## Mohamed El-Saleh Lotfy Mechanical Engineer

Nationality: Egyptian

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## Professional Summary

Performance-driven professional with 7 years of hands-on engineering and professional experience. Proven ability to ensure efficient operations and optimal functionality with strong interpersonal skills that forge strong alliances. Strong planning and management skills with the ability to conceptualize and analyze complex designs. Expert at identifying and troubleshooting a large variety of mechanical malfunctions. Provide mechanical engineering expertise in the resolution of equipment failures.

## Strengths

* Maintenance Management
* Leadership/Supervision
* Testing and Verification
* Risk Assessment
* Strategic and Tactical Planning
* Interpersonal Relationship Building
* Project Leadership
* Product Design & Production
* Budgeting and Implementing Cost Control
* Quality and Productivity Improvement

***Computer:***

* CAM (Computer Aided Manufacturing)
* FMEA (Failure Models and Effect Analysis
* Proficient in all Microsoft Office Applications
* Auto Cad 2D & 3D
* Solid work 2D&3D
* Automation Studio

***Languages:***

* Arabic (Native Speaker)
* English (Advanced Fluency)
* German (Moderate Fluency)

## Education & Professional Credentials:

* Basic Offshore Safety Induction Emergency Training 2016
* NDT Training (Ultrasonic & Magnetic Particle) Methods 2015
* Introduction to Pressure Gauges Calibration and Valve Testing 2015
* Pressure Testing for Rubber Hoses According to AST3 Training Course 2015
* Designing & Elements Selection for Hydraulic Circuits 2013
* Electro Hydraulic Control Systems 2013
* Hydraulic System Application & Maintenance Course 2013
* Pneumatic System Principles, Application & Maintenance 2013
* Hydraulic System Advanced Principles Course 2013
* Hydraulic System Basic Principles Course 2013
* Hydraulic Systems for Engineers 2013
* Hydraulic & Pneumatic Control System Course 2013
* Refrigeration & Air-Conditioning Course – Dombosco Institute 2009
* **Bachelor’s Degree ­­­– Mechanical & Power Engineering** 2010

## Employment Background

**Flow Measurements System (FMS)**  **~**  (01/2013 – Present)

### Service Operations Engineer

* Establish and coordinate maintenance and safety procedures, service schedule, and supply of materials required to maintain machines and equipment in the prescribed condition.
* Calibrate and maintain pressure gauges, recorders and weight indicators.
* Perform pressure tests for all petroleum equipment.
* Maintain and perform pressure testing for Chiksan swivels.
* Maintain hydraulic and pneumatic valves.
* Test and maintain gate and plug valves
* Carry out periodic inspection of the machine, diagnose faults, and rectify any fault.
* Ensure products and services meet customers’ satisfaction in accordance with ISO 9001
* Improve environmental performance by implementing ISO 14001
* Carry out tests and calibrations according to ISO 17025 specifications
* Identify, control, and eliminate risks associated with hazards, inefficiencies, and lack of proper planning and execution in accordance with ISO 18001, API Q2.
* Implement quality and safety management systems’ specifications that meet the unique needs and requirements for the petroleum, oil and gas service sector using API Q2 and ISO 9001

**Orange Company City Stars Towers** **~**  (01/2012 – 12/2012)

### Maintenance Supervisor

* Supervised a team of six responsible for maintenance and repair on over 300 air-condition units.
* Evaluated mechanical and electromechanical systems and products by designing and conducting research programs; applying principles of mechanics, thermodynamics, hydraulics, heat transfer, and materials.
* Developed manufacturing processes by designing and modifying equipment for fabricating, building, assembling, and installing components.
* Ensured system and product quality by designing testing methods, testing finished- product and system capabilities, assembly, and installation processes.
* Prepared product reports by collecting, analyzing, and summarizing information and trends.
* Completed projects by training and guiding technicians.
* Contributed to team effort by accomplishing related results as needed.

**Son’s of Fareed Hasaneen Company ~**  (01/2011 – 12/2011)

### Mechanical Engineer

* Supervised over 25 technicians and performed evaluations annually.
* Read and interpreted blueprints, technical drawings, schematics, and computer-generated reports.
* Researched, designed, evaluated, installed, operated, and maintained mechanical products, equipment, systems and processes to meet requirements, applying knowledge of engineering principles.
* Investigated equipment failures and difficulties to diagnose faulty operation, and to make recommendations to the maintenance crew.
* Assisted drafters in developing the structural design of products using design and drafting software.
* Oversaw installation, operation, maintenance, and repair to ensure that machines and equipment are installed and functioning according to specifications.

**Available for travel, relocation and will provide excellent references upon request**