Omer Mohammed Elhassan Ali Mohammed

BSc Mechanical,MBA,PMP,EFQM

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PERSONAL SUMMARY

- To stick my self with the new technology through which one can harness his capabilities in Engineering and management discipline
- Excellent values and attitudes with abilities to learn and high communications skills
- Professional with approximately 18 years of experience being in PMO, Project Management , Strategic Management(Balance Scorecard), Strategic and Operation Excellence, Process Management, Business Transformation, Power Plant(Steam & Hydro) Operation and rehabilitation and commissioning .
- Member of Board of Directors to Many medium and big size companies
- Abilities to analyze company's financial statements and performance
- Intermediate level in Microsoft Power Business Intelligent with integration with python and excel
- Entry level in Smart Factory , Model Based Systems Engineering with SYSML

PERSONAL INFORMATION

Nationality: Sudan

Residence Country: Sudan - Khartoum

PREFERRED JOB

Preferred Job: Strategy development and management , Quality and System Management, Project Management, Planning Engineer, Business Manager, Business Functional Manager
Field: Management

WORK EXPERIENCE

Total Years of Experience: 17 years, 3 months

Systems Manager at
Defense Industries System
(MASAD-SUDAN)
Sudan - Khartoum

May 2020 - Present

Developing process improvement strategy and create corporate policy for management systems.
In the process improvement strategy we aim to deliver the following :-

1. MASAD process mapping for all strategic ,tactical ,operation level
2. MASAD process modeling for all strategic ,tactical ,operation level
3. Standardize MASAD processes at all level
4. Raise MASAD processes maturity levels to optimum level
5. Change MASAD group from functional oriented to process oriented
6. Develop MASAD performance base line according to the above to ease process innovation
7. Digitize 75% of MASAD processes
8. Enable MASAD process agility
9. Automate 15% of MASAD process
10. Enable MASAD process intelligent
11. Enable MASAD process mining
12. Enable MASAD process foresight

Creating corporate policies for management systems as follow:-

1. **Emergency ,Crisis, and Disaster policy**
2. **Project management policies**
3. **Suggestions and complaints policies**

4. **The policy for building and developing quality systems**
5. **The policy for building and developing food safety systems**
6. **The policy of building and developing occupational health and safety systems**
7. **The policy of building and developing environmental systems**
8. **The policy of building and developing supply chain security system**

MASAD Total Quality Management and Systems Assessor member at
Sudan Defense Industries System
(MASAD-SUDAN)
Sudan - Khartoum

March 2012 – Present-

Working As Assessor and participate in all Assessing work in the MASAD Excellence Award Cycles to give feedback reports to the target companies to reach the following benefits ;-

1. Continuous improvements
2. Identify the cause and effect relationship
3. Establish base line
4. Sustaining excellence
5. Enhance leadership skills and encouraging employees to innovate
6. Optimizing resources by focusing on import ant projects
   By implementing five stages:-
   a. Preparatory stage
   b. Self-assessment and opportunities for improvements and strength points stage
   c. Define improvements projects
   d. Using RADAR logic to give score
   e. Final assessment stage and feedback reports

Transformation Management Office

Member at Sudan Defense Industries System

(MASAD-SUDAN)

December 2017 - May 2020

Sudan - Khartoum

Analysis of business As- Is and build The To-Be for our company (MASAD) and participate in the implementation of MASAD Business Transformation programs as follow:

1. Policy review and improvement program (P1)
   Policy program will be implemented to achieve the Policy Targets(PT), as shown below:
   PT1: 20% annual improvement of customer experience
   PT2: 50% digitized core business by 2020
   PT3: 30% annual increase in usage of data-driven analytical tools
   PT4: 50% adherence to Industry 4.0 specifications and standards by 2020
   PT5: 30% annual increase in usage of programs solutions and tools
   PT6: 100% of technical competent personnel out of total technical workforce by 2020
   PT7: 100% policy adoption by 2020
   PT8: 2 new products/services innovations per business group per annum
   Management delivery program(P2)
   In essence, the main purpose of establishing the program P2 is to ensure a successful transformation of MASAD through good governance.
   1.1 Restructure MASAD
   1.2 Enhance Performance Management System (PMS)
   1.3 Manage Risk
   1.4 Establish Decision-Making Mechanism
2. Enterprise architecture program (P3)
   The intent of enterprise architecture is to determine how MASAD group can most effectively achieve its current and future objectives
   2.1 Assess ‘As-Is’ Enterprise Architecture (EA)
   2.2 Build MASAD ‘To-Be’ EA
   2.3 Build EA Roadmap
   2.4 Manage Change
   2.5 Establish Governance Mechanism
   2.6 Build Competencies
   2.7 7 Implement EA Programs
3. New competency development program (P4)

