
Senior Engineer

Expertise Project Management, Underground Mining, Mining Operations, Mine Design, Mine Systems, Drill and Blast Design and Performance Monitoring, Mine Closure and Stability Analysis

Education B.Eng. (Mining), 2009
Laurentian University, Sudbury, Ontario, Canada

Registration Registered Professional Engineer, Ontario

Professional Experience

2021 – Present	Itasca Consulting Canada, Inc., Sudbury, Ontario, Canada Senior Consulting Engineer/Project Manager
2019 – 2021	Glencore – Sudbury Integrated Nickel Operations Nickel Rim South Mine – Senior Engineer/Engineering Lead Mine Design, Planning and Scheduling, Drill and Blast
2018 – 2019	Glencore – Sudbury Integrated Nickel Operations Nickel Rim South Mine – Mine Systems Engineer
2015 – 2018	Glencore – Sudbury Integrated Nickel Operations Fraser Mine – Mine Planning Lead, Copper Zone
2014 – 2015	KGHM International Craig Mine/Morrison Deposit – Mine Backfill Engineer
2013 – 2014	KGHM International Craig Mine/Morrison Deposit – Underground Mine Supervisor
2013	KGHM International Craig Mine/Morrison Deposit – Mine Planning, Narrow Vein Drill and Blast
2012 – 2013	KGHM International Podolsky Mine – Underground Operations
2010 - 2012	KGHM International Podolsky Mine – Drill and Blast Design, Contract Management

Project Experience

Engineering Consulting:

Provide project management as well as mining engineering analysis and design services for active mining operations as well for scoping, prefeasibility, feasibility level mine studies. Experienced in drill and blast design, optimization and performance monitoring, mine closure, stability assessments and deep mining studies such as Glencore's Kidd Mine 5 and Nickel Rim South Extension as well as Vale's Creighton Phase 5 assessment. Use of numerical modelling analysis to inform decision making and generate practical geomechanics solutions.

Mine Operations:

Engineering management experience with the demonstrated the ability to break down barriers between departments and build an environment that integrates the engineering group into an operations team which encourages creativity and solution generation required in complex and late-stage mining environments. Possess a strong background in both bulk mining and narrow vein operations as the process owner for all mine systems, design, planning and scheduling activities with experience in the evaluation and feasibility of new mining zones including the development of mine extraction sequences, long range and life of mine plans, annual reserves and cut-off grades, annual budget preparation, mining method review/selection, annual cash-flow analysis, and compliance to regulatory standards to ensure safe and economic orebody extraction.

Experienced in drill and blast design and optimization to maximize recovery, reduce costs and manage high stress environments. Involved with leading innovation through the use of new technologies (i.e., wireless detonators, autonomous mucking and ventilation on demand technology) to transform historical mining practices to promote efficiency and ensure future sustainability.