



Engineering & Environment



Down to Earth.



Up to the Challenge.



About Us



Klohn Crippen Berger Ltd. (KCB) is an international engineering and environmental consulting firm with its' head office in Vancouver and seven offices in strategic locations in Canada, Peru and Australia. We have a strong reputation for quality service and technical expertise in a range of services including: Mining, Environmental, Water, Power, Transportation, and Oil and Gas. Since forming in 1951, we have a long history of participation in local projects, as well as a strong international reputation. We are working on some of the largest, most challenging engineering projects, both nationally and internationally.

Through our association with The Louis Berger Group (LBG) we have access to over 3500 employees in over 100 offices worldwide. LBG works in the main business areas of environment, highways and infrastructure.

"In business for 58 years, its [KCB's] quality of engineering gives it a stellar reputation."

Business in Vancouver
February 2009

Our Values

- People first
- Ethics, integrity, honesty
- Professionalism
- Innovation
- Quality
- Technical excellence
- Recognition of individual contributions
- Teamwork
- Sustainability
- A satisfying and fun workplace

Our Vision

Excellence, teamwork, and innovation building a better world.

Our Mission

To attract, develop, and retain talented staff and quality clients who thrive and excel as a team while undertaking exciting projects.

"We would like to congratulate Klohn Crippen Berger and its entire workforce. Achieving Canada's highest level of Canadian business excellence takes a united effort and we are privileged to acknowledge such a strong team."

John Hughes, Partner
Private Company Services Group with Deloitte,
a national sponsor of the Best Managed Program.
Feb 2nd, 2009



Quality & Awards

As a provider of high quality services, we have, since 1999, a comprehensive quality management system (QMS) that meets the requirements of the ISO 9001:2008 standard and guides our professionals to carry out projects to meet client expectations.

We are the recipient of over 40 national and international engineering and environmental awards for major projects. In 2009, Klohn Crippen Berger was awarded the "Canada's 50 Best Managed Companies" award.



Harnessing the Power of Water





KCB engineers have been designing and building hydroelectric and water supply facilities since the 1960s. We provide a complete range of integrated services from environmental and engineering design for new projects, to maintenance and rehabilitation of existing projects. Our teams integrate civil, mechanical, electrical, geotechnical, environmental and social components to deliver solutions for our clients. With international experience on some of the highest dams in the world, we have the depth and experience to meet the challenges.

Small to Large Hydro

Our projects range from 20 MW power plants for private clients to 1,000 MW facilities for major utilities.

Award Winning Project:

Seymour Falls Dam
CCE Awards of Excellence 2007



Water Supply and Irrigation

Safely storing and preserving our water for irrigation and community water supply is a key business of KCB. Our dam and irrigation projects range from the arid regions of Africa, Asia and South America to North America. As engineers of some of the highest dams in Canada, which are also in the highest seismic zone in Canada, we ensure the supply of safe drinking water.

Hydraulic Structures and Watershed Management

Our design of hydraulic structures integrates water and flood management with civil engineering design of spillways, diversion channels, tunnels, dykes, inlet and outlet structures, which incorporate control systems to increase efficiency and reduce the risk of failure. Watershed management includes flood mapping and dam break assessment, with modelling of water flows and water quality, and incorporation of climate change.

Groundwater

KCB has a strong groundwater team with practical, field-based experience and numerical modeling skills required to analyze complex geological and hydrogeological environments, and provide sound groundwater engineering designs.

Transportation Infrastructure – Engineering from the Ground Up

KCB was formed as a merger between a heavy civil and transportation design group and an earth science and environmental group. As designers of some of the largest bridges and transportation infrastructure projects in North America, our civil engineers work with our geotechnical teams to design for difficult seismic, foundation and marine conditions. Engineering is further supported by our environmental, permitting and social consultation teams.

Designing Bridges to the Future

KCB's experience includes transit tunnels elevated guideways, and road and rail bridges. Our geotechnical and structural engineers have been principal designers for some of the largest bridges in North America.

Marine

We are active in the planning, design and construction of a wide variety of ports, harbours, and marine terminals. Our specific experience ranges from economic evaluations, structural assessments and remedial designs, through to site development, wharf design and site services for major new terminals. KCB's background of marine engineering experience can make a difference to our clients on port projects.

