

ABDALLA ELSIDDIG IBRAHIM MOHAMMED

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In quest of mechanical engineering assignments with an organization of repute in power sector.

SNAPSHOT

- Dynamic and result oriented professional with 6 years experience. operation and maintenance of Merowe Dam Project (Sudan).
- B.Sc. Honours in mechanical engineering from Sudan University of Science & Technology(Sudan), Certified NDT inspector level II, Vibration Analyst.
- Sound knowledge about international standards and regulations such as ISO, ASME, API, ANSI, ASHRAE, KPI etc.
- Adept in analyzing and identifying root causes of mechanical problems, custom designing solutions and troubleshooting of complex technical problems and identify suitable remedies.
- Strong collaboration, team building, interpersonal, communication skills with proficiency at grasping new technical concepts quickly and utilizing the same in a productive manner.

Personal dossier

Date of Birth: 28th July 1989

Nationality: Sudanese

Gender: Male

Marital Status: Married

Driving License: Yes

Religion: Muslim

Academic Qualifications

- **B.Sc. (Honours) in Mechanical Engineering – Sudan University of Science & Technology(Sudan) – Second class – Division Two – Date Awarded 2013.**
- **Graduation project: Design of Automatic Solar Parabolic Collector.**

Languages

Arabic: native

English: V.good

FIELDS OF EXPERIENCE

- **Mechanical engineering:** more than 6 years experience in practicing different assignments at power plants sites.
- **Maintenance and reliability engineering:** 6 years experience in carrying out and supervising maintenance tasks in different sectors. For all kinds of maintenance (Predictive ,proactive, preventive and corrective) according KPI standard, Condition Monitoring & vibration analysis for rotating machines (Turbines, Pumps, Compressors, Gearboxes.. etc).

SKILL SET

Computer Skills:

Design: SolidWorks / AutoCAD / PLC (OMORON).

Planning: Primavera P6 (Advance level) / ERP Software.

Industry: T-Soft (Elementary level).

Functional Skills:

- Designing maintenance strategies, procedures and methods; diagnosing faults and repairing equipment; carrying out quality inspections on jobs; controlling maintenance costs, tools, stores and equipment.

- Handling installation and commissioning of projects including development of requirement analysis, preparation of business case, finalizing specifications and developing of different levels of plans.
- Adept in Condition Based Maintenance program (PdM, PaM, PM, CM).
- Adept in precision alignment with SKF LASER alignment device. vibration analysis as Specteum, Time waveform, Orbit...etc with TRIO CX7™ device.
- Adept in welding & non destructive testing (VT-PT-MT-UT & RT).
- Good report writing skills for submission of technical evaluation and recommendation proposals for improvement works. Team player and able to work with a team of engineers and contractors.
- Interpersonal, initiative, analytical thinking, decision-making and leadership abilities.

Memberships and Registrations

Registered Engineer – Sudanese Engineering Council – Sudan.

CAREER CONTOUR

Aug 2014 – Present: Maintenance Engineer:

**Merowe Dam Electricity Company Ltd. (MDEC) – Merowe Dam Power Plant
(10 Units X 140MVA):**

Successfully carrying out the following activities:

- Design maintenance strategies and plans: (estimates, resources, schedules, cost and risk analysis...etc).
- Supervise and carry out Predictive, proactive, preventive and corrective maintenance activities for all equipments.
- Supervise and carry out Vibration data Analysis, Data collection, Condition Monitoring, Troubleshooting and Formal Reports.
- Analysis and trouble shooting for defects reported from operation department.
- Prepare time-driven and event-driven reports (maintenance reports).

Nov 2013 – Aug 2014: Assistant engineer:

**Merowe Dam Electricity Company Ltd. (MDEC) – Merowe Dam Power Plant
(10 Units X 140MVA):**

- Daily walk around to check pumps, compressors, chillers, valves, and other mechanical equipments.
- Supervise and carry out periodic collecting vibration data for turbines, pumps, compressors and other rotating equipments.
- Assist in carrying out vibration data analysis(Specteum, Time waveform, Orbit...etc).
- Assist in carrying out Predictive, proactive, preventive and corrective maintenance activities.
- Daily information report.
- Ensure zero accidents, ensure hazard eliminated, isolated or controlled.

ATTAINMENTS

- Basics vibration analysis Training; MDEC; sudan.
- Governing Fundamentals and Power Management; MDEC; sudan.
- Hydraulic and Pneumatic Training; ZETA; sudan.
- Hydro Mechanical Equipments; MDEC; sudan.
- Operation and Maintenance for Chillers Service(water cooled); Daikin McQuay; Jabel ali, dubai.
- Wind turbine technology and Application; NIWE; Chennai; India.
- Health, Safety and Environment; MDEC; sudan.
- Primavera Project Management P6 (Advance level); MDEC; sudan.
- Personal Strategic Planning; sudan.

Certificates: Available at any time;

References: Eng: YASIR HASSAN WIDATALLA OMER; **E-mail:** yashwo@yahoo.com