Klohn Crippen Berger (KCB) has over 60 years of participation in some of the largest and most challenging projects in the world. We have a strong reputation for quality service and the capacity to support a practical “on-the-ground” approach. With over 500 professional staff located in 11 offices worldwide, we can help you with your most difficult project anywhere.

KCB is an affiliate of Louis Berger, a global infrastructure and development firm. Through our association with Louis Berger we have access to a resource base of 6,000 dedicated employees, affiliate employees in more than 50 countries, and are able to respond to local conditions while providing clients with the technical resources and rapid response capabilities of a leading global organization.

KCB offers a full range of services to clients in a variety of sectors:

- Natural Resources
- Transportation and Infrastructure
- Hydro Power

KLOHN CRIPPEN BERGER IS AN AWARD WINNING ENGINEERING, GEO SCIENCE AND ENVIRONMENTAL CONSULTING FIRM WITH GLOBAL INFLUENCE.
OUR COMMITMENT TO EXCELLENCE

Our corporate vision is to build a better world through excellence, teamwork and innovation. Our commitment to excellence is the driving force behind everything we do and as a result, we are the recipient of over 50 awards for business leadership and project innovations. Our projects stand the test of time and we continue to work on many sites that we helped develop decades ago.

QUALITY, HEALTH & SAFETY AND ENVIRONMENT

Our business is governed using an integrated management system (IMS) consisting of quality, health and safety, and environment procedures. We are committed to continually improving the effectiveness of our IMS in collaboration with our employees and clients.

For many of our key clients we subscribe to subcontractor management systems and ensure that our health, safety and quality documentation comply with their requirements. We maintain good standing with PICS, ISNetworld, Contractor Qualification Network, ComplyWorks and BROWZ.

SUSTAINABILITY

We are committed to sustainability in all aspects of our business and professional services. Visit www.klohn.com to view our report.

IN OUR PROJECTS

We endeavor to minimize the impact of our operations on the environment, including the prevention of pollution to the land, water and air, and to integrate sustainability considerations in our professional practice. We also advise our clients on ways to eliminate, mitigate or remediate the environmental impact of their operations or facilities, and include opportunities to incorporate sustainable options into their projects.

IN OUR OFFICES

As a consulting firm, our greatest opportunity to positively impact the environment is through our project work. This however, does not deter us from continuing to focus on our office operations as we believe in maintaining a culture of sustainability throughout all aspects of our work. Details on our in-office initiatives can be found in our sustainability report.

FOR OUR COMMUNITY

We have a robust Corporate Social Responsibility program driven by our employees. We believe that by supporting causes that employees are passionate about, we build an environment in which employees feel engaged and supported. This positively impacts our professional practice and the communities that we serve. We also support educational institutions through endowments, co-op programs and guest lectures.
OVER 80% OF OUR CLIENTS ARE REPEAT CLIENTS

PROJECT LOCATIONS

AMERICAS
- Argentina
- Brazil
- Canada
- Chile
- Colombia
- Costa Rica
- Ecuador
- French Guiana
- Guatemala
- Panama
- Peru
- USA
- Venezuela

EUROPE
- Algeria
- Belgium
- Canada
- China
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Israel
- Italy
- Japan
- Lithuania
- Netherland
- Norway
- Poland
- Portugal
- Qatar
- Romania
- Russia
- Saudi Arabia
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom

AFRICA
- Algeria
- Angola
- Botswana
- Cameroon
- Cote d’Ivoire
- Egypt
- Equatorial Guinea
- Ethiopia
- Gabon
- Gambia
- Ghana
- Guinea
- Guinea-Bissau
- Kenya
- Liberia
- Libya
- Madagascar
- Malawi
- Mali
- Mauritania
- Morocco
- Namibia
- Niger
- Nigeria
- Senegal
- South Africa
- Sudan
- Tanzania
- Togo
- Tunisia
- Turkey
- Uganda
- United Kingdom

ASIA
- Afghanistan
- Albania
- Cambodia
- China
- Indonesia
- Iran
- Iraq
- Japan
- Jordan
- Kazakhstan
- Korea
- Kuwait
- Laos
- Lebanon
- Malaysia
- Nepal
- Pakistan
- Philippines
- Qatar
- Sri Lanka
- Sudan
- Thailand
- Turkey
- United Arab Emirates
- Vietnam

AUSTRALASIA
- Australia
- Fiji
- New Caledonia
- Papua New Guinea

OFFICES

WE HAVE 10 OFFICES IN STRATEGIC LOCATIONS IN CANADA, AUSTRALIA, SOUTH AMERICA AND THE UNITED KINGDOM

CANADA
- Vancouver
- Calgary
- Edmonton
- Sudbury
- Toronto
- Saskatoon

AUSTRALIA
- Brisbane
- Perth

PERU
- Lima

UNITED KINGDOM
- London

RECENT PROJECT AWARDS

ASSOCIATION OF CONSULTING ENGINEERING COMPANIES | CANADA
- Greens Creek Mine, AK, USA
- Nam Theun II Hydro Project, Laos
- Seymour Falls Dam Seismic Upgrade, BC, Canada
- South Tailings Pond Wetlands, Millennium Mine, AB, Canada

U.S. SOCIETY ON DAMS (USSD)
- Sno Qualmie Hydro Redevelopment Project, WA, USA

ASSOCIATION OF CONSULTING ENGINEERING COMPANIES | BRITISH COLUMBIA
- Nam Theun II Hydro Project, Laos
- Seymour Falls Dam Seismic Upgrade, BC, Canada

CONSULTING ENGINEERS OF ALBERTA
- Glenmore Causeway Upgrades, AB, Canada
- Molikpaq Drilling Platform, Russia
- St. Mary Dam Spillway, AB, Canada
- Pine Coulee Project, AB, Canada

CONSULTING ENGINEERS OF ONTARIO
- Vale Inco, ON, Canada
- Gaining Real-Time Control of Surface Water & Treatment, ON, Canada

CONSULT AUSTRALIA
- Antamina Mine, Peru

AMERICAN CONCRETE INSTITUTE
- 52nd Street SE Widening Project, AB, Canada

BLUE PLANET PRIZE
- Arrow Lakes Generating Station, BC, Canada
SERVICES

Our multi-disciplinary teams offer services for all stages of the project lifecycle.

