

KLOHN CRIPPEN BERGER



Engineering, Geoscience & Environmental Services

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Geotechnical Engineering

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OUR OFFICES

KCB SERVICES

- ENGINEERING
- GEOSCIENCE
- ENVIRONMENTAL



KCB HISTORY



- Established for 75 years
- Strong culture of quality, health and safety, community engagement and ethics
- Sustainable solutions for clients
- Energy, hydropower, infrastructure, mining and transportation sectors



OUR KEY MINING EXPERTISE



Mining Phases

- Exploration and Concept
- Pre-feasibility/ Feasibility
- Regulatory Review
- Design and Construction
- Design Safety Reviews/ ITRB
- Operation
- Closure

Expertise

- Tailings Management
- Waste Rock Management
- Rock Mechanics/ Tunneling
- Site Water Management
- Tailings & Water Pipelines & Pumping Systems
- ARD & Geochemical Assessments
- Baseline Studies & EIAs





MAJOR INTERNATIONAL PROJECTS

BC, Canada Projects



TAILINGS EXPERIENCE



LARGE COPPER PROJECTS
OIL SANDS
MASSIVE SULPHIDE AND NICKEL MINES
URANIUM AND RARE EARTH METALS
TAILINGS TECHNOLOGIES

HIDDEN VALLEY MINE, PAPUA NEW GUINEA



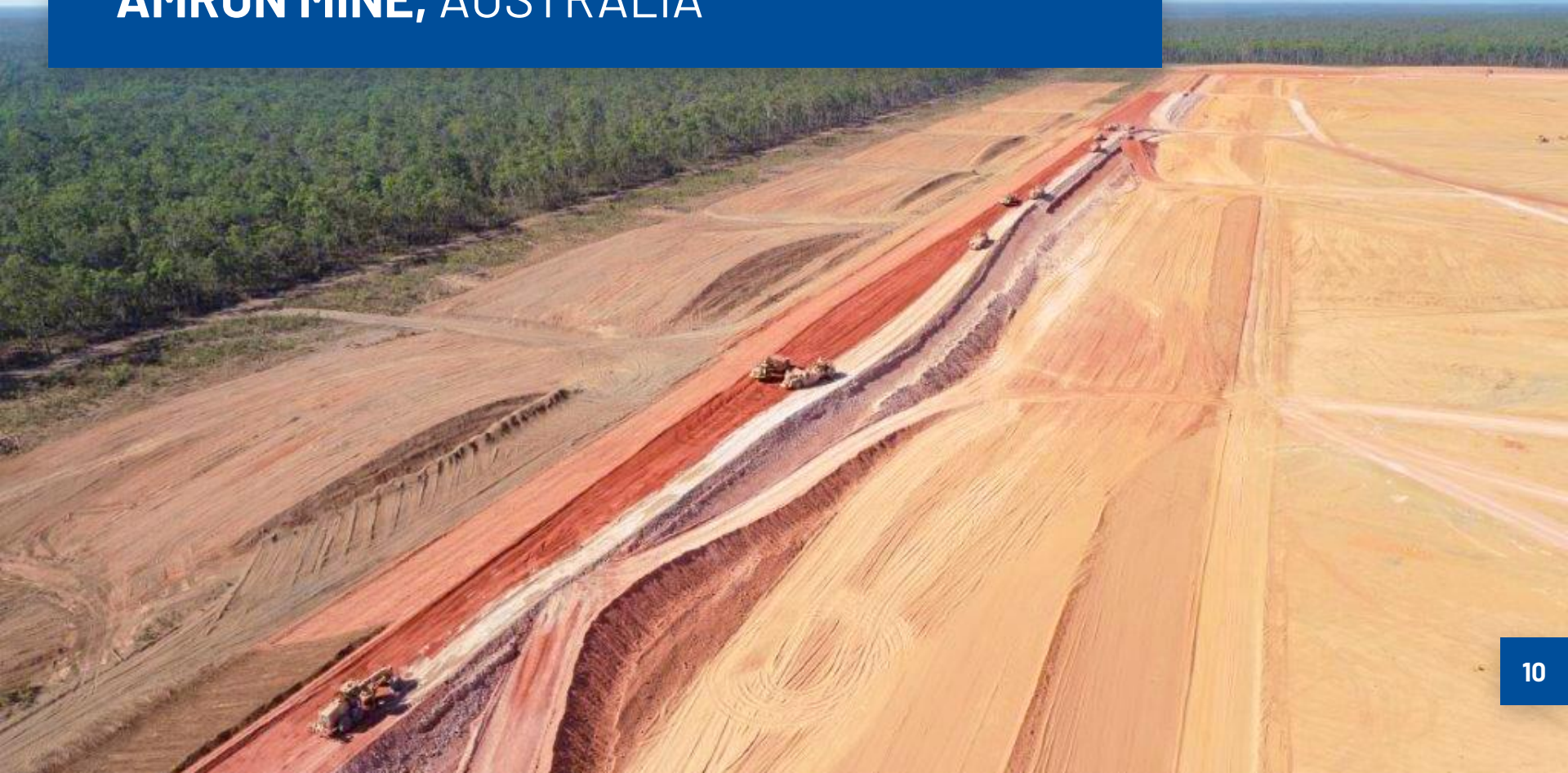
GREENS CREEK MINE, ALASKA, USA



HIGHLAND VALLEY COPPER, CANADA



AMRUN MINE, AUSTRALIA





HYDROPOWER



We have a long history of working on hydroelectric projects across the globe, including the 1,100 MW Site C project in Canada and the 1,074 MW, multi-unit project in Laos.

SITE C, BRITISH COLUMBIA, CANADA



RESEARCH AND DEVELOPMENT



- Geohazard Risk Management
- Residual Tailings Strength
- Mini Calibration Chamber
- Tailings Piping Potential
- Liner research
- ICMM checklist
- Tailings Aging
- Dam Breach Modelling



SUPPORTING UNIVERSITIES



- University of WA (Australian Centre for Geomechanics)
- University of Queensland
- University of Toronto
- Queen's University
- University of Alberta
- Laval University
- University of British Columbia
- UK Space Agency





THANKS!



Platinum
member



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