**CURRICULUM VITAE**



**Abbas Abdelazeem Osman Abnouf**

**Mechanical Engineer**

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**Summary: 12-year** experience in power/water plants, operation& maintenance, fuel planning, MEP (projects Installation, commissioning and performance of plant having a thorough knowledge of the mechanical field, rotating equipment erection and commissioning.

**Area ofexperience:** Power Plant/Water Plants Operation, Maintenance, Technical Support, Construction & Supervision, Commissioning & Plant Start-up.

**Professional objectives:** Senior Mechanical Engineer (project/maintenance/Construction/Commissioning/ Operation /performance) in Power& water sectors.

Main achievements:

* Successful engineering contribution in large power plant project as OE’s, with international consultant, EPC/EPCM contractors; 4×125MW Steam turbine (2016).
* Successful Engineering contribution in water purification & Treatments plant as OE’s, with capacity about 70 million liter a day*.*
* SuccessfullyEngineering solution of water leakage inside ANDRITZ large submersible Generators and Pumps using pressurized Dry Air System AGS.
* Successfully Engineering contribution for upgrading and modification of emergency hydraulic shut down system at Merowe power plant.

Oct 2009-March2012 Operation Engineer (complex of Garri power plants)-Sudan

With the following responsibilities:

Supervision Of operation of 480MW Combined cycle power plant and water plant.

* Authorized for 11/220 kV switching and follow-up on defect clearance.
* Submitting incident/trip reports and to provide recommendations.
* Operation of power generation units as per the assigned area, safely as per established procedure & agreed planning schedule and ensure the availability and production targets.
* Involves isolation & normalization of system for enabling the maintenance to carry out their work.
* Strictly adherence to lock-out/tag-out procedures and inspection of Protective Personal Equipment (PPE).
* Prepared necessary paperwork and permitting for prohibited space to entry like boilers, loading unloading areas.
* Meticulously documented and reported production, equipment and fuel/water data to site management daily.
* Test and correct plant chemistry.
* Adhered to high safety standards through the use of safe work permits and determining the correct PPE for various contractors’ work.

April 2012-Decemper 2018(Complex of Garry –Khartoum North) power plants

Mechanical Maintenance Engineer with the following responsibilities

Power plants /substations Maintenance Planning & Scheduling (spare parts, activities, equipment repair)

* Managing , Organizing and supervising all Mechanical maintenance Activities
* Supervising all Welding process (Operation, coordination, inspection and testing).
* Troubleshooting, servicing and maintenance the plant standby diesel station.
* Troubleshooting, servicing and maintenance water supply and water treatment plants.
* Troubleshooting, servicing and maintenance of 180, 40 and 32 Ton over had cranes from KONE including bearing check, hock, rope drum & gearboxes Etc.
* Troubleshooting and Maintenance of power plant/substation fire suppression systems (CO2), water sprinkler.
* Troubleshooting and Maintenance of power plant/substation HVAC Systems.
* Assigned personnel and technical support to team sites requiring 24/7 Maintenance

October 2018- 2021(Khartoum North Power Station KNPS- Sudan) (380MW and project of 120 MW Fast track Gas turbines)

Senior Technical Support Engineer: with following duties and responsibilities

Provide expert support in the diagnosis and rectification of plant capability shortfalls, and for Improvement of power plant performance.

* Leading a fault analysis process for non-routine faults in units and equipment.
* Leading fuel planning for power plant.
* Provide expert support for Operation and Maintenance of Power plant and water plant.
* Actively involved in Load forecast with LDC and planning for fuel demand
* Determine the causes of generation plants performance losses and recommend solutions.
* Conduct and monitor performance tests for power plant and analyzing defects and finding solutions and improvement.

Academic Qualifications:

* Bachelor Degree inMechanical Engineering.

Nile Valley University, 2008-Sudan

FIELD OF SPECILIAZATION:

* Power plants Installation, commissioning Operation and maintenance.
* Desalination plants Installation, commissioning Operation and maintenance.
* Firefighting & HVAC systems installation, Commissioning and maintenance.
* Welding and welding inspection.
* Research, study, and develop, design and improving mechanical Systems.

**TRAINING & COURSES:**

* Integrated Fire Alarm& firefighting systems – Khartoum / Sudan/2014
* Approval in Non-Destructive Testing with Recommendation of American Society of NDT ASNT-TC 1A (VT, PT, MT, UT, RT) level2 – **Cairo 2014**
* Approval in Non-Destructive Testing with Recommendation of American Society of NDT ASNT-TC 1A (VT, PT, MT, UT, RT) level2 –**Malaysia 2016**
* Bearing technology &Maintenance – **Cairo/Egypt/2013**
* Pneumatics &Hydraulics training –**Thailand/2013**
* Load Forecasting - **Cairo/Egypt/2012**
* SHP development with Emphasis of investigation preparation- **India /2017**
* Supervising engineering Inspection Testing of Plant equipment piping

– **Khartoum / Sudan/2013**

**TQM Auditing Courses:**

* Internal Auditor ISO 9001:2008– Khartoum / Sudan/2012.
* Auditor/Lead Auditor ISO 900:2015**– Khartoum / Sudan/2015**.
* Integrated QHSE Management System Internal Auditor ISO 9001:201.5
* ISO 14001:2015, ISO 45001:2018**– Khartoum / Sudan/2018**.
* Integrated QHSE Management System Internal Auditor ISO 9001:2015 ISO 14001:2015, ISO 45001:2018– **Khartoum / Sudan/2019**.

**PERSONAL DETAILS:**

* Date of birth :25-10-1984
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