**MARWAN EL-MORDEHA**

Al-Khabaz Street 6, Building 13, Jeddah Saudi, Arabia 8419 • +0966502074126 • [Marwan\_sjv@yahoo.com](mailto:Marwan_sjv@yahoo.com)

**Senior Machinery Equipment Mechanical Engineer**

**PROFESSIONAL SUMMARY**

An accomplished and talented professional with a comprehensive background in the management of heavy construction equipment engineering, increasing production, minimizing equipment downtime & costs, and maximizing overall equipment efficiency. Strategic planning, project scheduling, root cause analysis, process improvement, and budgeting abilities. Establishes, cultivates, and manages productive, long-term relationships. Interacts well with others, promotes company philosophy and goals. Proficient with Microsoft Office Suite, PowerPoint, Excel, and AutoCAD. Bilingual: speak and read English and Arabic fluently.

Soft Skills

* Leadership
* Collaborative
* Initiative
* Analytical
* Solution-Oriented
* Intently Focused
* Exemplary Communicator
* Deadline-Driven
* Technical

**HIGHLIGHTS / ACHIEVEMENTS / ACCOMPLISHMENTS**

Management & Leadership

* Managed large scale projects and served as a site manager for heavy construction related projects.
* Negotiated deliverable dates, perform resources allocation, cost planning, estimating, and purchasing.
* Maintained project timelines, monitored construction requirements, and synchronized multiple schedules.
* Coordinated with engineers and supervisors during periods of heavy erection and assembly.
* Integrated the shifting of equipment’s and spare parts.

Design

* Designed equipment specifications for projects and prepared equipment list.
* Performed troubleshooting & repairs; modified production and development of equipment.
* Conducted corrective and preventative maintenance on equipment, systems, and structures at customer site.
* Investigated equipment failures to diagnose faulty operation and suggested maintenance recommendations.
* Developed cost estimates, procured parts and equipment, and tracked construction processes.

**PROFESSIONAL EXPERIENCE**

**Al Mannaa Glass Company, Jeddah, Kingdom of Saudi Arabia 2017-2019**

***Production Machinery Engineer***

Planned and coordinated the production engineering processes to reduce downtown and outages. Did routine maintenance on machinery and repaired breakdowns. Some responsibly included maintenance for glass tempering furnaces, compressors, cutting table, washing glass machine, and beveling machine.

* Analyzed problems and devised solutions that saved money, downtown, and materials.
* Identified and addressed issues that arose in a quick and efficient manner to ensure minimal interruptions of work schedules.
* Assisted head engineer with process and system development.
* Provided technical support to the team and helped speed the work process.

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**Naam International Establishment Jeddah, Kingdom of Saudi Arabia 2003 – 2017**

***Engineer Manager***

Work on a variety of projects with major companies in Saudi Arabia: Bin Ladin Company, Multi Serve Company, Al Jazeera Company, and Al Qassim. Consult on a variety of projects with numerous types of heavy

equipment and workshop management. Lead project scheduling and budgeting to complete engineering projects. Consult with executive teams and engineers to ensure that all maintenance schedules are maintained, deliverable dates or met, and cost planning is achieved. Overhauled, removed, and repaired two asphalt and crusher plants including steel mill conveyors, crusher repairing, new foundation, and ramps. Consulted with Aljzeera Company, wrote and implemented new guidelines for their workshop. Diagnosed & repaired heavy-duty diesel equipment and provided ongoing maintenance services.

* Provided support to teams in technical design for Auto Greasing System.
* Repaired crushers & mixers, manufactured shafts & machinery, replaced bearings, and overhauled valves.
* Straightened & rebuilt shafts, overhauled large rotation machinery, sleeves, collars and bushings.
* Reconditioned replacement parts, pumps, fans, gear assemblies, roller repair, specialty welding, gear box & drives, thermal coatings, and build-up.
* Examined rig status & components, replaced old and damaged parts.
* Maintained and troubleshot all kinds of heavy equipment including rollers, bulldozer, cranes, backhoe loader, excavator, graders, and paveurs.
* Replaced and repaired equipment part including gears, drums, rods, seals, pistons, buckets, valves, electric motors, and hydraulic pumps.

**Dribina Company, Morocco 2001 – 2003**

***Mechanical Engineer***

***Diesel Specialist***

Served as Workshop Manager for all maintenance of heavy-duty equipment and the supervision of twenty-three mechanics. Performed diagnostic and repairs of heavy-duty diesel equipment, road-haulers, front-end wheel loaders, tractors, bulldozers, graders power shovels, and related construction equipment. Provided support in completing and processing work orders.

* Performed preventive maintenance services inspection, and ordered parts required for repairs.
* Repaired, replaced, assembled, and reassembled the equipment according to the malfunction diagnosed.
* Standardized the records for maintenance of motorized equipment and vehicles, along with service logs.
* Regulated the routine maintenance such, changing filters, oil and lubricants.
* Checked the fluid levels, belts, tires, brakes, and clutches.

**Air Force Academy Yugoslavia**

***Captain***

***Mechanical and Aircraft Body Structural Engineer***

Administered maintenance repair and operational readiness of Air Force aircraft. Aircrafts included Galeb, Jastreb, Mig 23, and Helicopter M8. Promoted to Captain and appointed as the Head of the Development and Research Department.

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**EDUCATION**

University Of Petroleum & Energy Studies, Dehradum **June 2019**

***Diploma In Oil and Gas Technology***

Techshore Inspection Services, Kochi **June 2019**

***ASNT*** ***Level 11*** ***Certifications in Quality Control Engineering, Piping & Piping Engineering, RTFI, Visual Testing, Ultrasonic Testing, Liquid Penetrant Testing, Magnetic Particle Testing and Radiography Testing***

Yugoslavian Air Force Academy, Bosnia

***Bachelor of Applied Sciences, Aircraft Mechanical Engineer***