

SPECIALIZED CONTRACTING AND PROJECT MANAGEMENT SERVICES

GROUND ENGINEERING

Building
a better
world



GOLDER ASSOCIATES INNOVATIVE APPLICATIONS (GAIA) INC. IS A COMPANY PROVIDING SPECIALIZED CONTRACTING AND PROJECT MANAGEMENT SERVICES FOR ENVIRONMENTAL REMEDIATION AND GROUND ENGINEERING PROJECTS. GAIA IS A WHOLLY OWNED SUBSIDIARY OF GOLDER ASSOCIATES LTD., PART OF THE GOLDER ASSOCIATES GLOBAL GROUP OF COMPANIES SPECIALIZING IN GROUND ENGINEERING AND ENVIRONMENTAL SERVICES, AND WITH OVER 5,200 EMPLOYEES OPERATING IN MORE THAN 140 LOCAL OFFICES AROUND THE WORLD.

TECHNOLOGY INTEGRATION AND DEVELOPMENT

GAIA’s reputation comes from searching beyond the ready-made answers to find creative solutions for its clients’ unique projects. Whether developing and integrating appropriate new technologies or improving on established techniques, GAIA provides efficient technical answers to complex challenges. Its team is able to combine technical expertise and construction savvy to ensure timely and cost-effective delivery.

MARKET SECTORS

GAIA provides specialized services through a variety of contractual arrangements including:

- > Engineering contractor (EPCM)
- > EPC Contractor
- > Specialized Contractor
- > Construction Manager
- > Project Manager
- > Facility Operator

Whether from mining, waste management, water resources, power, land development, transportation, oil and gas or manufacturing, GAIA’s clients benefit from innovative and efficient contracting services for all their environmental and ground engineering contracting needs.

Slope depressurization for open pit extraction





Debris flow mitigation

SERVICES

GAIA's project management and specialized contracting services involve the management and execution of construction or remediation projects through:

- > Planning, scheduling, and logistical services
- > Procurement services
- > Value engineering and scope optimization
- > Estimating and cost control
- > Quality control
- > Risk analysis and management
- > Health and safety management

ISO REGISTRATION

In the pursuit of its clients' objectives, GAIA strives to maintain quality with respect to health and safety, cost and schedule control, and development of innovative solutions. All aspects of GAIA's work are completed in accordance with a quality program that is ISO 9001:2000 registered. Clients can be confident that attention to detail is integral to every project GAIA undertakes.

GROUND ENGINEERING SERVICES

In order to help Golder Associates Ltd. take its technical strengths to another level, GAIA provides a variety of applied ground engineering services that fall into the broad categories of ground improvement, mine services and foundation engineering which include:

- > Blast densification
- > Dynamic compaction
- > Rapid impact compaction
- > Seismic upgrades
- > In situ deep soil and shallow soil mixing
- > Dewatering
- > Slope stabilization
- > Erosion protection
- > General earthworks
- > Compaction grouting
- > River engineering
- > Debris flow mitigation
- > Dredging
- > Tailings management
- > Soil freezing
- > Ground improvement
- > Shoring
- > Piling



Blast densification of mine tailings



Advanced deep soil mixing techniques

**BUILDING
A BETTER
WORLD:
YOUR WORLD.**

By respecting your
concerns, and those
of the environment,
in Canada and around
the globe.

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