

MOHAMMED GABRALLA

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OBJECTIVE

Seeking for a responsible position in the Engineering field, where I can utilize my skills, work experience and education to deliver solutions that improve individual and corporate client satisfaction, especially in infrastructure & energy development projects.



EDUCATION QUALIFICATIONS AND TRAINING

M.Sc in Nuclear Science & Engineering, North China Electric Power University, Beijing, China

JUNE 2017

General Average: Distinguish.

B.Sc.(Honor) in Mechanical Engineering, University of Khartoum, Khartoum, Sudan

JULY 2008

6.46 Out of 10 as Cumulative GPA.

Trainings:

- *Scaling Solar Applications for Agriculture Use*, International Solar Alliance (ISA), Virtual, India, July 2022.
- *Supply Chain Management and Procurement* (virtual), International Atomic Energy Agency, Vienna, Austria, Oct 2021.
- *Definitions and fundamentals of the components of Thermal Solar Energy Plants-Photovoltaic Plants* (Virtual), Sustainability Institute for Private Training, Kuwait, Dec 2020.
- *Prepare Program & Performance budgets course*, Sudanese Academy for Managerial Science, Khartoum -Sudan, Oct 2019.
- *Plumping & Drainage Systems Professional Course*, Softstar Engineering Institute, Khartoum-Sudan. April 2014.
- *Fire Fight Systems Professional Course*, Softstar Engineering Institute, Khartoum-Sudan. March 2014.
- *Heating, Ventilation, Air-conditioning Course*, In Softstar Engineering Institute, Khartoum-Sudan. November 2012.
- *Nuclear Power Plants Primarily Course*, China National Nuclear Company Graduate School, Beijing, China. July 2011.
- *AutoCAD Professional Training Course*, Ministry of Electricity - Um Haraz Training Center, Khartoum-Sudan. June 2011.
- *Construction Permit Issuance in Power Plants*, American Nuclear Regulatory Commission Courses, Kenya, Mombasa. May. 2011.
- *Basic Training for New Engineers*, National Electricity Corporation - Um Haraz Training Center, Khartoum- Sudan. November 2009



EXPERIENCE

Senior Planning Engineer | Sudanese Thermal Power Generation

Company, Khartoum-Sudan

JUL. 2017 – PRESENT

Responsibilities:

- Plan, Cost estimation and Case studies for implementation of energy projects (Solar, Wind and Nuclear).
- Developed Energy Strategies for country sustainable developments.
- Analyze and consolidate Renewable Energy Policies, Solar Policies, Power Generation Policies, Schemes, Tenders.
- Develop renewable energy project implemented of 5MWp solar PV project in isolated grids in west of Sudan.
- leader of Technical advisory team of 720 kWp solar plant for local petroleum company.
- Participate as a team member of IRENA Solar city simulator project for Sudan, which is cover 45 km² area for implementing solar rooftop on different premises.
- Development & Evaluation new projects group core member.
- Negotiation working group core member.
- Implement Safety, safeguards and safety guides.
- Procurement control.
- Establishment of internal Integrated management system core group member.

Project Engineer | **Projects Implementation Unit, Ministry of Electricity and Water Resources, Khartoum-Sudan**

JUL. 2012 – SEP.2014

Responsibilities:

- Deploying teams, working companies, procurements in new local distribution network installations for customers.
- Planning & Scheduling work activities.
- Preparing expected work budget.
- Lead/Deploying working teams.
- Monitoring/Leading contracted companies' installations groups.
- Receive & Analyze working reports from field supervisors.
- Support on-site activities to ensure that companies' jobs are correctly, safely and reliably done.
- Check all required procurements for work are available.
- Final check of executed works according to local installation specifications.
- Preparing monthly reports for senior managers.

Planning Engineer | **Ministry of Electricity and Dams, Nuclear Power, Renewable & Alternative energy Directorate, Khartoum-Sudan**

OCT.2010– JUL 2012

Responsibilities:

- Establish Sudanese new energy mix program including (Nuclear Power, Renewable....). capacity of 6000 MW of power.
- Conduct preliminary feasibility study with foreign consultancy company of energy mix program as member of the core group.
- Energy planning for Sudanese energy plan; with foreign consultancy company.2010- 2039 energy plan.

Shift Engineer | Sinnar Hydropower Station, National Electricity Corporation, Sinnar –Sudan

OCT. 2009 – OCT2010

Responsibilities:

- Control room engineer in the power plant.
- Responsible of power plant generation in daily shifts.
- Provide the generation report to the local load dispatch center.
- Responsible of maintenance work & teams.
- Co-operate in plant overhaul planning & scheduling.
- Plant procurement & logistics control.



SKILLS

- Fluent English.
- Ansys, (CFX & Fluent).
- AutoCAD.
- SolidWorks.
- PVsyst.
- Microsoft office (Word, Excel, PowerPoint)
- MS project.
- HVAC software.
- Leadership skills.
- Good technical and analytical skills.
- Familiar with multi culture work environments.
- Work in group.
- Work under pressure.
- Good written and oral communication skills.
- Initiating and brain storming skills.
- Outstanding experience in engineering and architectural industries.



ACTIVITIES

- Registered/ licensed from of Sudanese Board of Engineers.
- Member of Sudanese Engineers Union.
- Member of Sudanese Society of Mechanical Engineers.

References available upon request.