

Mohamed Salah Alansary

Petroleum & Mining Engineer



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Profile

Enthusiastic & experienced Mining Engineer at Centamin Egypt/Pharaoh Gold Mines (Sukari Hill Gold Mine), Working with specialist software's to support Short Term Planning, Scheduling programs, Geology modeling & Designing potential mine sites, establishing extraction systems for Pit mine, reclaiming parts of mine sites, preparing Short term plans for the Drilling & Blasting with taking all Safety percussion, Cost studies, Estimation & Forecasts. Deals with Different Geological Rock Properties, Geotechnical & Geophysics technics...Etc.

About Me

Date of Birth: March 10, 1995

Gender: Male

Nationality: Bahraini.

Marital status: Married

Military Status: Exemption

LinkedIn:

<https://www.linkedin.com/in/mohammedsalahalansary>

Career Objective

I aspire for an opportunity in a Dynamic working environment to develop my skills and gaining more experience. A company that provides a stable and challenging work environment that allows employees to be creative to gain hands-on experience for long-term career advancements.

Academic Background

Bachelor of Petroleum and Mining Engineering,

Suez University, Suez, Egypt, 2018

Major: Mining Engineering

Degree: Graduated

Overall Grade: Good

Graduation Project: Abu Tartour Phosphate mine data analysis.

Graduation Project Grade: Very good

Languages

Arabic Native

English Very Good

Interests



Software Skills



Skills

Mine, Drill & Blast Planning

Leadership & Self-reliant nature

Team Building & Team Motivation

Time management & planning

Deadline Management

Health & Safety Compliance

Analytical problem-solving

Communication & Presentation

Experiences

[03-2020 to Present]

Mining Engineer at Centamin Egypt/Pharaoh Gold Mines (Sukari Hill Gold Mine).



- Mining[Planning] Engineer:

- Short Term plan [Daily to Weekly Plan].
- Defining the strategy of mining operations on daily basics (Grade control drilling , Drill & blast , Load & Haul)
- Plan for projects (TSF, Leach pad ... etc.)
- Coordinate with load & haul and open pit coordinators to ensure maximum utilization of digging units & dump trucks.
- Coordinate with Project supervisor to see the progress of projects.
- Daily supervision on the field to make sure of digging units ' bench-setup & productivity , shortest haulage cycles for all trucks , waste dumps conditions , haul road conditions , mechanical problems facing production and ancillary equipment to discuss it with heavy mobile equipment maintenance superintendent .
- Manage & calculate the haul cycle for dump trucks to ensure the best way to use.
- Ongoing field inspection & discussion to production manager.
- Working closely with seniors engineers in day to day activities.
- Time in motion study [Shovel & Trucks]
- Producing fortnight bast plans & coordinating with production & surveyors teams.
- Producing operational ramp designs with basics for dump designs.
- Producing (Weekly to Monthly) reconciliation reports to managements.

- Drill & Blast Engineer:

- Short Term Drill & Blast Plan (Blasting & Drilling Sequence).
- Create Blast Designs Patterns & Designs that Targeting the UG Voids, Drives & CMS of Underground to meet our schedule targets.
- Calculating the Blasting Stocks with Short term Blast Map.
- Design for the Blast Master which serves our Monthly Forecast & Budget.
- Short Term Plan for the Drill & Blast Forecast.
- Create Short Term (Weekly, Monthly) Drilling Sequence for our Drilling fleet.
- Basics of (3+9) Drilling & Blasting Plan
- Drill & Blast Team leader & I am also responsible for creating and building a full team of Drilling & blasting engineers at current Company.
- Designed & implement new professional drilling programs and monitored and analyzed the performance of the programs to identify potential areas for improvements
- Provide the Production & Planning engineers with the optimum Blast parameters that need to be modified to meet the targets of digging units' productivity.
- Short Term QA/QC for Blast Designs patterns to identify the problems that affect the production & find out the best way to avoid them.
- Responsible for the blasting evacuation plan.
- Deals with the Geology & Geotech team to identify the Geological structures & rocks properties to reach a point of agreement that serves the plan.
- Coordinated meeting with internal teams, Blasting external consultants, Blasting & Drilling contractors & vendors to complete the projects.
- Coordinated with Drill & Blast coordinator & superintendent to ensure maximum utilization of production drilling Fleet (Drill rigs).
- Daily inspection of blasted patterns to ensure the fragmentation to meet digging unites rates and process plant crushing circuits.
- Making cost studies for blasting operations with different parameters to meet budget cost and operations inquires.
- Monitor & calculate the peak particle velocity (PPV) to ensure the stability & safe environments of the open pit blasting, which is related to underground activities. Also calculate the Velocity of detonation (VOD).
- Blast Designs Tie-Up using Blast Plan Software.
- QA-QC for the Explosive consumption.

[06-2019 to 03-2020]

Open Pit Operation Engineer at Centamin Egypt/Pharaoh Gold Mines (Sukari Hill Gold Mine). 

