

ENERGY

Down to Earth.
Up to the Challenge.

MOOSE MOUNTAIN, ALBERTA, CANADA

Are you looking for technical excellence to help you sustainably develop and operate your projects?

Does that winning combination mean working with a consulting firm that delivers practical technical solutions? A firm to support community engagement to obtain a social license to operate? A firm to provide you with the environmental services to manage resource development responsibly and meet regulatory requirements? And a firm that understands that all of this must be achieved while meeting the needs of your investors?



Klohn Crippen Berger (KCB) is an engineering, geoscience and environmental consulting firm with over 65 years of experience serving energy clients worldwide.

Our team includes some of the most respected and experienced professionals in the industry, who work on challenging projects in the oil sands and offshore oil and gas industries, and the infrastructure and water resources sectors. Our projects include hydrogeology, hydrotechnical, environmental and reclamation services, tailings management, dam design, pipeline design and maintenance, offshore drilling islands and plant site foundation engineering.

- ... OIL & GAS
- ... OIL SANDS
- ... ENVIRONMENTAL
- ... INFRASTRUCTURE

OVER 90%
OF OUR CLIENTS
ARE REPEAT
CLIENTS

CLIENTS INCLUDE

- | | |
|-----------------|-----------------------|
| Access Pipeline | Keyera |
| AltaGas | Origin Energy |
| Apache | Pembina Pipelines |
| Atco Pipelines | Senex Energy |
| Baker Hughes | Shell |
| Blackshire | Suncor |
| Conoco-Phillips | Syncrude |
| Gibson Energy | Talisman Energy |
| Husky Energy | TransCanada Pipelines |
| Japan Oil Sands | Twin Butte Energy |

INTEGRATED TEAMS & TECHNOLOGIES

KCB integrates the application of engineering and geoscience with environment, community and safety-by-design principles. This approach drives our reputation as a leading-edge provider of professional services.

Apply our services to design and monitor the construction of your energy projects. Our valued clients, some of whom have worked with us for decades, have trusted us with the design, development and commissioning of some of the most challenging energy projects across the world.

HYDROGEOLOGY

HYDROTECHNICAL & ENVIRONMENTAL SERVICES

OFFSHORE DRILLING PLATFORMS

OIL SANDS TAILINGS MANAGEMENT

PIPELINE DESIGN & MAINTENANCE

PLANT SITE FOUNDATION ENGINEERING

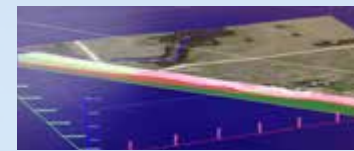


- ENVIRONMENTAL
- LINEAR INFRASTRUCTURE ENGINEERING
- SITE ASSESSMENT & REMEDIATION
- SITE & FACILITIES ENGINEERING
- SURFACE WATER & GROUNDWATER

OIL & GAS



Our engineers and scientists have project experience in arid, tropical and arctic regions, and are familiar with the engineering design and environmental management requirements for conventional and unconventional oil and gas projects.



We provide comprehensive services for environmental management of oil and gas projects with a focus on water and infrastructure engineering and design requirements. This includes project life cycle water management from development of surface water or groundwater supply through wastewater disposal management, monitoring and compliance. We integrate social, environmental and regulatory requirements in our project design services for project development, operations and reclamation.





OIL SANDS

DEWATERING SYSTEMS●

GEOTECHNICAL / FOUNDATIONS●

POWER TRANSMISSION●

PUMP STATIONS●

SLURRY SYSTEMS●

TAILINGS DAMS●

TAILINGS PROCESS SYSTEMS●

We can provide you with cost-effective, innovative designs that are consistently approved by regulators with a minimum of conditions.

Our integrated team of engineers, geoscience and environmental scientists are committed to help your projects meet regulatory standards for environmental management, including the management of surface water and groundwater.

Your project goals and objectives can be met through our efficient allocation of resources. No project is too large or too complex.

