

Alaa Mohamed Abdelghani

MECHANICAL ENGINEER

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Objective

Results-driven Mechanical Engineer with 5 years of experience in heavy machinery maintenance, operations, and troubleshooting. Expertise in preventive maintenance, failure analysis, and spare parts management. Seeking to leverage my technical and leadership skills in a dynamic engineering environment.

Experience

Eng. Abd El-Salam Elfeky Co. for Contracting & Engineering Consultations

Maintenance Engineer (Mansheya wave breaker)

3/2020 – 1/2022

- Performed tasks by hand under supervision by managers & technicians to gain more info on various types of heavy machinery including diesel engines, crane structures, hydraulic systems maintenance and hydromill trench cutters maintenance & operation.
- Applied preventive maintenance schedules ensuring an efficient & continuous machines working condition.
- Provided spare parts suppliers with consideration of cost efficiency & availability.
- Dealt with emergency situations while maintaining lower downtime and limiting damage as possible.

Maintenance Supervisor (New Sokhna port - Safaga port - Dekhila "Alexandria" port) 1/2022 – 1/2025

- Led a team of 2 Engineers & 15 technicians, delegating tasks to ensure effective workload distribution.
- Supervised and managed maintenance and operations of heavy machinery, including cranes, excavators, loaders, trucks, diesel generators, and hydromill trench cutters including (Bauer, Soilmec, Casagrande).
- Collaborated with foreign experts in site & abroad ensuring maximum quality working condition.
- Developed and implemented preventive maintenance schedules & plans, reducing equipment downtime by 25%.
- Collaborated with suppliers and vendors to provide high-quality replacement parts, minimizing costs by 30%.
- Conducted emergency repairs, ensuring minimal production disruption.
- Maintained healthy social environment inside team and between site departments to maximize production efficiency.

Education

Bachelor of Engineering (B.E.), Mechanical Engineering

Arab Academy for Science, Technology & Maritime Transport

1/2020

Skills & abilities

- Team leadership & multitasking
- Preventive & predictive maintenance
- Full process monitoring & follow-up
- Failure analysis & root Cause diagnosis
- Proficient in SolidWorks, AutoCAD, MS Office (Word, Excel)
- Strategic planning, critical thinking & problem-solving
- Intercultural communication

Certifications & Training

IKK Group's NEPRO PLAST, Jeddah, Saudi Arabia

- Managing spare parts storage 7/2011
- PVC injection machines maintenance 8/2013

Motorsport management "race organizing, cars inspection, racetrack layout, media coverage

- Team leader, organizer 2015 - 2017

Languages

English: Full professional proficiency

Arabic: Native