



Mohamed Nabil Abdelhafiz Genidi

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Summary

Results-driven and highly skilled Senior Blasting Engineer with over 7 years of hands-on experience in mining, quarrying, and construction, specializing in tunneling and open excavation projects. Proven expertise in designing and executing safe, efficient, and cost-effective blasting operations while ensuring compliance with industry regulations and environmental standards. Adept at managing blasting teams, optimizing operational workflows, and mitigating risks to enhance productivity and safety. Seeking to leverage technical proficiency and leadership abilities to contribute to the success of challenging projects.

Key Skills

Technical Skills

- Drill & Blast Design (Tunnel and Surface Operations)
- Controlled Blasting, Pre-Splitting & Trim Blasting
- Blast Performance Monitoring & Optimization
- Explosives Handling, Storage & Safety Compliance
- Initiation Systems (Nonel, Electronic Detonators, Shock Tube Systems)
- Vibration, Fly rock & Airblaster Control
- Fragmentation Analysis & Improvement
- Blast Timing & Pattern Design
- Seismograph Use & Blast Impact Analysis
- Shot Plus & Blast Plan Software (Advanced User)
- Drill Supervision & Coordination
- Regulatory Compliance (Mine Safety and Environmental Standards)

Soft Skills

- Leadership & Team Management (Crew Supervision & Training)
- Strong Communication & Technical Reporting
- Decision-Making in High-Risk Environments
- Problem-Solving & Troubleshooting
- Project Planning, Scheduling & Coordination
- High Attention to Safety & Detail
- Cross-Functional Teamwork with Drilling, Survey, and Geology Departments
- Client and Regulatory Liaison
- Mentoring Junior Engineers and Shotfirers
- Adaptability in Challenging & Remote Work Environments

Career history

Company: Alayuni Limak Contracting Company

Dec 2023- Jul 2025

Position: Senior Blasting Engineer

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- Lead the design, planning, and execution of blasting operations for tunneling and open excavation projects, ensuring optimal safety, efficiency, and precision.
- Ensure full compliance with local, regional, and international regulatory standards, including safety, environmental, and explosive handling regulations.
- Manage the procurement, storage, handling, and inventory of explosives, ensuring strict adherence to safety protocols.
- Supervise and mentor blasting teams, providing technical guidance, conducting safety training, and ensuring adherence to safety best practices.
- Conduct comprehensive risk assessments and implement proactive mitigation strategies to minimize hazards and optimize blasting performance.
- Maintain detailed and accurate records of all blasting activities, including design, execution, safety checks, and compliance reporting.
- Collaborate with project management and engineering teams to integrate blasting operations seamlessly into overall project schedules and deliverables.
- Oversee environmental impact monitoring, ensuring the reduction of vibration, noise, and dust through effective control measures.
- Conduct post-blast evaluations to assess effectiveness, identify areas for improvement, and implement corrective actions to enhance future blasting operations.

Company: Capital limited

Feb 2021 – Dec 2023

Position: Blasting Team Leader

Sukari Gold Mine -Egypt

- Prestart meetings, preparing the crew for the tasks of that day.
- Obtaining and interpreting the blast plans – sometimes multiple shots are being loaded or are at various stages of preparation and loading.
- QA/QC all blast holes prior to loading, ensuring standards are met and redrills are being completed to standard.
- Retrieving explosives from the magazine and allocation to the required shots to be loaded.
- Organizing bulk deliveries to site and again to the blast pattern to load.
- Overseeing and ensuring all blast holes are loaded correctly, with the correct type of explosives and charge weights.
- All holes are stemmed in surface, so ensuring the right amounts and quality of stemming material and assets are available to complete this task is a must.
- Ensuring that all holes are tied in as per the blast plan tie-in design.
- Understanding the blast schedule to ensure all tasks are done to standard within the specified or scheduled time frames.

- Clearing the area prior to blasting to ensure no personnel or equipment is within the blasting zone and securing this area during blasting.
- Firing the shot, on time, without any safety issues.
- Clearing the shot after the blast to ensure all explosives have fired as intended and that the designed results have been achieved.
- Completing all paperwork associated with the use of every explosive consumed in the blast with respect to legislative requirements, and with respect to the designed blast.
- Preparing for the next sequence of QA/QC, loading, and firing.
- Training junior staff, ensuring all staff under their direction are safe and working to a safe standard, all equipment is safe and operating to standard and ensuring all explosive articles are to specification and replenishment stocks are ordered and scheduled for delivery.

Company: Heliopolis Company for Chemical Industries (81 Military factory).

Jan 2019-Feb 2021

Position: Blasting Engineer

- Choose the appropriate area for the explosion.
- Calculate the number of holes, hole Diameter, spacing, Burden and hole angle.
- Calculate the quantity of explosives required to achieve the highest economic value of the Blasting.
- Ensure after the end of the Blasting that the operation was carried out efficiently and under the highest levels of safety and that the place is ready for mining.
- Provide the necessary daily, weekly, and monthly reports for all works carried out whether mining or Blasting.
- Evaluate the Blasting process and compare the results to reach the optimal method for the next.
- Ensure fragmentation of blast optimizes downstream processes, e.g., mill throughput and productivity of diggers.
- Providing explosive materials and technical support for cement quarries.

Education

- B.Sc. Mining and Metallurgy Engineering-Mining &Petroleum Engineering Department 2013-Jul 2018
-Al-Azhar University (Grade: Good 70 %).
- Graduation project: Processing of Egyptian black sands (Grade: Excellent).
- Mine Surveying Project at (Zog El-bohar phosphate mine in the Red sea Governate). August 2017
- Al-Azhar Secondary School (Grade: Excellent 96.5%). 2010-2013

Courses and Certificates

- Training of Underground Drilling – Bin Shehab Epiroc Partner. Jan 2024
- Underground Blasting – Austin Powder. Jan 2024
- Design Blasts – Blast Management International. June 2023
- Surface Shotfirer – Blast Management International. June 2023
- Ferrous Technology (online course offered by Georgia institute of technology). Sep 2018
- Material Behavior (online course offered by Georgia institute of technology). June 2017
- Material Processing (online course offered by Georgia institute of technology). June 2017
- ASME Package (ASME II, ASME V, ASME IX) & QC Training and development course April 2017
- Mining engineering (online course offered by University of Newcastle Australia). April 2016

Internship Experience

- Trainee at **Ezz Flat Steel company** Jul 2017
training program in steel making processes included (material handling, DRI plant, melt shop continuous casting, rolling mill, quality control).
- Trainee at **63 Factory (Helwan Company For non-ferrous metals)**. Aug 2016
copper alloys and aluminum alloys products, casting processes, hot rolling, cold rolling, extrusion, metallography, quality control and quality assurance
- Trainee at **El-Sewedy electric company** Jul 2016
training in the united company for metals included copper rod manufacturing processes
- Trainee at **El-Nasr Mining Company** June 2016
training included surface mining operation and processing of phosphate ore (open cut mining, burden removal, crushing and conveying)
- Trainee at **Agiba petroleum company (Maliha fields)**. Sep 2017
Material selection, welding processes, NDT inspection and QA/QC

Personal Information

- Nationality: Egyptian
- Marital Status: Married
- **Languages:** Arabic (Native), English (Professional)
- Driving License: Valid Saudi Arabia & Egypt Licenses
- Current Location: Tabuk, Saudi Arabia
- Willing to Relocate: Yes
- Availability: Immediately