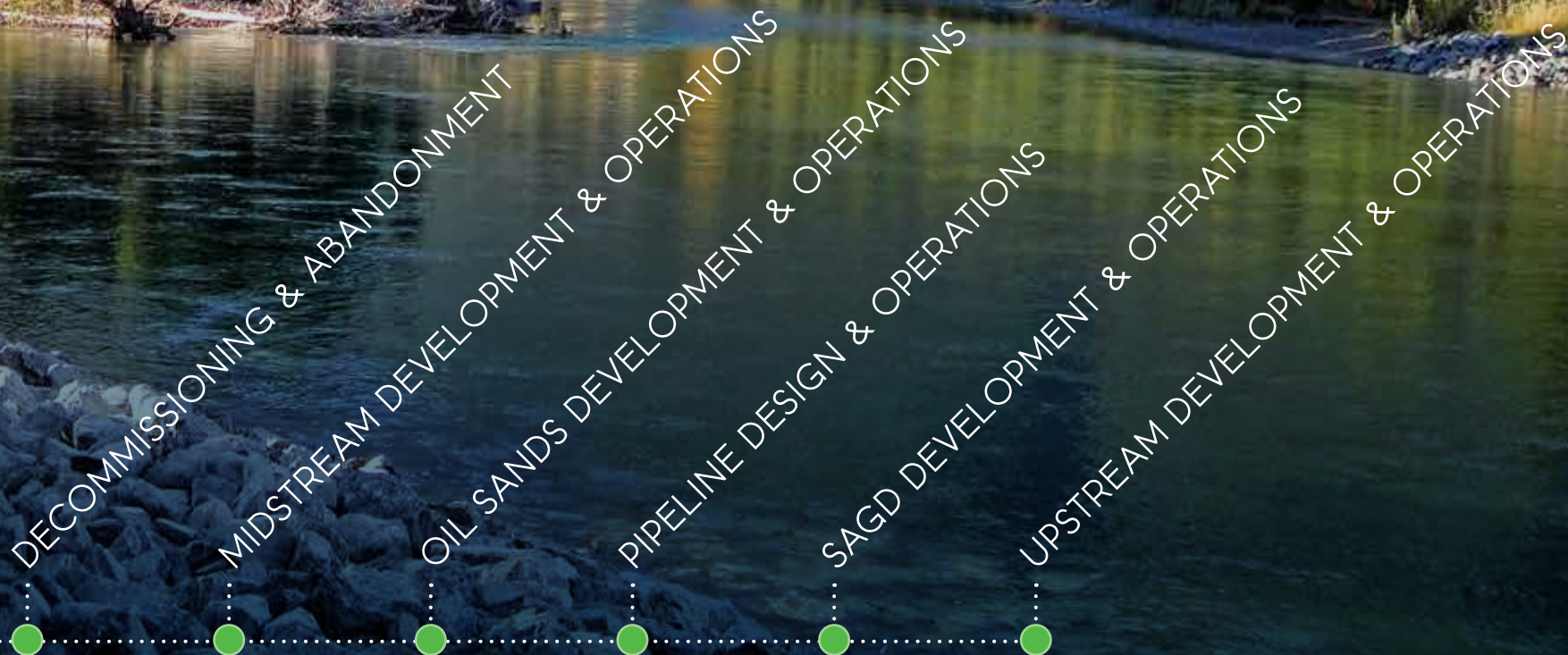


ENVIRONMENT

KCB applies the environment-by-design principle by integrating environmental considerations into project planning and design to build successful projects.

We can successfully remediate and monitor environmental impacts identified during your project's environmental assessment. We offer site-specific remedial options involving modelling, design, remediation strategies and risk assessments.

Work with us to integrate your project with the biophysical environment. Our teams have worked on hundreds of environmental projects worldwide, including key infrastructure and resource development projects.



ENERGY INFRASTRUCTURE

We integrate engineering, geoscience and environmental consultation to study, design, build and decommission projects in the energy sector.

For over 65 years, KCB has provided geotechnical and civil engineering design services, incorporating hazard management, for railways, pipelines, and related infrastructure. Use our experience to design and monitor the construction of powerlines, and access roads and bridges to your wellsites or plant facilities.

