the Equator Principles for determining, assessing, and managing social and environmental risks and the associated reporting requirement for funding of emerging mine projects and significant mine expansions.

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