



Integrated Mine Closure Training Course



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Introduction:

This Integrated Mine Closure training course provides participants with a deep understanding of the processes, strategies, and multi-disciplinary considerations required to achieve responsible mine closure. It explores the business case behind mine closure, considering economic, environmental, and community dimensions to support long-term sustainability. Participants will examine how integrated planning aligns mine life, closure planning, and post-closure objectives.

The Integrated Mine Closure program highlights the importance of stakeholder engagement and responsible social transition practices. The training emphasizes risk assessment, closure costs, and opportunities for adaptive planning. Participants will understand how to implement closure plans that meet regulatory, environmental, and community expectations while ensuring long-term land reuse success.

Targeted Groups:

This Integrated Mine Closure course targets professionals seeking specialized knowledge and skills:

- Environmental managers leading closure programs.
- Mining engineers are involved in mine lifecycle planning.
- Sustainability and ESG professionals.
- Government regulators and compliance officers.
- Community relations and social performance teams.
- Project managers supporting mine decommissioning.
- Consultants working in mine closure, rehabilitation, and transition.
- Health, safety, and risk professionals are assisting with closure assessments.

Course Objectives:

Participants will achieve the following objectives by completing the Integrated Mine Closure course:

- Gain a full understanding of integrated mine closure principles.
- Recognize business case drivers and challenges in closure planning.
- Understand environmental and socio-economic knowledge bases.
- Apply internal and external requirements to closure frameworks.
- Strengthen stakeholder engagement approaches and governance structures.
- Connect life-of-mine planning with closure maturity assessment.
- Evaluate domain-based closure activities and design criteria.
- Conduct closure risk assessment and opportunity analysis.
- Develop accurate closure liability and cost estimates.
- Build an integrated closure plan that aligns technical and social elements.
- Examine execution processes from ICP to PFS/FS.
- Incorporate progressive rehabilitation and field trials.
- Apply practical execution plans, including decommissioning methods.
- Implement success criteria, monitoring, and reporting systems.
- Plan for relinquishment and alternative land-use outcomes.

Targeted Competencies:

Participants will gain the following competencies during the Integrated Mine Closure program:

- Ability to assess integrated mine closure challenges.
- Skill in evaluating environmental and socio-economic data.
- Competency in stakeholder engagement and governance mapping.
- Understanding of life-of-mine closure integration.
- Ability to analyze closure risks and opportunities.
- Capability to estimate closure costs and liabilities.
- Expertise in designing integrated closure plans.
- Practical understanding of execution and rehabilitation phases.
- Ability to define and measure success criteria.
- Competence in using reporting and monitoring tools.
- Insight into relinquishment planning and decision-making.

Studying Scenarios:

In this Integrated Mine Closure training, participants will develop their skills through the analysis of the following scenarios:

- Evaluating closure challenges in a multi-stakeholder mining region.
- Designing stakeholder engagement plans for complex social contexts.
- Assessing closure cost variations based on risk and maturity.
- Identifying opportunities for land reuse after mining.
- Reviewing progressive rehabilitation outcomes.
- Planning demolition and decommissioning tasks effectively.
- Applying success criteria to long-term monitoring systems.

Course Content:

Unit 1: Introduction to IMC:

- Integrated Mine Closure Framework and Strategic Foundations.
- Business case and challenges.
- Knowledge base environmental and socio-economic.
- Internal and external requirements.
- Closure vision, land uses, and objectives.

Unit 2: Social Transition:

- Stakeholder Engagement and Social Legacy Planning.
- Identifying stakeholders.
- Stakeholder engagement plan.
- Social investment and positive legacy.
- Governance.

Unit 3: Integrated Planning:

- Mine Lifecycle Integration and Closure Design.
- Life of mine plans.
- Maturity assessment across the LoM.
- Domain-based closure activities.
- Design criteria.

Unit 4: Risk/Opportunity and Closure Planning:

- Risk Assessment, Opportunity Mapping, and Closure Costing.
- Closure risk assessment.
- Opportunity analysis.
- Closure liability and cost estimates.
- Integrated closure plan.

Unit 5: Closure Execution:

- Implementation, Rehabilitation, and Decommissioning.
- ICP to PFS/FS.
- Progressive rehabilitation/trials.
- Execution plans.
- Demolition and decommissioning.

Unit 6: Success Criteria, Monitoring & Relinquishment Objectives:

- Monitoring, Evaluation, Technology Tools, and Land Transition.
- Success criteria.
- Maintenance and management.
- Reporting and technology platforms.
- Relinquishment or alternative.

Final Insights & Key Takeaways:

Effective integrated mine closure requires long-term planning, strong stakeholder alignment, and well-coordinated technical execution to achieve post-mining land value. Ensuring sustainability, social continuity, and regulatory compliance enhances the legacy and environmental performance of mining operations.