

FREDDY INOSTROZA VERA

Mining Engineer

freddy.inostroza@gmail.com

+57 305 767 4173 ; +57 (1) 274 8854

Calle 127 D # 46-48, Bogotá, Colombia

HIGHLIGHTS OF PROFESSIONAL STRENGTHS

Underground Mining Experience in Horizontal and Vertical Development. I have strong analytical, research, and problem solving skills that I have used to develop a broad range of experiences in mining and civil projects such as developing ramps, conveyor tunnels, ore bins, bulk caverns and chamber excavation. I actively participated in all aspects of mining development from brainstorming methodology, preparing a budget; all the way to starting the development, tracking costs, updating the schedule and tracking other vital statistics. In addition to the underground experience I have participated in operations in surface, building an open crusher to ore passes in an ore system transfer. Advanced level of English mining acquired through practice working on projects with English speakers.

My other areas of experience include:

- Blasting plans and systems for the surface and underground development.
- Computerized Drilling Programs such as Sandvik's TCAD program.
- Familiar with many different types of ground support methods.
- Knowledgeable with Mechanized Raise Climbers, Raiseboring, and conventional raising and sinking.
- Understand the methods to select the proper mining equipment for development.
- Fluent in the following computer programs: MS Office Programs, Microsoft Projects, Hard Dollar, AutoCAD, and TCAD.

PROFESSIONAL EXPERIENCE (2009 to 2015)

BLASTING ENGINEER Apr. 2014 – Jan. 2015

STRABAG SPA – CHILE – SOUTH AMERICA

PROYECTO HIDROELECTRICO ALTO MAIPO – AES GENER – CHILE

- I worked with my blasting license given by the government as a "calculista" for the project
- Coordinate work with subcontractors in all related with explosives
- Estimate the quantity for explosives and accessories for tunnel development
- Design drilling patterns and blasting sequence for different sections of tunnel
- Work in procedures and methodology in all aspects relating to blasting and explosives complying with national regulations
- Prepare and train personnel in the use of bulk emulsion explosive
- Control the explosives at the magazine
- Elaborate all blasting documentation to get explosives at the face

RAISE BORE SUPERVISOR Dic. 2013 – Mar 2014

REDPATH CHILENA CONSTRUCCIONES – CHILE – SOUTH AMERICA

EL TENIENTE MINE – NUEVO NIVEL MINA TTE 7 - CODELCO – CHILE

MINA LOS PELAMBRES – TRANQUE EL MAURO – ANTOFAGASTA MINERALS - CHILE

- Supervise the construction of chimneys by Raise Bore machining method.
- Coordinate client communications
- Support for Machine Operator Raise Bore regard to reportability.
- Assessment procedures and methodologies.
- Safety inspections conform to personalized security plan monthly
- Engineering support for different task related with the mechanized method for excavation

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SENIOR PROJECT ENGINEER Dec. 2012 – Nov.2013

REDPATH SOUTHAMERICA – CHILE – ARGENTINA

PASCUA LAMA MINE – TUNNEL CONVEYOR DEVELOPMENT - BARRICK ARGENTINA - ARGENTINA

- Organize, plan, direct and control technical office (survey, quality and engineering).
- Supervise the construction stage in engineering terms for an ore handling project.
- Communications with the client.
- Coaching work team in mining stuffs acquired from other projects, such as ventilation, mining services, equipment, etc.
- Planning and reports elaboration.
- Recruited manpower for all disciplines.

PROJECT ENGINEER Apr. 2011 – Dec. 2012

REDPATH CHILENA CONSTRUCCIONES – CHILE – SOUTH AMERICA

PASCUA LAMA MINE – ORE HANDLING SYSTEM DEVELOPMENT - BARRICK CHILE - CHILE

- Began the mobilization plan to initiate the work
- Supervise the manpower/man-hours within the project schedule and clients requirements
- Technical resource for supervisors and operators during daily operations.
- Short term planning / Long term planning
- Cycle study for different phases of the project
- Prepare and coordinate drawings, details and specifications for general site setup, ground support, blasting design, sequence of excavations and mining services.
- Coordinated surface and underground surveys, geotechnical and rock mechanical reports and information.
- Close Support in QA and QC procedures during construction.
- Analyzing and developing risk assessments, applicable reports, drawings, technical specifications, tests, design basis and related documentation. Prepare procedures.
- Actively involved in developing plans, designs, and calculations using engineering principles in accordance with established codes, standards, drawings, and specifications.
- Inspection and assessments of underground structures.
- Inspection and assessments of shaft structures such as Head-frames, Bin caps, Galloway platform.
- Purchasing of consumables: Drilling supplies, explosives and accessories, ventilation, ground support, plumbing and miscellaneous.
- Work for shaft construction and excavations to install a crusher in the box excavation.

PROJECT ENGINEER Oct. 2010 – Apr. 2011

REDPATH CARTELLONE – SAN JUAN – ARGENTINA – SOUTH AMERICA

PASCUA LAMA MINE – TUNNEL CONVEYOR DEVELOPMENT - BARRICK ARGENTINA - ARGENTINA

- Lead mobilization for site setup at Lama side (Argentina).
- Began the materials and consumables purchases to start the project.
- Estimated consumables for the entire project (explosives, ground support elements, drill steel, vent ducting, piping, shotcrete, tires, lubes, diesel).
- Feasibility Study for pumping and draining water from the tunnel.
- Planning and reports elaboration.
- Recruited manpower for all disciplines.
- Reported periodically to the Operations Superintendent and the client.

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Jr. PROJECT ENGINEER Nov. 2009 – Oct. 2010

REDPATH CHILENA CONSTRUCCIONES – CHILE – SOUTH AMERICA

PASCUA LAMA MINE – ORE HANDLING SYSTEM DEVELOPMENT - BARRICK CHILE - CHILE

- Tracked man-hours for the project schedule and clients requirements.
- Project scheduling, maintenance/ production/ engineering, coordination, field decisions, adherence to time & budget constraints, & reporting of project status as well as troubleshoot operational/process issues.
- Quality deliverables and interdisciplinary check in accordance of the schedule.
- Evaluated requirements procured and monitored all project supplies
- Planning, execution, monitoring, control for the project
- Look ahead for consumables, supplies and equipment
- Elaborate report formats
- Purchasing, Consumables and Equipment plan
- Check cost code structure for the project and assign the correct code for purchasing according to the budget
- Work in UG in tunnel and caverns

USA , CANADA EXPERIENCE

CONTRACTOR May. 2015 – Oct. 2015

IMPACT-XM – OAKVILLE – TORONTO - CANADA

- I worked as a contractor for a marketing agency during my trip to Canada as part of my experience in that country.

LABORER Dec. 2009 – Apr. 2010

RESORT AT SQUAW CREEK – SQUAW VALLEY – LAKE TAHOE – CALIFORNIA - USA

- Worked in a ski resort in the winter season with a J1 visa, the program was created for young students to work and learn the American culture, specifically the language at USA.
- Gained valuable experience doing manual labor, improved my English and learned about the American culture.

EDUCATION AND TRAINING

- **Mining Engineering**, University of Santiago USACH, Chile, (2009).

REFERENCES

- Chris Hickey, Senior Director Underground Project, Goldcorp Inc; USA; +1(775)848-9410
- Alex Broili, Engineering Superintendent for Cementation UTAH, USA; +013852181595; <ambroili@gmail.com>
- Mauricio Carrillo, Vice-President Project Development Continental Gold, Colombia; <flmauricio@yahoo.com>
- Pablo Sepulveda, Engineering Projects Estimator for Cementation, Chile; +56956075369; <pabsepul@gmail.com>