

ENVIRONMENT

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.



Landfill capping

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.



Environmental remediation – Nitchequon



In situ and ex situ soil treatment – chemical oxidation



Low turbidity precision dredging of PCB-contaminated sediments

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.

ENVIRONMENTAL SERVICES

In order to help Golder Associates Ltd. take its technical strengths to another level, GAIA provides a variety of applied environmental services that fall into four broad categories:

- > **Waste management services including** landfill construction, management and closure; landfill gas management; and leachate collection, management and treatment.
- > **Contaminated site remediation services including** in situ and ex situ treatment for contaminated soils and disposal; reactive barriers; soil heating; air sparging and soil vapour extraction; LNAPL/DNAPL vacuum enhanced recovery; contaminated water treatment; design and assembly of environmental systems; excavation; and dredging of contaminated sediments.
- > **Turnkey industrial decommissioning capability including** abatement of hazardous building materials; PCB removal and destruction; chemical waste reduction and disposal; demolition; solid waste recycling; and remediation of contaminated soils and groundwater.
- > **Water resources management services including** debris flow mitigation; water resources management and hydrology; fish screens/water intake; revegetation and riparian planting; habitat compensation work; habitat creation and restoration; and wetland creation.



Process Room – multi-phase extraction system



Nitchequon

**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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