The objective of program P4 is to provide the activities and mechanisms for the implementation of MASAD competency program, that will support the digital and cultural transformation.

4. Transformational culture program(P5)
   P5 will enhance the effective practices of MASAD's project and program managers, the successful execution of projects and programs,
5. Integration of digital services program (P6)
   MASAD needs powerful IT support and enablers to drive its business transformation effort. The support must be in an integrated manner
   - 5.1 Build Capabilities
   - 5.2 Building Management Structures
   - 5.3 Undertake Systems Development, Integration and Improvement: Back-end systems
   - 5.4 Build Unified Data Management
   - 5.5 Build Digital Platforms
   - 5.6 Integrate Technologies and Infrastructures

PMO Manager at MASAD VP
For Corporate Development Office
(MASAD-SUDAN) January 2016 - November 2017
Sudan - Khartoum

Establishing and managing portfolio that contains the following programs :-

- 1.1 Advanced manufacturing program
- 1.2 Electronic technology program
- 1.3 Engineering industrial program
- 1.4 Residential and construction development program
- 1.5 Mining works program
- 1.6 Animal exports development program
- 1.7 Agricultural exports development program
- 1.8 Aviation industry program
- 1.9 Chemical industrial program
- 1.10 Logistic service program
- 1.11 Financial services and investment program
- 1.12 Each program from the above list contains many big projects

PMO Manager at
MASAD Light Industrial Group (LIS)
(MASAD-SUDAN) November 2013 - December 2015
Sudan - Khartoum

Establishing primavera p6 Enterprise Project Portfolio Management web- base system for light industrial group for prioritizing, planning, managing ,and evaluating projects ,programs and portfolios to achieve the following:-

1. Ensure projects delivery success
2. Project management information access any time any where
3. Optimizing capacity , tracking progress, streamline reporting performance
4. Risk management and collaboration and content management
5. Resources and costs management

PMO Manager at
Telecommunication Research Centre (TRC)
(MASAD-SUDAN) September 2011 – October 2013
Sudan - Khartoum

Applying the following in our TRC PMO to get a high return form each project

- 2.1 Provide a common point of reference and a common vocabulary for talking and writing about the practice of project management for projects within MASAD-TRCPMO.
- 2.2 Increase the awareness and professionalism of good Project Management Practice by those charged with the responsibilities defined in the methodology.

2.3 Define the roles of the Sponsor, Project Manager, Stakeholders, Technical and Business Leads and other team members and obtain consensus within the organization about their importance as Critical Success Factors (CSF).

2.4 Create the basis for a collaborative environment where everyone engaged in project work understands what is required of them and why those requirements are key factors for improving project results.

2.5 Shared and coordinated resources across all projects administered by the PMO;

2.6 Identification and development of project management methodology, best practices, and standards;

2.7 Clearinghouse and management for project policies, procedures, templates, and other shared documentation;

2.8 Centralized change management and configuration management for all projects administered by the PMO;

2.9 Centralized repository and management for both shared and unique risks for all projects;

2.10 Central office for operation and management of project tools, such as enterprise-wide project management software; I used P6EPPM web base, professional client (8.2, 8.3, 8.4, 17.7) and team member of oracle enterprise-wide project management software

2.11 Central coordination of communication management across projects;

2.12 mentoring platform for project managers;

2.13 Central monitoring of all PMO project timelines and budgets,

2.14 Ensure that all work performed is both authorized and funded by contractual documentation;

COMMISSIONING ENGINEER at March 2010 - November 2010

NATIONAL ELECTRICITY CORPORATION

Sudan - Khartoum

Participating with commissioning committee in the following

1. Common equipment and station plant commissioning
2. Boiler pre-steam to -set commissioning.
3. Turbine - generator and feed heating system pre - steam -to -set commissioning.
4. Unit commissioning and post commissioning activities.

