**Fadi**

[**Fadi.284863@2freemail.com**](mailto:Fadi.284863@2freemail.com)

**Education:**

* Bachelor degree in Mining Engineering, University of Kentucky, May 2012, Lexington, KY.
* Bachelor degree in Mechanical Engineering, Al-Balqa Applied University, Sep 2001, Amman, Jordan.

**Training And Membership:**

* Engineer Intern Certification #10017. *Eligible for Professional Engineer (PE) exam in October 2016.*
* *Member of Society of Mining Engineers since September 2011*.
* Underground Surveying and Mapping, June 2013.
* Mine Ventilation Survey design, VnetPC software.
* AutoCAD and Carlson’s Mining Models.
* Roof Control Stability Programs [ALPS, AMSS, ARMPS, CMRR].
* Advanced diesel engines maintenance and troubleshooting [Part of United States Air Force affiliated Training. California, USA Feb - March. 2005].
* Microsoft Office.

**Certifications:**

* Dust Certification
  + Dust Sampling (UG/SUR), Expire: 07/2017.
  + CPDM Sampling, Expire: 08/2018.
* WV Mine Foreman certification # 40650-13 certified by 08/05/2013.
* WV Underground mining certification # 4-19737 certified by 01/03/2010.

**Work Experience:**

* ***Mining Engineer / Outby Foreman – Black Hawk Mining, Panther Creek Mining, Dawes, WV.***

***October 2015 – Current.***

* + Supervising general work outby production sections.
  + Performing measurements of mine airflow and interpreting digital methane gas meters.
  + Oversighting of material delivery to designated work areas; brattice work; setting posts and roof supports.
  + Performing visual safety inspections in a coalmine of previously mined and uninhabited areas and reporting potential unsafe conditions to the appropriate mine personnel.
  + Monitoring required preventive maintenance for the different equipment used by the Out by crew “daily and weekly checks” and coordinates with maintenance personnel for any repairs need to be done.
* ***Mining Engineer / Longwall Section Foreman – Patriot Coal Company, Speed Mining LLC, Charleston, WV. November 2014 – October 2015:***
  + Performing full management and supervisory responsibilities of coal production and equipment maintenance crews, including goal setting, planning, direction, training and evaluation.
  + Supervise required preventive and/or scheduled maintenance and troubleshooting problem when occurred.
  + Meeting or exceeding production target or goals.
  + Leading and supporting continuous improvement projects.
  + Ensuring full compliance with company and regulatory standards.
  + Management practices were performed to achieve the following:
    - *Developing a team that can safely, effectively and efficiently operate in the coal mine and appropriately respond to changing mining conditions.*
    - *Establishing a fair and mutually supportive work environment where employees are treated with respect and dignity.*
    - *Promoting safe work practices and demonstrates a zero tolerance for non-compliance with safe work practices and regulations.*
    - *Evaluating and providing feedback to employees, recognizing good performance or taking corrective action when necessary.*
* ***Mining Engineer - Patriot Coal Company, Speed Mining LLC, Charleston, WV. May 2011 – November 2014:***

The main role when I held the position of Mining Engineer is to develop mining plans, permits and provide technical support to the production personnel. The mine consists of one Longwall and four miner unit sections. Duties, tasks and responsibilities can be described as the following:

* Using available geological information and current mining conditions to support short and/or long range planning and production goals.
* Assisting in Budget planning especially in ventilation [1 year and 5 years planning for proposed construction projects].
* Monitoring and overseeing underground production activities, major construction projects and ensuring that operations are running smoothly.
* Develop and execute major projects on the surface that related to the underground operations; such as:
  + Concrete Lined Air Shaft (10’ Diameter, 1015’ Length).
  + Mine Fan installation and initiation to provide up to 650,000 CFM.
  + Emergency Hoist installation.
  + Vertical Turbine Pumps (Drilling and Installation).
  + Gas and Oil wells plugging.
  + Other drilling activities as needed to be used for geologic data collection, rock dust, communication, etc.
  + Installing major waste water discharge lines.
* Monitor underground surveying activities and help in surveying when required.
* Follow up with official agencies to obtain the required permits and approvals and/or discuss and compliance requirements.
  + Mine Ventilation skills:
    - Plan and design required ventilation revisions and prepare a full official submittals to Federal and State agencies.
    - Design mine ventilation system (push – pull) for two main blowing fans and five exhausting fans that ventilating 15 mined out panels, one active LW and four miner sections; based on the production timing plan. [Using VnetPC software].

