Building Mines on a Firm Foundation

Mining companies look for sustainable solutions to the challenges posed by remote sites, extreme weather and complex geology. They strive for operating excellence, accountability and transparency towards the environments and communities they touch. Golder has been delivering technical excellence and practical solutions for over 50 years. We work with you to solve today's challenges, while also anticipating tomorrow's needs.

Why Golder?

At Golder we pride ourselves on our technical excellence. Our global mining business provides the integrated engineering and environmental services needed to achieve your objectives in all market conditions. The collaborative nature of our 100% employee-owned company means we take pride in the work we do and are personally invested in your project's success.

Our team of over 1,700 dedicated mining professionals work across all stages of the mine life cycle, from exploration to closure.

We provide full mining solutions for:

- Mine Engineering, Geology and Stability
- Mine Waste
- Mine Water
- Mine Environment and Permitting
- Mine Closure
- Mine Infrastructure and Construction Services

Health and Safety is Fundamental

Work safe, home safe... that's our goal. Safety, security, health and wellness are fundamental tenets of our business. Awareness and attention are the first step, but mutual caring and individual responsibility is the ultimate answer. At Golder, every individual has the training, the tools and the power to create a safe work environment.

A truly **global** presence

Soft rock and hard rock, surface and underground, arctic and tropical, Golder is a trusted advisor to thousands of mining clients; juniors, mid-tier, and majors alike.

We work with you to meet your objectives, whatever the commodity, the software, the climate or conditions, Golder seeks to develop and deliver a solution that fits the needs of your site.

Mine Engineering, Geology and Stability

- Front End Studies (PEA, PFS & FS)
- Regulatory Compliance Reporting (NI 43-101, JORC, SAMREC, S-K 1300)
- Due Diligence Assessments for Operations & Acquisitions
- Geotechnical Investigations, Assessments & Design
- Mine Design Studies
- Mineral Resource & Reserve Estimations
- Mine Design & Geotechnical Support to Operations
- Backfill Studies & System Design
- Numerical Modeling

Mine Waste

- Tailings & Waste Rock Facilities
- Systems Operations & Monitoring
- Heap Leach Facilities
- Site Geotechnical Engineering
- Tailings Processing, Dewatering & Transport
- Siting Studies
- Life of Mine Waste Management Planning

Mine Water

- Hydrogeology
- Surface Water Management
- Pit & Underground Dewatering/ De-pressurization
- Modeling for Natural Systems & Infrastructure
- Hydraulic Design
- Water Treatment

Mine Environment and Permitting

- Baseline Studies & Environmental Permitting
- Environmental & Social Impact Assessments
- Air Quality & Noise
- Safety and Industrial Hygiene
- Wildlife, Terrestrial & Fisheries/ Aquatics

Mine Infrastructure and Construction Services

- Contract Administration
- Construction Management & Contracting
- Shaft Maintenance & Remediation
- Shaft Inspections & Design
- Quality Assurance/Quality Control

Mine Closure

- Detailed Cost Estimation
- Planning & Alternative Analysis
- Risk Assessments
- Drainage/Hydrology
- Geochemical & Hydro-chemical Evaluations
- Cover Design & Vegetation
- Post-Closure Monitoring & Maintenance

HIGHLIGHTS

- *Developed closure guidelines for APEC nations*
- *Invented Mathews' Method*
- *Designed & commissioned 30+ paste plants*
- *Author of the Guidelines for Mine Waste Dump and Stockpile Design*