Ground Engineering

Our geotechnical engineers provide geotechnical design for heavy industrial, transportation, infrastructure and resource projects. KCB has a proven track record since 1951 in solving engineering problems associated with difficult ground conditions: weak soil and rock formations, unstable slopes, permafrost and earthquake risk. Our experienced geotechnical engineers are supported with a modern soil mechanics laboratory.



"The firm has spent the past 15 years building quality into its culture via a rigorous project management procedure it applies to all projects that is both internally and externally audited."

National Post, Feb 2nd 2009

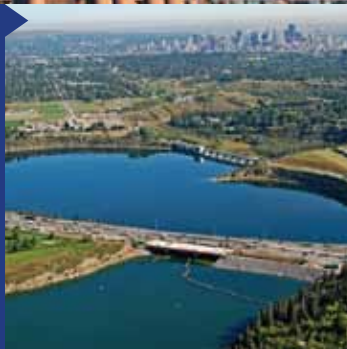


Award Winning Project:

Glenmore Causeway Upgrades

Winner of the Consulting Engineers of Alberta Engineering Awards of Excellence 2009, in 3 categories:

- Transportation Infrastructure Excellence Award
- Project Management, Merit Award
- Water Resources, Energy Production, Merit Award



Engineering for the Resource Sector



Award Winning Project:

Gaining Real-time Control of Surface Water and Treatment
Consulting Engineers of Ontario
Engineering Awards of Merit 2009



Sustainable Resource Development from Concept to Closure

KCB's multi-disciplined teams include water resource, geotechnical, geochemical, civil engineering and environmental professionals that manage your project to protect the environment and develop designs that can be efficiently built and operated. Since the 1960s, we have been providing solutions for the resource sector.

Mining

KCB specializes in the design of tailings storage facilities to reduce the cost and risk for operations and the provision of sustainable designs for closure. We have been responsible for the design of over 150 tailings storage dams around the world for all types of mines, in all types of climatic, geographic and social settings. Our solutions range from dewatered tailings located near parks to 300 m high dams located in difficult climatic and seismic environments.



Oil Sands

As principal designers for a number of major oil sands tailings projects in northern Alberta, KCB has the experience to design some of the largest tailings facilities in the world. Our project teams include geotechnical, seismic, groundwater, surface water, civil, structural, mechanical, electrical, and environmental engineers.

Oil and Gas

We provide geotechnical, water resources and environmental services for pipelines and other linear developments, including permitting, environmental assessments, remediation design and reclamation services.

We integrate social/consultation with environmental sciences and engineering skills to design and build projects for people and the environment.

Environment by Design

Our focus is the integration of the environment into engineering and social plans to build successful, sustainable projects. We minimize environmental effects and optimize opportunities to mitigate the environmental footprint of the project and maximize social benefits. Our environmental teams include specialists in: aquatic and terrestrial biology, geochemistry, limnology, meteorology, hydrology and groundwater, socio-economists, and project and program managers. We work with local environmental consultants and retain national and international experts to develop teams that work for the client, the community and the environment.

Our environment professionals have extensive experience in working with our engineers for the successful integration of environment and engineering for power, water resources, transportation, mining, oil sands, and oil and gas projects.

Incorporating Social Concerns into Design – Building a Better World

Inclusion of communities of interest in project planning, execution and closure is carried out with consultations, communication plans, and integration with project design.

Partners with Indigenous Communities

KCB partners with First Nations, Aboriginal, Inuit and Indigenous communities to provide environmental services that enhance local participation in major projects. For example, we have a partnership with IEG Consultants, which is a joint venture with the Inuvialuit Development Corp., to deliver services in Northern Canada.

This gives us the unique ability to interact with all stakeholders and regulators in a mutually beneficial manner in sensitive remote areas. We have formed a similar alliance, IEG Nunasi Consultants, with the Nunasi Corporation to provide engineering and environmental services in Nunavut.





Award Winning Project:

South Tailings Pond Wetlands
Winner of the Canadian Consulting Engineers Awards of Excellence 2007





Through our association with Louis Berger, a leading infrastructure engineering, environmental science and economic development consulting operation, we have access to a broad depth of specialized technical expertise in over 100 offices worldwide.

www.klohn.com



OFFICE LOCATIONS

CANADA Vancouver | Calgary | Edmonton | Saskatoon | Sudbury | Lloydminster | Inuvik | Castlegar

INTERNATIONAL Brisbane | Perth | Lima | London