

Mineral Resources



Optimize the efficiency and performance of your assets, while protecting your people, your brand, and the environment. Apex professionals possess a deep understanding of the risks and regulations facing the mineral resources industry, and have experience supporting both surface and subsurface operations across a wide variety of industries.

Your Trusted Partner

Apex is by your side throughout the industry value chain: extraction, processing, and transportation. Our services are designed to support worker health and safety, environmental performance, corporate sustainability, and reporting throughout the life cycle of your operations, from planning and design through procurement of components and equipment to construction and operation. With certified expertise in Mine Safety and Health Administration (MSHA) protocols and procedures; hazardous materials; environmental, health, and safety (EHS) conformance; and sustainability frameworks, Apex offers a full-spectrum of services to our clients in the mineral resources sector.

- Manage risk in your construction projects through safety assessments, environmental compliance, supervision, and quality assurance
- Achieve consistent quality by controlling your supply chain and processes
- Reassure local stakeholders by demonstrating EHS conformance and reporting on applicable sustainability metrics
- Ensure a healthy and safe workforce and protect the environment through sound EHS performance and management
- Optimize the efficiency of your operations and maintenance activities

Mine Engineering Solutions

- Air quality
- Acid mine drainage treatment
- Coal refuse disposal
- Construction inspection and certification
- Deep mine design
- Dust control
- Environmental monitoring
- Geologic interpretations
- Hydrogeology
- Mine mapping, timing projections, valuations, and ventilation
- Permitting
- Pre-mine/pre-blast surveys
- Regulatory oversight inspections and regulatory liaison
- Reclamation
- Reserve evaluations
- Subsidence plans and mapping submittals for mining operations to federal and state regulatory agencies
- Surface mine design
- Surveying
- Time studies
- Water sampling and analysis

Geological Engineering Solutions

- Designing and directing subsurface investigations
- Soil and rock core sampling and identification
- Rock quality designation and soil consistency/relative density determinations
- Hydrogeology, groundwater monitoring, and reporting
- Drilling contracting and boring schedules
- Prepare detailed (lithologic) descriptions
- Geologic reconnaissance/mapping
- Mineral resource reserve evaluations
- Environmental considerations and evaluations

EHS Services and Solutions

- Environmental site assessments
- Hazardous materials management
- Industrial hygiene exposure assessments
- Monitoring exposures to various agents of concern
- Water management
- EHS systems performance and assurance
- Workplace safety solutions
- EHS conformance assessment, monitoring, and reporting
- Risk assessment and treatment
- Compliance and permit services
- Facility decommissioning and redevelopment
- Geographic information systems and data management
- Contaminated site management services
- Sustainability reporting, verification, and assurance
- Greenhouse gas emissions management
- Legal support and expert witness services
- Laboratory services
- Safety culture and behavioral approaches

Why Choose Apex

Established in 1988, Apex Companies provides award-winning consulting, engineering, and field services with a robust portfolio of capabilities in water, environmental, health and safety, construction management, transportation, compliance and assurance, and infrastructure.

Apex has the flexibility to select from a nationwide group of specialists in numerous disciplines. Multi-site project responsibility can be directed through a single point of contact to streamline communication and project scheduling, and control costs.

Clients turn to us for our technical expertise, innovative approaches, quick response time, and unparalleled performance. We operate in all 50 states and maintain a highly capable and diverse team of scientists, engineers, technicians, and information management specialists. Simply stated, we provide exceptional results while saving you time and money.