

Amin Abdullah Alssadig Omer

Mechanical Engineer — Fire Protection & MEP

CONTACT INFORMATION

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Professional Summary

- Mechanical Engineer specialized in Fire Protection and MEP systems with over 12 years of experience in design.
- hydraulic calculations, installation supervision, and maintenance of firefighting and fire alarm systems. Strong.
- knowledge of Saudi Building Code (SBC) and NFPA standards. Skilled in coordinating multidisciplinary teams.
- preparing shop drawings, and ensuring project compliance and quality.

Key Skills

- Fire Protection System Design & Hydraulic Calculations.
- Fire Alarm & Suppression Systems (Sprinkler, Foam, CO2, Gas).
- Emergency & Exit Lighting Systems.
- HVAC, Plumbing & MEP Coordination.
- AutoCAD, Autodesk Inventor, MATLAB, MS Office, SharePoint.
- Maintenance Management & Troubleshooting.
- Regulatory Compliance (NFPA, SBC, Civil Defense).
- Leadership & Team Coordination.

Professional Experience

ART ENGINEERING CONSULTANTS — Mechanical Engineer

Apr 2021 – Present, Riyadh, Saudi Arabia

- Designed firefighting systems and performed hydraulic calculations for multiple projects.
- Prepared detailed shop drawings and supervised site installations.
- Ensured compliance with NFPA and SBC standards for all mechanical works.
- Reviewed and approved As-Built drawings and Operation & Maintenance manuals.

AMYEAL AL EMAR COMPANY — Mechanical Engineer

Dec 2020 – Apr 2021, Riyadh, Saudi Arabia

- Managed HVAC, plumbing, and firefighting system installations.
- Coordinated with contractors and consultants to meet quality and safety requirements.
- Produced workshop drawings and reviewed technical submittals.

ELMOHANDIS CARTON FACTORY — Maintenance Engineer

Nov 2019 – Nov 2020, Khartoum, Sudan

- Led preventive and corrective maintenance for production lines and utilities.
- Prepared maintenance schedules and performance reports.
- Reduced machine downtime through systematic troubleshooting.

GLOBAL TEC ENGINEERING COMPANY — Mechanical Engineer

Nov 2018 – Nov 2019, Khartoum, Sudan

- Supervised installation, testing, and commissioning of fire protection systems.
- Designed fire alarm and suppression systems using AutoCAD.
- Conducted site inspections and ensured system compliance with codes.

SHARIAN ALSHAMAL CO. (Roads & Dams Division) — Maintenance Manager / Mechanical Engineer

Jun 2015 – Sep 2018, Sudan

- Managed the maintenance of heavy construction equipment and machinery.
- Oversaw safety systems installation and maintenance.
- Prepared periodic reports and coordinated spare parts procurement.

SUDAN RAILWAYS CORPORATION — Maintenance Technician (Locomotives)

Mar 2014 – Mar 2015, Atbara, Sudan

- Performed maintenance and fault diagnosis for locomotives and mechanical workshops.
- Ensured operational reliability through routine and preventive maintenance.

Education

- Bachelor of Science in Mechanical Engineering.
- Blue Nile University — 2013.

Training & Certifications

- Training Centre for Changlin Products — Aug–Sep 2017.
- Firefighting & Fire Alarm System Training.

Languages

- Arabic — Native.
- English — Professional Proficiency.

References

Available upon request.