***Note:*** *The ventilated underground area was over than 8500 acres.*

* + - Design and develop sealing plans for old mined works areas (120 PSI system).
    - Prepare ventilation models and schematics for 1 year & 5 years plans.
    - Plan and execute major ventilation changes underground and create required procedures and maps in coordination with operation personnel.
    - Monitor mine ventilation system, air quality and quantity at the working sections and throughout the mine; by gathering monthly fan readings and weekly air readings from underground.
    - Perform gas analysis based on monthly gas sampling.
    - Working closely with MVS.
    - Ensuring that all ventilation plans and models meet required statutory and regulatory requirements.
  + Mine Roof Control skills:
    - Design required mine layout for Room and Pillar mining, Retreat mining and Long-wall mining.
    - Design required coal blocks sizes.
    - Perform analysis for over/under mining.
    - Plan and oversee Roof Control projects Such as:
      * Roof Gluing.
      * Seals Ring Grouting.
      * Supplemental Supports design for Longwall and Retreat Panels Bleeder systems.
      * Site preparation on surface and underground for Pumpable Cribbing.
* ***Mechanical Engineer (1st Lt Officer) – RJAF (Royal Jordanian Air Force), Amman, Jordan. Nov 2002-Dec 2009:***

As a 1st Lieutenant Officer-Mechanical Engineer; a full management and supervisory responsibilities were performed for Electromechanical Department which consists of four shops: Mechanical, Electrical, A/C and QC. The main mission of this unit is to assist and provide technical support of more than 25 locations.

* + Technical tasks and responsibilities were as:
    - Provided technical support to the Diesel Power Generation [5 Kw up to 150 kW] units and cooling systems used for Radars units across the country.
    - Performed troubleshooting and the required maintenance for the A/C package unit systems.
    - Provided technical support for equipments used by the department, such as:
      * Unit Vehicles.
      * Heavy equipment transporter tractor units.
      * Crane Truck, Forklift.
      * Special equipment: high pressure pumps and washers.
    - Provided troubleshooting, diagnosing and required repairs of all related mechanical, electrical and control problems.
    - Identified failures, made adjustments, assisting on trial runs and testing of mechanical installations according to specifications and instructions.
    - Planning and performing required preventive maintenance, creating maintenance procedures.
    - Procurement of all required spare parts, equipment.
    - Established Quality Control program to assure proper procedures, materials and equipment are up to required standards.
  + Management responsibilities were as:
    - Ensuing compliance with health and safety legislations.
    - Team Development: Performing necessary coaching, training, development, and evaluation of team members to foster a high performance.
    - Providing internal and external work reports and performed site audits.
    - Evaluating and providing feedback to employees, recognizing good performance or taking corrective action when necessary.
    - Developing and/or maintaining Key Performance Indicators for tracking and reporting the performance of the unit (equipment reliability, parts inventory, projects timeliness etc.).
    - Monitoring stocks of supplies and equipment.
    - Maintaining statistical and financial records.
* ***Technical Sales Engineer – AL Najjar Engineering Company, Amman, Jordan. Oct 2001-Nov 2002:***

The company field was in noise and vibration control design and products for stationary equipments. The role of the position had the following responsibilities:

* + Preparing sales proposals and offers.
  + Collaborating with the design, production, engineering, or research and development departments of the company to determine how products and services could be made or modified to suit the needs of the customer.
  + Using technical skills to demonstrate to potential customers the usefulness of the product or service and how it may suit the customer better than competing products.
  + Provided after sale technical support and troubleshooting.