ENGINEERING

Civil | Electrical | Geotechnical | Mechanical | Structural | Water Resources

GEOSCIENCE

Hydrogeology | Geochemistry | Slope Stability and Geohazards | Seismic Hazard Assessment

ENVIRONMENTAL

Environmental Assessment & Permitting | Environmental Management & Compliance | Reclamation, Closure & Decommissioning | Site Assessment & Remediation | Social Studies & Community Engagement
“The project successfully overcame many challenges to achieve a unique solution to tailings management. Driven by a desire to be environmentally responsible and address issues of seismic stability, the project shows a leadership in this area that makes it worthy of recognition.”

ACEC Juror’s Comment
MINING

We have worked on more than three hundred mining projects worldwide with a focus on mine waste management and environmental stewardship. KCB has a long history in tailings storage facility design, with experience on hundreds of dams, some up to 300 m high. We have been trusted with some of the largest, most challenging tailings storage facilities, and some of our clients have been with us for over 30 years.

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. Our services incorporate the management, protection and responsible use of natural resources throughout the facility life cycles of exploration, design, construction, operation and closure. Project work to date includes pipelines, offshore drilling islands, plant site foundation engineering and hydrogeological, hydrotechnical and environmental assessment and reclamation services.

OIL SANDS

We are a market leader in providing multi-disciplinary services to oil sands projects. KCB has extensive experience in design, engineering, construction and management of oil sands projects. Our services include tailings dam design, groundwater management and protection, and electrical/mechanical design for pipelines.
KCB provided the structural and geotechnical engineering for the temporary works required to support the world’s largest single-span bridge. Using 25,000 tonnes of steel, the temporary works supported the bridge deck during construction in a seismically-active zone.
TRANSPORTATION & INFRASTRUCTURE

We have provided integrated structural engineering and geotechnical design for major transportation and infrastructure projects for over 60 years.

BRIDGES & ROADS

KCB has been providing integrated structural engineering and geotechnical design for major transportation projects for over 60 years. Our team has played lead design roles for roads and bridges, in design-build and design-bid-build project delivery models.

HEAVY RAIL

We have a long history in heavy rail haul projects dating back to the 1950s when our founding partner, Charles Ripley, procured two challenging geotechnical jobs with Canadian National Railway. Since then, our teams have acquired extensive engineering and environmental experience in the assessment, design, construction, maintenance, and mitigation of numerous infrastructure projects.

MARINE

For over 60 years, KCB has been active in the planning, design and construction of a wide variety of ports, harbours, and marine terminals. Our experience ranges from economic evaluations, structural assessments and remedial designs, to site development, wharf design, and site services for major new terminals.

MUNICIPAL

We offer a complete suite of engineering, environmental, and stakeholder engagement services for municipal projects involving urban stormwater management, transportation systems, pumping facilities, river engineering, foundation design and slope stabilization.

RESOURCE INFRASTRUCTURE

We integrate engineering, geoscience and environmental consultation to study, design, build and close projects in the mining and energy sectors. KCB has the depth of staff and project experience to handle a wide range of resource infrastructure projects from port upgrades to pipelines, roads and bridges.

WATER RESOURCES

KCB’s water resource professionals are involved in hydro power developments, water diversion and storage and conveyance facilities for irrigation projects. Our experience includes surface water management and treatment for mining projects, dykes and river training works for flood and erosion protection projects, flood mapping for emergency preparedness planning, fish passage facilities, and streamflow, lake level and climate monitoring for environmental assessments.
The Nam Theun II hydroelectric project in Laos provides as much as 9% of the country’s GDP by exporting power to approximately 3 million homes in Thailand. Commissioned in 2010, the project has dramatically improved the living conditions of 6,500 people living on the Nakai Plateau, and is helping to alleviate poverty in the country.
Our environmental scientists and engineers, deliver complete facility design and environmental assessments on projects across the globe. Our project design experience ranges from a 7 MW, single-unit project in Canada to a 1,074 MW, multi-unit project in Laos.

**SMALL TO LARGE SCALE HYDRO**

We have a long history of working on hydro projects of all sizes. Our scope of work has included the traditional design-engineer role for design-bid-build projects as well as Owner’s Engineer roles on design-build projects and design engineer working for the design-build contractor.

**DUE DILIGENCE FOR OWNERS, LENDERS & BUYERS**

KCB has provided due diligence services for independent power producers, lenders, owners and third party stakeholders. We work closely with owners in due diligence investigations to ensure that the content of the study carefully meets their requirements.

**DAM SAFETY SERVICES**

Our multi-disciplinary team of professionals perform comprehensive inspections and reviews of all aspects of the design, operation, maintenance, condition and performance of earthfill, rockfill, concrete and roller compacted concrete dams.

**REHABILITATION AND RETROFIT SERVICES**

KCB has considerable experience in all aspects of the rehabilitation of dams and powerhouses, including project management services, and planning, design and construction management services.