



## **Eng. Ahmed Awad Elhag Ali**

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### **OBJECTIVE**

Competent engineer with +10 years of experience mainly in **(Oil & Gas)** and construction fields. I possess a strong sense and ability of leadership, communication skills, decision making, and management skills. Interested in a challenging position in related field, that will be both a huge boost to my professional career as well as being in a place which I will benefit with my expertise.

### **ACADEMIC QUALIFICATION**

**Master of Business Administration (MBA),**  
University of Khartoum, Sudan, Dec-2016

**Bachelor of Science (Honors), Electrical Engineering, Power Systems Engineering,**  
University of Khartoum, Sudan, Sep-2009

### **CAREER PROGRESSION**

**Senior Rig E&M Engineer** (Jul 2020 – Present)  
National Upstream Solutions Co. Ltd (NUS), Khartoum, Sudan

**Senior Rig Equipment Performance Engineer** (Jun 2017 – Jun 2020)  
National Upstream Solutions Co. Ltd (NUS), Khartoum, Sudan

**Rig Engineer** (Jun 2011 – Jun 2017)  
National Upstream Solutions Co. Ltd (NUS), Khartoum, Sudan

**Electrical Site Engineer** (Sep 2010 – Jun 2011)  
Murtada Maaz Consultancy (MMC), Khartoum, Sudan

### **PROFFESIONAL EXPERIENCE**

**Senior Rig Equipment Performance Engineer (NUS) Co. Ltd, Sudan**

- Analyze equipment malfunctions and failures, accordingly develop corrective actions.

- Witness the testing and commissioning of all the mechanical / electrical equipment and sign off the relevant documents for acceptance.
- Develop improvements to enhance equipment reliability.
- Assist the discipline staff on projects in the final inspection for certification and handing over the works.
- Provide technical assistance in material requisition and maintenance of company equipment.
- Coordinate with other mechanical system for desired electrical load of machines (pumps, genset...etc).
- Develop preventive maintenance procedures to reduce equipment failures.
- Monitor equipment performance and suggest improvements.
- Work with management to develop equipment specifications for next generation products.
- Maintain documentations for equipment installation, maintenance and troubleshooting procedures for reference purposes.
- Provide 24x7 supports to rig site.
- Test and approve new equipment before handing off to operation.
- Develop cost-reduction initiatives while still maintaining quality and productivity.

#### **Rig Engineer (NUS) Co. Ltd, Sudan**

- Supervised and managed a team of electrician and mechanics for operation and maintenance at the rig and well sites.
- Supervise and ensure work progresses in accordance with the client company approved work-over and completion programs.
- Remain aware of whole conditions and trends in order to anticipate potential problems.
- Ensure that all activities are reported in a timely manner and recorded fully and accurately.
- Ensure that every piece of equipment run into the well has been callipered, measured (length, OD, ID e.g.) and that the measurements are accurate.
- Visually inspect every piece of equipment on location that has to do with the operations and ensure they are certified for the intended purposes.
- Take responsibility for all pipe tallies, particularly those regarding critical operations such as casing and liner jobs, top of fish, packer depth...etc.
- Ensure that all pressure seals in the BOP and wellhead are properly installed and pressure tested according to the work-over program or operational procedure.
- Participate in the investigation and documentation of all accidents and equipment failures.
- Preparing all daily work-over reports and IADC sheet and ensuring adherence to safety procedures.
- Focus to minimize NPT during operation by preparing all requirements which we will need it during drilling operation.
- Discuss potential problem with the appropriate company supervisor and provide all relevant facts and observations.

- Co-ordination with the client regarding the work permit and progression.

### **Electrical Site Engineer (Murtada Maaz Consultancy), Khartoum, Sudan**

- Inspect installations and observe operations to ensure compliance with design and equipment specifications and safety standards.
- Reviewing all load calculations, single line diagrams, material submittal and cost estimation.
- Conformance of Technical Information corresponding with Specifications and Shop Drawings (SHD).
- Developing and documenting operation plans.
- Following up on work with schedule activities and material delivery.
- Preparing drawings and daily reports.
- Planning and conducting site orientation for client.
- Holding meetings with resident engineers / contractors for monthly and weekly progress reporting.
- Preparing all documents, official letters and minutes of meetings.
- Liaising and working closely with mechanical and civil engineers for smooth operation on site.

### **KNOWLEDGE, AREA OF EXPERIENCE & CERTIFICATES**

- IWCF certified (Supervisor level).
- ESP, PCP and beam pumps.
- Work-over jobs and completion.
- Fishing tools.
- Generators, Motors, ATS, and MV/LV switchgears.
- Engineering and non-engineering software and applications: AutoCAD, MS office, etc.

### **PROFESSIONAL TRAINING**

**Witnessing and Attendance of Manufacturing of four Work-over Rigs** (Aug - Oct 2015)  
Tianjin Petroleum Company, Tianjin, China.

**Work-over Rig Equipment Performance and System** (Jun - Aug 2011)  
Shandong Kerui Group Holding Company Ltd (KR), Shandong, China.

**Trainee Electrical Engineer** (Mar 2010 – May 2010)  
Diesel Generators Company (DGC) Khartoum, Sudan.

- Pre-delivery inspection, on-site installation, client service, and workshop tasks.

**National Electricity Corporation (NEC)** (Jan 2010 and Jun 2010)

**Khartoum North Power Station, Khartoum, Sudan.**

- Generation, Transformers, cables, and Distribution units.
- Overhead lines and emergency services.

## PERSONAL DETAILS

- **Nationality:** Sudanese.
- **Date of birth:** 14-May-1986.
- **Languages:** English and Arabic.