- PIPELINE DESIGN
- RAILWAY GRADE & SLOPE STABILIZATION
- RAILWAY INFRASTRUCTURE
- TRANSMISSION POWERLINES
- WATER PIPELINE RETICULATION SYSTEMS
- WELL SITE & PLANT ACCESS ROADS

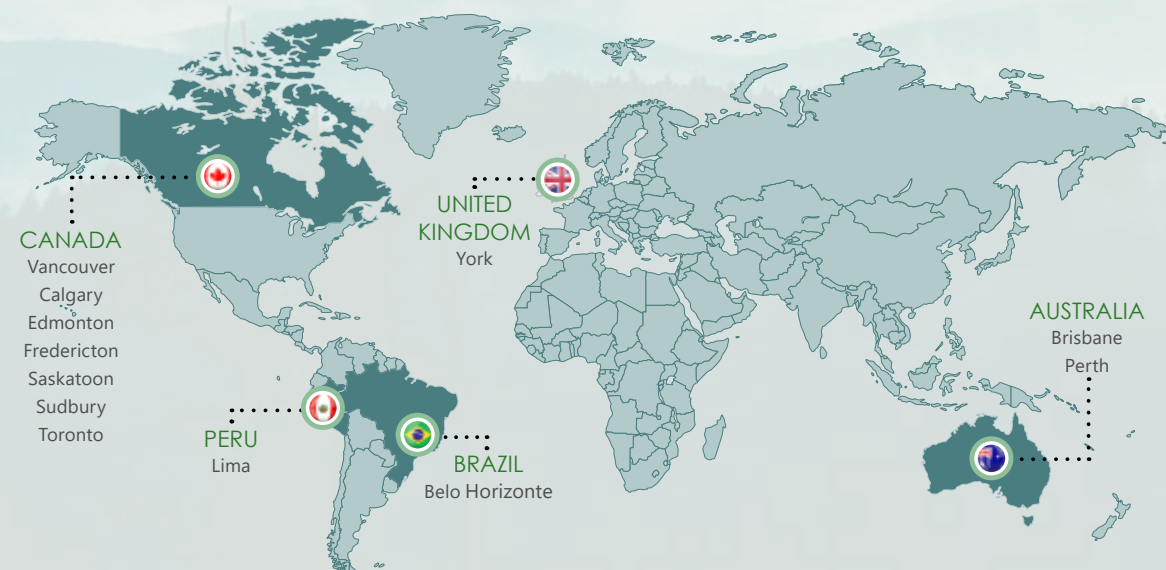


WHERE WE WORK

PROJECT LOCATIONS

AMERICAS	ASIA	EUROPE	AFRICA	AUSTRALASIA
Argentina	China	Andorra	Egypt	Australia
Brazil	Indonesia	Finland	Kenya	Fiji
Canada	Kazakhstan	Netherlands	Madagascar	New Caledonia
Chile	Mongolia	Romania	Mauritania	Papua New Guinea
Colombia	Pakistan	Spain	Saudi Arabia	
Costa Rica	Philippines	Sweden	Uganda	
Ecuador	South Korea	Turkey		
French Guiana	Sri Lanka	United Kingdom		
Guatemala	Thailand			
Panama	Vietnam			
Peru				
USA				
Venezuela				

WE HAVE OFFICES IN STRATEGIC LOCATIONS IN CANADA, AUSTRALIA, PERU, BRAZIL AND THE UNITED KINGDOM.



HOW WE WORK



KCB has a strong reputation for quality work and technical experience in a range of services. Our commitment to excellence is the driving force behind everything we do and, as a result, we are the recipient of multiple national and international awards for major projects and corporate governance. We are committed to sustainability in our business operations and professional services, and we publish our progress in an annual Sustainability Report on www.klohn.com. We strive to balance social, environmental and economic considerations to meet the needs of our clients, the community, our employees and other key stakeholders.

Our business is governed using an integrated management system consisting of quality, health and safety, and environment (QHSE) procedures. Our management system, which meets the requirements of the ISO 9001, ISO 14001 and OHSAS 18001 standards, steers our business conduct and the manner in which we undertake our projects. Our QHSE policy includes our goals of fostering quality services, promoting a safe and healthy culture, reducing our environmental impact and committing to sustainability.

In addition to the ISO and OHSAS standards, we are guided by the frameworks developed by the Global Reporting Initiative, the Institute for Sustainable Infrastructure, the International Council of Mining and Metals, and the Mining Association of Canada's Towards Sustainable Mining, among others.

To meet our clients' requirements for health, safety, and the environment we subscribe to several subcontractor management systems. We are an approved contractor on Avetta, ISNetwork, Contractor Qualification Network, ComplyWorks and BROWZ.

INUVIK, CANADA



BC, CANADA



WESTERN AUSTRALIA



ALBERTA, CANADA



QUEENSLAND, AUSTRALIA



QUEENSLAND, AUSTRALIA



ALBERTA, CANADA