Role and responsibilities during commissioning are

1. All activities must be within a greed program
2. Brought the plant into commercial operation.
3. Ensure that all plant component has been manufactured and erected corrected by doing plant checks and do the assessment of the reliability of the plant.
4. Ensure that any differences between the plants as conceived and the plant as designed, manufactured constructed and commissioned are identified and fed back to the organization.
5. Assessing plant, against guarantees and do the contractual tests.
6. Make provision both in time and manpower to assist in the training of nucleuses of station staff to carry out the routine operation during the commissioning phase and longer term commercial operation.

General activities as commissioning engineer are:-

1. General engineering requirements
2. Boilers and auxiliary system (Pressure parts, Draught plant, Combustion plant, Soot blowing plant).
3. Turbine and condensate system (turbine, governor, Barring, , jacking and governor oil system, Gland steam system, condensate extraction plant, condensate system).
4. Feed heating system \[LP and HP feed heating plant including deaerated, Start and stand by BFPs, Feed heating\].
5. Generator and unit transformers.

6. Fuel handling and storage
7. Water treatment plant(raw water delivery and storage plant, Pre-treatment- plant, Regeneration plant, Acid /caustic handling and storage plant).
8. Circulating water and auxiliary circulating water system
9. Station auxiliary services
10. Electrical power and services
11. Control and instrumentation
12. Diesel engine driven plant.

OPERATION ENGINEER at
NATIONAL ELECTRICITY CORPORATION

Sudan- Khartoum November 2006 - March 2010

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WORKING AS OPERATION ENGINEER IN OPERATION DEPARTMENT OF HYDRO POWER PLANT & STEAM POWER STATION

1. **Khartoum North Power Station(STEAM POWER PLANT-NEC)** as the following position:

1.1 **2008-2010 control Engineer**

1.1.1 organization of the shift operation personal and direct the actions of my staff in the safe and efficient production of electricity.

1.1.2 Ensure that the shift manning levels are maintained, units safe operation start up, shut down checking and monitoring all units equipment's parameters ,improve units efficiency, prepare and follow up permit for work with safety rules if maintenance department requested, Boiler& turbine operation activities check up for normal, efficient and safe performance, control the units load according to demand.

1.1.3 station running circuits operation and observation (water treatment plant, steam plant and fuel oil system).

1.1.4 Unit's data logging for analysis, faults and defects tracking for repairing action, Make the units daily report., Make the unit trip analysis report., Make planning for the shifts Works.

1.1.5 Approving the following :

1.1.5.1 Outage of plant for maintenance and issue of permits to work.

1.1.5.2 mechanical and electrical isolation including the application of earthing equipment

1.1.5.3 issue of mechanical and low voltage electrical permits to work.

1.1.5.4 Investigate plant faults and liaises with the respective maintenance departments for rectification if required

1.2 **2007-2008 plant Engineer**

1.2.1 ensure that adequate supplies of water, fuel chemicals and other disposables are available on the station to enable the requested generation to be met.

1.2.2 follow up boiler & turbine auxiliaries and equipment's

2. **2007 Sinnar Power Station(HYDRO POWER PLANT-NEC)** as the following position:

Operation Engineer a approving the following :

2.1 Outage of plant for maintenance and issue of permits to work.

2.2 mechanical and electrical isolation including the application of earthing equipment

2.3 issue of mechanical and low voltage electrical permits to work.

2.4 Investigate plant faults and liaises with the respective maintenance departments for rectification if required

3. **2006 specific internal on job training** in many different power stations in operation, c&i, electrical, mechanical and maintenance departments for example :-

3.1 NEC- KHASHIM ELGIRBA HYDRO POWER STATION
3.2 NEC-ELRUSERIS HYDRO POWER STATION
3.3 NEC-SINNAR HYDRO POWER STATION
3.4 NEC-JABEL AULIA MATRIX TURBINE HYDRO POWER STATION)

MECANICAL ENGINEER at

CYPRUS TRADING CO.LTD.

