

Ziad Yahia Elsadig AbdAlrahman

Mechanical Engineer

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**Membership of the Saudi Council of Engineers
Transferable Iqama**

PROFESSIONAL SUMMARY:

Mechanical Engineer with experience in installation, oversight, commissioning and maintenance of HVAC, plumbing and fire fighting systems within building projects. Including collaboration with electrical and plumbing teams, consultants, contractors, and clients to ensure projects success.

PROFESSIONAL EXPERIENCE:

Mechanical Engineer , *Dec 2021 – Jan 2025*

White Nile Sugar Company, Sudan

- Supervise mechanical systems installations at project sites.
- Ensure mechanical systems works are executed for various building projects (HVAC, plumbing, fire fighting, etc.) as per project requirements, drawings and industry standards.
- Coordinate with other MEP disciplines (Electrical, Plumbing) and civil/architectural teams to ensure seamless integration.
- Conducted sites inspections and ensure compliance with design and safety standards.
- Evaluate and select appropriate materials, equipment, and systems based on cost, performance, and sustainability criteria.
- Performed testing, commissioning and handover of MEP systems.
- Ensure adherence to local codes, regulations, and international standards.
- Prepare project documentation, including reports, method statements, and operation & maintenance manuals.
- Liaise with clients, consultants, and contractors to resolve design or site-related issues.

Mechanical Engineer , *July 2019 – Nov 2021*

Sudanese Thermal Power Generating Company, Sudan

- Ensur proper functioning of HVAC, electrical, plumbing, and mechanical systems.
- Lead renovation, expansion, maintenance or installation projects.
- Ensur facilities meet safety codes and environmental regulations.
- Identify and implement cost-saving and energy-efficient solutions.
- Oversee installation, calibration and maintenance of machinery.
- Troubleshoot system malfunctions and ensure operational efficiency.
- Managed contracts and relationships with service providers and suppliers.
- Optimize space usage and workflows in facilities.

EDUCATION:

Bachelor's degree in Mechanical Engineering, University of El Imam El Mahdi, Sudan
2018.

SKILLS:

- Problem-solving skills.
- Team Leadership.
- Good diagnosis skill.
- IT: MS Word ,Excel and AutoCad
- Analytical skills.
- Languages: Arabic mother tongue and English.
- Project management
- Collaborate with all members with a constructive approach.
- Willingness to work frequently in remote areas.

COURSES:

Individual Strategic Planning : Golden Guy Centre, Sudan
In 20/12/2023 - 27/12/2023

HVAC System (Chillers, AHU & FCU) : Um Haraz Training Center, Sudan
In 24/3/2019 - 28/3/2019

OSHA : Sun Rise Training Center, Sudan
In 4/12/2018 - 20/12/2018

Fire Fighting : Sun Rise Training Center, Sudan
In 4/12/2018 - 20/12/2018