

## Curriculum Vitae

**MUSA ELSAYED YOUSIF**  
**RABAK- WHITE NILE STATE -SUDAN**

[meyali228@outlook.com](mailto:meyali228@outlook.com)

**+249911350404**

**+249112208072**

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### ❖ **Career Objective**

*Instrumentation & control engineer with 10 years' experience in sugar & cement industries, I am looking for a good position in the field of instruments and automation where my skills and abilities will be utilized to enhance the productivity of the organization. I possess effective organizational skills and team work skills.*

## **PROFESSIONAL EXPERIENCE**

### ❖ **Company: White Nile Sugar Company (24k TPD)-Sudan**

**Position: C&I Superintendent Engineer.**

**Period: June'2016 to Current.**

#### **Duties and Responsibilities**

- ✓ **Supervise and support I&C maintenance activities in the plant.**
- ✓ **Monitor the I&C preventive, corrective maintenance and overhauling work activities to ensure safe and efficient application of procedures and implementation of optimal I&C maintenance.**
- ✓ **Review I&C maintenance procedures and suggests where they can be improved.**
- ✓ **Support operation and maintenance teams in troubleshooting issues related to I&C components or system.**
- ✓ **Monitor and support on the response to all emergency breakdowns to ensure plant availability, thereby minimizing downtime.**
- ✓ **Allocating work to a team of engineers from different backgrounds and nationalities, and supervising work tasks accomplishment to achieve production goals within the timeline with respect to safety procedures.**
- ✓ **Organizing, planning and executing PM and routine servicing schedules as per maintenance plan or machines operation and maintenance manuals.**
- ✓ **Reporting technical conditions of machines and equipment's and team member's outputs and performance.**

- ✓ *Attending weekly meeting with plant manager to discuss weekly report and for recommendations and planning.*
- ✓ *Attending daily meeting with department manager to discuss about operation and maintenance problems.*
- ✓ *Maintain sufficient stock of spare parts and consumables for optimal I&C maintenance.*
- ✓ *Execute yokogawa DCS (CENTUM CS3000 and CENTUM VP) programming and maintenance work.*
- ✓ *Execute Schneider plc (unity pro XL V5) programming and maintenance work.*
- ✓ *Troubleshooting issues related to Industrial communication (Modbus, Profibus and fieldbus).*
- ✓ *Troubleshooting issues related to UPS and ordering spare parts.*
- ✓ *Responsible about power generation (104 MW steam turbines and 520 TPH of steam boilers), water treatment plant instruments maintenance.*

❖ **Company: Altakamol Cement Company (5k TPD)-Sudan**

*Position: Instrumentation Engineer.*

*Period: May'2015 to August'2016.*

***Duties and Responsibilities***

- ✓ *Allocating work to a team of technicians and supervising work tasks accomplishment to achieve.*
- ✓ *Executing work orders as per PM department request.*
- ✓ *Responsible about operation and maintenance works in cement and packing area.*
- ✓ *troubleshooting issues related to Schneider plc (unity pro XL V7).*
- ✓ *executing PM and routine servicing schedules as per maintenance plan or machines operation and maintenance manuals.*
- ✓ *calibration and loop checking of all types of process field instruments (pressure, flow, level, vibration and temperature elements, transmitters, valves, MOV's, controllers and communicators) including smart valve positioners.*
- ✓ *maintenance of pneumatic and hydraulic system.*
- ✓ *Installation, commissioning and maintenance of control valves (pneumatic and hydraulic) and MOV's (Rotork, Auma), I/P converters... etc.*
- ✓ *Calibration and maintenance of conveyor weighing systems.*

❖ **Company: Nile Cement Company (1k TPD)-Sudan**

***Position: I&C Engineer.***

***Period: Novmber'2009 to October'2014.***

***Duties and Responsibilities***

- ✓ ***Allocating work to a team of technicians from different backgrounds and nationalities, and supervising work tasks accomplishment to achieve.***
- ✓ ***executing PM and routine servicing schedules as per maintenance plan or machines operation and maintenance manuals.***
- ✓ ***Installation and commissioning instruments with respect to Safety procedures.***
- ✓ ***calibration and loop checking of all types of process field instruments (pressure, flow, level, vibration and temperature elements, transmitters, valves, MOV's, controllers and communicators).***
- ✓ ***Calibration and maintenance of conveyor weighing systems.***
- ✓ ***maintenance of pneumatic and hydraulic system.***
- ✓ ***Installation, commissioning and maintenance of control valves (pneumatic and hydraulic) and MOV's Auma, I/P converters... etc.***
- ✓ ***Calibration and maintenance of conveyor weighing systems.***
- ✓ ***troubleshooting issues related to GE Fanuc (90-30) PLC.***
- ✓ ***Order spare parts from company store.***
- ✓ ***Attending commissioning of rotary kiln and raw mill.***
- ✓ ***Participate with I&C team to take Cement Mills to PLC.***

❖ **Courses**

- **Six Sigma Yellow Belt**
- **Data communication with industrial ethernet**
- **ProfNet**
- **Profibus**
- **Strategic planning**

### **EDUCATION**

**Bachelor of electrical & electronic  
engineering – control**

**Nile Valley University  
2002 – 2007**

**Higher Diploma in Business  
Administration**

**Bakht Alruda University.**

### **IT SKILLS & OTHER SKILLS**

**Operating systems: Windows all versions**

**Programs: Office Tools**

**Internet: Very good**

**Work ethics and professionalism  
willing to learn**

**Adaptable to change**

**Problem-solving and decision-making**

**Man power management**

**Able to work as team member**

**Excellent communication and interpersonal  
skills**

**Passport: P03343976**

**Driving license: L08S53050**

**National Service: Done**