





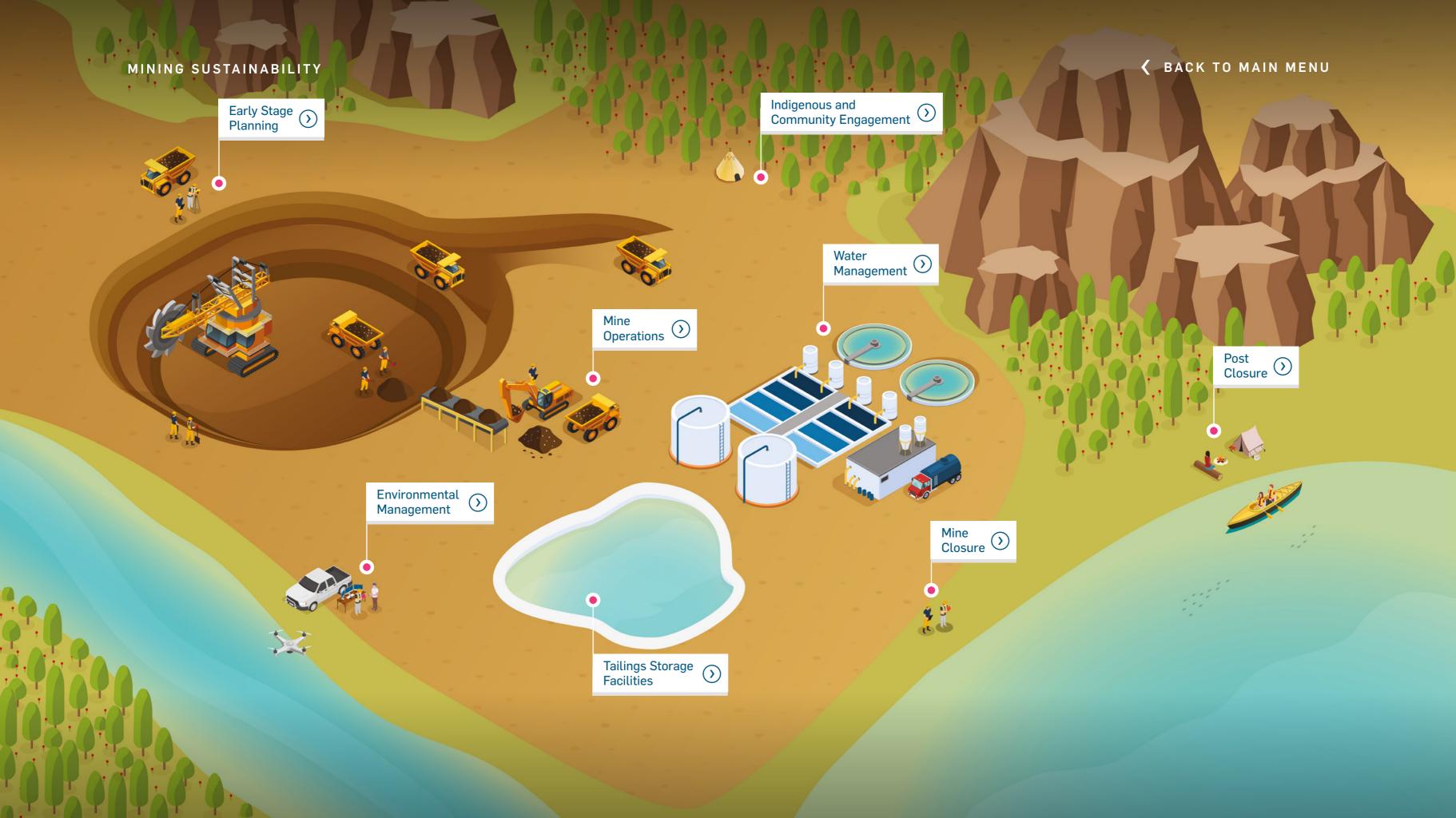
OVERVIEW: MAXIMIZING VALUE ACROSS THE MINING LIFECYCLE

This is an interactive map.

Scroll over the hotspots to read more.







BACK TO OVERVIEW MAP MINING SUSTAINABILITY **EARLY STAGE PLANNING** The affects of climate change and need for social acceptance of mining activities are significant considerations during early stage planning. SNC-Lavalin integrates sustainability principles into its design process at the early stages of a mining project. Designing for closure during the initial planning has benefits for operations, cost optimization, and allows for a progressive closure approach (i.e., close-as-you-go). The timely and early identification of geochemical and physical properties of mining waste with application of suitable long term climatic criteria allows for resilient design, operation, and closure of tailings storage facilities and waste rock piles. This approach minimizes risks of adverse environmental impacts from acid mine drainage, metals leaching, and groundwater contaminants migrating to unwanted receptors. The early development of an effective mining waste management plan that engages the local communities and focuses on effective liability management reduces overall closure costs and minimizes the need for costly long-term water treatment.





TAILINGS STORAGE FACILITIES



WATER MANAGEMENT

The management of mine water resources is a complex field that requires a diversified set of expertise.

SNC-Lavalin brings together world class innovative talent for water management solutions. Our teams include experts in water management, aquatic fisheries, ML/ARD assessments, ground/surface water quality/flow modelling, treatment, hydrology, hydrogeology, geohazards, geochemistry, and plant engineering.

Our innovative solutions comply with our clients' expectations while conforming with applicable regulations.

ENVIRONMENTAL MANAGEMENT

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Environmental strategies that mitigate risks and maximize benefits are key for obtaining social and regulatory project acceptance.

Preserving the natural and built environment is an investment. SNC-Lavalin experts ensure benefits are maximized for our clients and the planet we all share.

Our technical specialists are renowned in the industry and devoted to creating complete, customized solutions for any project and work together with the client to overcome any sustainability challenges.



MINE CLOSURE

Closure of a mining or metallurgical facility of any size is a multi-faceted and complex undertaking requiring diversified expertise.

SNC-Lavalin brings together extensive global experience in the design, implementation, and monitoring of closure plans. We apply a risk-based approach to closure developed with input from the client, Indigenous and local communities, and stakeholders for effectively managing liability, maximizing benefits, minimizing costs, and achieving a sustainable outcome.



POST CLOSURE

Post-closure planning and monitoring is essential to ensure measures were effectively implemented and are performing as intended.

A closed mine site must be robust and safe forever. Effective planning and monitoring of key indicators is necessary to provide high confidence levels of reclamation activities to owners, communities, and regulators.

SNC-Lavalin works with clients, Indigenous communities, and stakeholders long after the remediation work is completed offering support for post-closure monitoring, technical assistance, regulatory support, engineering, and field services with necessary consideration for land uses and long term benefits.



BACK TO MAIN MENU

SNC-LAVALIN

PEOPLE. DRIVE. RESULTS.

We're connecting people, technology and data to meet today's most pressing challenges.

SNC-LAVALIN VISION

We create sustainable solutions that connect people, data, and technology to design, deliver and operate the most complex projects.



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