

Mine Operations Support and Sustaining Capital Programs

Plant and Facilities Engineering

Tetra Tech's multidisciplinary engineers and project managers draw upon years of on-site operational and design experience to assist operators in achieving reliable, productive operating facilities while emphasizing the safety, operability, and maintainability of the facility.

We execute projects that:

- Maintain or improve efficiency, reliability, capacity, and safe production performance
- Reduce capital, operational, and maintenance costs
- Achieve plant design or expansion expectations
- Reduce potential hazards
- Reduce downtime during equipment replacement or upgrade
- Achieve or exceed regulatory, environmental, and safety standards

We provide project execution plans; conceptual, basic, and detailed engineering design; construction work packages; cost estimating; procurement support; construction management; start-up; commissioning; training; and maintenance support for facility and plant components, expansions, improvements, and replacement equipment.

Commitment to Safety Excellence

Tetra Tech has become a leader in safety performance by consistently applying health and safety practices across all projects wherever the work takes place around the world—in the office or at the job site. This commitment to safety excellence is driven by our senior management and implemented across the entire organization at every level from the corporate office to local project staff.

Tetra Tech is a registered member of BROWZ, PICS, and ISNetwork, which provide clients direct access to information on the company's safety programs and rating.



Sustaining Capital Programs

Our health and safety culture is a primary focus for our engineering teams and project managers as they support sustaining capital improvements, end-of-life equipment replacements, retrofit upgrades, and control systems to help clients reduce equipment downtime and achieve optimal capacity and production rates.

We provide full-service plant and facility engineering, including office-based engineers and managers and in-plant seconded personnel to support sustaining capital projects to keep mine facility and plant equipment operational.

Expansion or Growth Capital

To assist mines with increasing capacity or production rates, we can also support major and minor capital expansion projects with full-service, multidisciplinary plant and facility engineering and project management.

We provide office-based design and project execution, on-site construction management and commissioning support, and in-plant seconded personnel for project implementation.

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.



On-call Engineering or Outsourced Engineering Support

Tetra Tech supports continued operations and sustaining capital programs at many levels of involvement, including engineering on an as-needed or on-call basis, in which Tetra Tech staff augments a client's site and technical personnel. The projects may be short-turnaround task orders to support larger projects or may involve in-plant seconded personnel for a specific project or duration. The successful execution of these on-call or outsourcing task orders depends on the quick response of our management and design teams and our site-based personnel.

Mine Operations Support

Tetra Tech is involved in ongoing operations support at mining operations worldwide, providing services in support of continued operations, growth, and sustaining capital programs:

- Development of project execution plans and construction work packages
- Process equipment replacement and upgrades
- Mine and plant optimization improvements
- Control systems
- Air monitoring equipment
- Plant capacity upgrades and expansions
- Infrastructure improvements
- Ancillary facility improvements
- Hazard and operability (HAZOP) analysis
- Heap leach facility and tailing storage facility improvements
- Material handling system improvements
- Safety equipment updates
- On-site operations support staff
- Process optimization evaluation

Tetra Tech provides integrated engineering techniques and procedures to check, inspect, and test to verify that operational components meet project requirements.

Diverse Commodity Types

on our projects include gold, silver, platinum, palladium, aluminum, copper, nickel, zinc, alloys of iron with chromium, manganese, silicon, tungsten, molybdenum, vanadium, coal, potash, rare earths, energy minerals, and industrial minerals

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UK	Santiago, Santiago Province
US	Swindon, Wiltshire Golden, Colorado Salt Lake City, Utah Tucson, Arizona