- **Operation & Dispatch Engineer:**

- Prepared & presented production analysis to aid in strategic business decision.
- Evaluated Mining operations & developed solution to improve productivity.
- Reviewed analyzed & evaluated proposed & active mining projects and advised mine operations on changes.
- Developed specification for mining equipment to maintain proper functionality.
- Created & Improved technical reports to drive projects implementation and operation.
- Accurately documented projects hours & expenses in details.
- Coordinated meeting with internal teams, external consultants, contractors & vendors to complete the project.
- Manage the whole fleet from the control room (Dispatch) & follow-up the Daily plan at the field.
- organizing work between all departments at the site (Drill & blast , load & haul , crusher feeding rate , Grade control & Geo-tech team , maintenance... etc.)
- Coordinate with load & haul and open pit coordinators to ensure maximum utilization of digging units & dump trucks.
- Coordinate with Load & Haul operators at pre-start meeting with the daily target to reach for it at end of shift with commitment by safety rules.
- Coordinate with Project supervisor to see the progress of projects.
- Solve all obstacles that occur throughout the day, including mechanical, planning & technical issue, to ensure continuity of production.
- Deals with all Heavy Equipment models
 - Dump Trucks (CAT 785 , CAT 775)
 - Diggers & Shovels (CAT 6040 shovel , Terex RH120 E , CAT 6040 Backhoe)
 - Dozers (D10 , D11) ,
 - Grader (CAT 140M)
 - Water Truck (CAT 775)
 - Have License of (CAT 785).

Training

[6-2022]

Petroleum Geology – TU Delft [sustaining member of Open Education Global]



- Introduction of Petroleum Geology
- Carbon Cycle, Organic Matters & maturation.
- Composition of Oil & Gas
- Migration from Source to reservoir
- Reservoir rock Properties.
- Trapping
- Basin Type & their exploration & Production

[5-2022]

Oil & Gas Industry Operations and Markets [Technology] – Duke University



- **Exploration**
 - Oil & Gas Sources
 - The Hydrocarbons system
 - Factors to Make a Good Reservoir Rock
 - Exploration tools & methods
 - Acquiring Minerals Right
 - Drilling Process
 - Oil & Gas Exploration
- **Production** [Production over Time , Enhancing Oil & Gas Production]
- **Processing & Refining** [Processing Natural Gas , Crude Oil Distillation , Additional refining Process]
- **Transport** [Oil Midstream , Natural Gas Midstream , Liquefied Natural Gas ,Transport]

[3-2022]

Essentials of Geophysics - Massachusetts Institute of Technology



- The Earth in the Solar System
- The Earth's Gravitational Field
- The Magnetic Field of the Earth
- Seismology
- Geodynamics

[10-2021]

Maxam Products Identification – Centamin



- Identification of Maxam Products.
- Blasting Solutions
- Improve safety & environmental impact.
- Optimize rock fragmentation
- Control wall stability
- Reduction of Fumes
- Dilution control at a gold mine

[09-2021]

GEOVIA Surpac & MineSched – Centamin



- Comprehensive tools include drill hole data management, geological modeling, block modeling, geostatistics, mine design, mine planning, resource estimation,
- Modular and easily customized to adapt to changing needs
- Integrated production scheduling with GEOVIA MineSched™.

[07-2017]

Trainee Project Surveyor – Suez University

- Deals with different survey equipment (theodolite, total station ... etc.).
- Pick up all the facilities points for the university.
- Draw the full detailed map for the university, using our pick up data.



[09- 2016]

Mining Engineer trainee – Centamin Egypt/Pharaoh Gold Mines (Sukari Hill Gold Mine)



- Training on the basics of the blasting, with doing some field works such as (charging boreholes, recognition on the tie-up methods with recognition on the features of the MMU vehicles.
- Trained with the survey technician & learned how to deal with GPS equipment & other equipment such as (3D Scanner, total station, etc.) .
- Trained with the mining operators & deals with the excavators, Shovels & Dump truck with different models.
- We took an overview for the grade control & drilling rigs.

[08-2016]

Trainee Project Engineer– Egyptian Mineral resources Authority



- Took as overview about the required procedures to obtain official documents for quarries & mines.
- Identified on the Egyptian mining map with locations of the mining sites.
- Take an overview about the cost estimation for the mines & quarries.

Certificates

Courses

- GEOVIA Surpac
- GEOVIA Mine shield
- Technical open pit Blasting
- Petroleum Geology
- Occupational Health and safety (OSHA)
- Non Destructive Testing (NDT)
- Mini MBA
- Social Media Marketing

- GEOVIA Surpac
- Basics of GEOVIA Mine shield
- Petroleum Geology
- Essentials of Geophysics
- Oil & Gas Industry Operations and Markets [Technologies]
- Occupational Health and safety (OSHA)
- Non Destructive Testing (NDT)
- Mini MBA
- ICDL