

RENEWABLE ENERGY ALTERNATIVE FUEL

Around the world
Under the earth
Above & beyond

› In the world of power generation, Golder Associates provides engineering and environmental consulting services that help you make the decisions throughout the life of your project. With strong geographic coverage in both developed and developing countries, we have a global support system that can be used to help you achieve project goals for renewable power projects.



SMALL / LARGE SCALE HYDRO

As a small hydro developer you can rely on our experience and expertise to develop and maintain sustainable solutions. Our capabilities include environmental impact assessments, facility design, hydropower optimization, operational planning for multiuser reservoirs, emergency operations preparedness, monitoring systems, and dam safety reviews.

WIND & SOLAR

Wind and solar energy will continue to become a practical and cost-effective renewable energy solution. Our team has completed a number of projects for proposed and existing wind farms as well as Canada's inaugural solar farm fields. We can help develop your wind and solar energy projects by providing assistance with environmental assessments, site selection, permitting, and overall project site development.

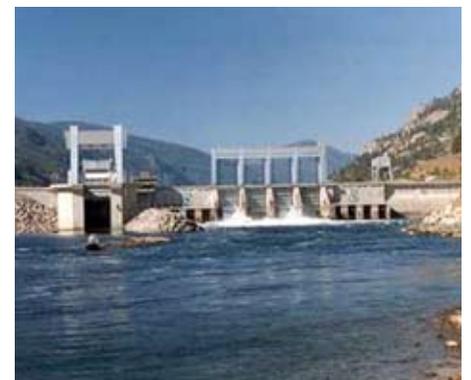
BIOENERGY

Whether you are building a new ethanol plant that uses grain as a feedstock, or considering an energy project to recover value from waste wood, we can help you from concept to closure. Golder can consult on choosing and developing an optimum site, accomplishing the

environmental permitting process, and detecting and managing environmental liabilities. We can apply our wide environmental and engineering capabilities - from air quality to ground engineering and all aspects in between - to help you develop and operate a successful biomass project.

LANDFILL GAS

Through an entire project lifespan, Golder helps developers and operators manage their landfill gas-to-energy facilities by combining engineering, scientific and project management resources. Whether you need support for landfill design and construction, implementation of landfill gas collection systems, or require a feasibility study, we can provide tailored solutions for your projects.



CLIMATE CHANGE ISSUES

The development of corporate strategies for climate change is of growing importance as a result of government and public concern for greenhouse gas emissions. Golder can help your business evaluate the best available technologies and implement the management strategies to reduce GHG emissions as well as assist in the preparation strategies. With experience in air emission technology reviews and carbon emission auditing programs design for offsetting existing carbon emissions, we can help you move forward with climate change initiatives.

GEOTHERMAL

Building on our extensive credentials in geotechnical and ground engineering, Golder provides unparalleled expertise and knowledge to the geothermal energy industry. Using the latest in thermal modelling and testing, Golder can help you determine and implement the most cost-effective solutions for your ground-source systems. With an eye for value and innovation, our consultants can assist in guiding your geothermal project to long-term success.

ALTERNATIVE FUELS

The diversification of fuel resources is an important strategic option that your business will face as environmental regulations continue to evolve. We've worked on some of the world's largest and most complex fuel diversification projects, and we can help your business diversify its energy portfolio by providing services for fuel conversions using biosolids, biomass, ethanol, biodiesel, MSW, fuel additions using natural gas, and fuel repowering using combined cycle technology on existing steam cycles.

COAL BED METHANE

Our clients in the coal bed methane industry rely on our expertise in the areas of hydrogeology, ground and surface water geochemistry, and project planning. The Golder team can provide a range of services to meet your project requirements, including the design of water engineering and management plans, aquifer characterization, soil and vegetation assessments, and designing, testing, and maintaining injection wells.

ABOUT GOLDER

At Golder Associates we strive to be the most respected global group specializing in ground engineering and environmental services. Employee owned since our formation in 1960, we have created a unique culture with pride in ownership, resulting in long-term organizational stability. Golder professionals take the time to build an understanding of client needs and of the specific environments in which they operate. We continue to expand our technical capabilities and have experienced steady growth with employees who operate from offices located throughout Africa, Asia, Australasia, Europe, North America and South America.



OUR CORE VALUES:

- Reliable, innovative, cost-effective solutions
- Professional, cultural, gender and business diversity
- Supportive of personal growth, learning and risk taking
- Responsible participation in business and ownership
- Sustainability of financial return to staff and owners
- Integrity in our relationships, commitments and quality services



Global Issues



Local Solutions

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