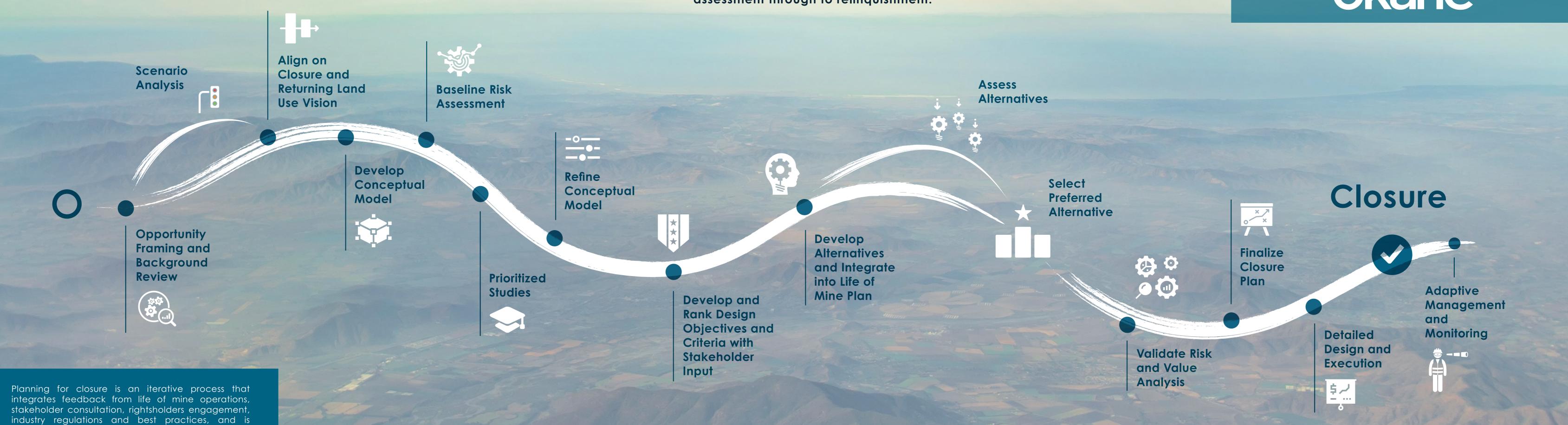
## Okane's Roadmap to Closure



informed throughout the life of asset by learnings gained through progressive closure.

#### **Closure Vision and** Stakeholder Engagement

- Conceptual Closure, Reclamation and Rehabilitation Plans
- Closure Vision Collaboration
- Closure Success Criteria
- Community Engagement
- Returning Land Use Objectives and Planning
- Permitting and Regulatory Approvals
- Subject Matter Expert Reviews (Stakeholders and Rightsholders)

#### Integrated Life of Mine Planning: **Tailings and Mine Rock**

- Strategic and Tactical Mine Planning and Scheduling
- Equipment Optimization and Planning for Autonomous Operations
- Geotechnical Assessment and Monitoring
- Dam Safety Inspection and Reviews
- Tailings Characterization and Closure Strategies
- Mine Rock (Waste Rock) Characterization and Pile Design

#### **Closure Plans**, Detailed Design and Construction Support

- Detailed Closure Plans
- Closure Cost Estimates
- Cover System and Landform Design
- Landform Evolution Modelling
- Borrow Material Characterization and Management Plans
- Construction Specifications and QA/QC

Okane champions the integration of mine closure into mine plans continuing through all phases of mining projects to maximize asset value while achieving positive environmental and social outcomes. Our solutions demonstrate a clear closure roadmap from feasibility assessment through to relinquishment.

#### Adaptive Management and Strategic Risk Assessment

- Trigger and Action Response Plans
- Adaptive Management Plans
- Failure Modes and Effects Analysis (FMEA)
- Cost-Benefit Analysis (CBA) and Value Driver Tree Analysis (VDT)
- Multiple Accounts Analysis (MAA) and Multi-Criteria Analysis (MCA)

#### **Env**ironmental Geochemistry

- Acid Rock and Metalliferous Drainage Management
- Material Characterization
- Suboxic Conditions Analysis
- Kinetic Testing and Advanced Customizable Leach Columns
- Source Term, Solute Transport, Water Quality Modelling
- Laboratory Services Management

#### Water **Stewardship**

- Climate Change Scenario Modelling
- Integrated Surface Water and Groundwater Modelling
- Pit Lake Management
- Surface Water Management
- Water Quality Monitoring



- Hydrology and Hydrogeology

#### **Rehabilitation and** Reclamation

- Ecological Completion Criteria
- Revegetation Planning • Vegetation and Wetland
- Monitoring and Assessment • Flora and Fauna Survey and Reporting
- Soil Management and Remediation

**Environmental Monitoring and** Advanced Data Management

- Design and Installation of Field Trials and Automated Monitoring Systems
- Instrumentation Procurement and Calibration
- Advanced Data Management and Interpretation



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