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Mechanical engineer with over 7 years of extensive experience in maintenance and reliability engineering. Holding a Master of Science (M.Sc.) degree in Mechanical Power Engineering, I am a highly motivated and quick learner with a proven track record of implementing best practices to maintain assets in optimal condition. Successfully developed maintenance plans that reduced equipment downtime by 20% and controlled budgets effectively. Adept at ensuring compliance with ISO 50001, 9001, 14001, and 45001 standards. Committed to continuous professional development and delivering engineering solutions that drive operational excellence.

WORK EXPERIENCE

10/2024 - Present

Al Marasem International for Development.

■ Heavy Equipment Maintenance & Operations Engineer (Workshop & Fleet Management).

- Oversee maintenance, repair, and performance optimization of a diversified fleet of heavy equipment (excavators, loaders, cranes, generators, and construction machinery).
 - Monitor fleet performance KPIs, identify inefficiencies, and implement corrective actions to enhance operational productivity.
 - Perform diagnostics and troubleshooting for mechanical, electrical, and hydraulic systems to identify faults and apply timely repairs, utilizing CAT ET and SIS software for accurate fault analysis and maintenance planning.
 - Provide technical guidance to maintenance teams and departments on equipment performance, specifications, and repairs.
 - Collaborate with procurement and operations to evaluate, select, and recommend equipment purchases or upgrades based on operational needs and budget.
 - Conduct periodic safety audits and enforce adherence to regulatory and company safety policies.
- Deliver training and workshops to operators and technicians on proper operation, maintenance, and troubleshooting procedures.

10/2018 – 9/2024

NATGAS - National Gas Co.

■ Heavy Equipment Engineer.

- Oversee the daily operations of heavy equipment, ensuring that all machinery is used safely and effectively, planning and coordinate regular maintenance and repairs to minimize downtime, to extending equipment life by 15% and minimizing unplanned outages.
- Maintain and diagnose hydraulic systems on various types of specialist tools and heavy equipment, including performing regular inspections, preventive maintenance, and troubleshooting, to ensure that hydraulic systems operate efficiently and safely.

10/2017 – 09/2018

Abo EL ELA Co.

■ Maintenance Engineer.

- Achieved significant success in solving problems and faults in rotating equipment, hydraulic and pneumatic systems in a professional manner. (Such as: textile auxiliary hydraulic systems, Rotary screw compressor GR-200, punch presses and etc.)
- Supervised maintenance teams and provided technical guidance.

05/2015 – 09/2017

Egyptian Armed Forces.

■ Maintenance Engineer Officer.

- Prepared and applied maintenance plans for rotary machine diesel Engines (MTU, MWM, CAT Engines).
- Developed and executed maintenance plans for mechanical equipment and hydraulic systems (Steering hydraulic system, Windlasses, Ramp system and etc.).
- Conducted regular inspections and preventive maintenance on machinery.
- Ensured adherence to safety protocols and conducted safety drills.
- Coordinated with other departments to ensure efficient maintenance operations.

EDUCATION

[Ain Shams University \(ASU\)](#)

M.Sc. Degree - (02/2016- 07/2020)
Mechanical Power Engineering.
GRADE: Very Good.

[Arab Academy for Science and Technology \(AASTMT\)](#)

B.Sc. Degree - (2009 - 2015)

Mechanical Engineering.

(MAJOR: MECHANICAL POWER, SUB-MAJOR: MARINE & OFFSHORE ENGINEERING)

GRADE: Excellent – GPA:3.5

RECEIVED DIFFERENT TECHNICAL COURSES:

- OSHA CONSTRUCTION SAFETY.
- CATHODIC PROTECTION (CP).
- GAS TRANSMISSION & DISTRIBUTION ACCORDING TO ASME B31.8.
- PROJECT MANAGEMENT PROFESSIONAL.
- UNSAFE ACT -UNSAFE CONDATION & PEER TO PEER INTERVENTION SKILLS.
- FIRE PREVENTION AND FIRE FIGHTING.
- MEDICAL EMERGENCY BASIC TRAINING (ELEMENTARY FIRST AID).
- PERSONAL SAFETY AND SOCIAL REPNOSIBILITIES.

LANGUAGE

- ARABIC (MOTHER TONGUE)
- ENGLISH (VERY GOOD)

COMPUTER SKILLS

- SAP & MICROSOFT OFFICE
- CAD & SOLIDWORK

JOB-RELATED SKILLS

- EXCELLENT TROUBLESHOOTER ENGINEER
- GOOD COMMAND OF DISCUSS AND INTERACT WITH DIFFERENT PEOPLE
- SELF-MOTIVATED AND QUICK LEARNING.