Sudan – Khartoum-Sinnar –Halfa- Kenana-Elginaid

March 2006 - October 2006

I take responsibility in a team work in the following

1. LAND LEVELING LASER SYSTEMS
2. MAINTENANCE OF VARIOUS TYPE OF TRACTORS
3. MAINTENANCE OF CANE HARVESTERS

MECHANICAL ENGINEER at
MUSTAFA EL ELSHEIKH TRADING CO.LTD

Sudan - Khartoum

April 2005 - February 2006

During that period i took responsibility in the following production lines:-

1. LAUNDRY &TOILET SOAP PLANT.
2. OIL MILLS AND OIL SEED PROCESSING .
3. POWDER DETERGENT PLANT.

I also participated in the erection of plastic equipment's, and the installation of new air compressor.

I also gained considerable experience in the area of maintaining & selections all types of pumps & and calculations of all pipe line in different plant

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EDUCATION

PMP

United Arab Emirates
Abu Dhabi February 2014
Update February 2017
Update February 2020

EFQM

EFQM Excellence Assessor
Sudan - Khartoum
May 2012

Update 2013
Update 2021
IN RECOGNITION OF SUCCESSFUL QUALIFICATION AS AN EFQM Excellence Assessor

MBA

MASTER OF BUSINESS ADMINSTRATION at University of Khartoum

Sudan - Khartoum

March 2010

I FINISHED 24 COURSES DURING THIS TWO YEARS STUDY

BSC Mechanical

Bachelor's degree / Mechanical Engineering at University of Khartoum

Sudan

November 2003

Second honor degree - division 2

(final research project was in (solar trackers design)

SKILLS

Spark System (Enterprise Architecture)	level : Beginner
Power bi (Microsoft power business intelligent)	Level : intermediate
PRIMAVERA(P6EPPM)	Level: Expert
MS Office, Windows Operating Systems,	Level: Intermediate
AUTOCAD	Level: Intermediate
Intellectual abilities	Level: Expert
Critical thinking and judgment	Level: Expert
High perception and decision making	Level: Expert
Self and technical leadership	Level: Expert
High communications skills	Level: Expert
Ability to deal with conflicts	Level: Expert
Ability to manage and deal with change and stresses	Level: Expert
Working with people from different cultures	Level: Expert
Excellent values and attitudes	Level: Expert
Abilities to learn	Level: Expert

LANGUAGES

Arabic	Level: Expert
English	Level: Expert

CERTIFICATIONS AND TRAINING

i. **Smart factory training**
   i. Issued in: July 2018
   ii. Expiry date: This certificate does not expire

ii. **EFQM Training certificates**
   iii. Issued in: July 2013-2017-2019-2020
   iv. Expiry date: This certificate does not expire

iii. **Business transformational fundamentals**
   v. Issued in: July 2018
   vi. Expiry date: This certificate does not expire

iv. **System engineering fundamentals**
   vii. Issued in: July 2019
   viii. Expiry date: This certificate does not expire

v. **INCOSE SEP CERTIFICATION ECAM PREPARATION**
   i. Issued in: July 2019
   ii. Expiry date: This certificate does not expire

vi. **MODEL BASED SYSTEMS ENGINEERING WITH SYSML**
   i. Issued in: July 2019
   ii. Expiry date: This certificate does not expire

vii. **PMI-PBA Certification Prep. Course**
   i. Issued in: April 2016
   ii. Expiry date: This certificate does not expire

viii. **Primavera project planner software course**
   i. Issued in: December 2010
   ii. Expiry date: This certificate does not expire

ix. **Refrigeration and Air conditioning program**
   i. Issued in: December 2010
   ii. Expiry date: This certificate does not expire

x. **Advance English Course**
   i. Issued in: July 2010
   ii. Expiry date: This certificate does not expire

xi. **O&M CERTIFICATE**

i. Issued in: May 2009

xii. **ELECTRICITY TRAINING CERTIFICATE** Issued in: December 2006

REFERENCES

Eng. Fathalrahman Ibrahim Elhaj Mahmoud

fathielhaj68@gmail .com

00249123008143

Manager of MASAD For Innovation and Entrepreneurship

25 years of experience(production, project management, R&D, innovation)

BSc Mechanical Engineer(khartoum university 1994)

MSc Mechanical Design(karary university 2000)

MBA(sudan international university 2015)

PMP(may 2019)

Consultant Engineer (Sudanese Engineer Council)