

Meshach O Osaretin M.ENG, CAPP, CASP, MNSE, R-COREN, PMP®

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Professional Summary

A solution driven mechanical engineer with over 14 over years of experience of collaborative successes and expertise in supply chain, industrial project and business operations management, leading teams and bridging gaps between cross-functional teams (onsite and remote). Having proven records in delivering multimillion dollar manufacturing, energy and industrial projects, on-time delivery, efficient budget and scope management to meet stakeholders' expectations and to achieve set business goals.

Education

MASTER OF ENGINEERING | JANUARY 2014 | UNIVERSITY OF NIGERIA, NSUKKA

- Mechanical Engineering (Design and Production Technology) CGPA: 4.67/5.0

BACHELOR OF ENGINEERING | JULY 2006 | UNIVERSITY OF NIGERIA, NSUKKA

- Mechanical Engineering (Manufacturing Engineering) CGPA: 3.18/5.0

Professional Certifications

- Project Management Professional (PMI-PMP) 2023
- Cummins Six Sigma Yellow Belt 2022
- Certified Advanced Procurement Professional (CAPP) 2022
- Certified Procurement Professional (CPP) 2022
- Certified Advanced Supply Chain Professional (CASP) 2022
- Certified Supply Chain Professional (CSP) 2022

Professional Membership

- Member of Australian Mining Electrical & Mining Mechanical Engineering Society 2023
- Certified Import Compliance Manager 2023
- Member Project Management Institute (PMI) 2023
- Member Council for the Regulation of Engineering in Nigeria (COREN) 2016
- Member of The Nigerian Society of Engineers (NSE) 2015
- Member Society of Petroleum Engineers (SPE) 2013

Recent Workshop and Training Attended

- Marketing Manager Journey 2023
- Planning and Distribution Management 2023
- Supply Chain Manager Journey 2023
- Scrum Team Member to Scrum Product Owner 2023
- Scrum Team Member to Scrum Master 2023
- Building and Training the Project Team 2022
- Cyflex 101 (Logos) 2022
- HumanTech Advanced Industrial Ergonomics Assessment Training 2022
- Operations Excellent Level 1 Awareness Certificate 2021
- Cummins Project Management Certificate QUA3900 2021

Experience

DEPUTY LEADER NIGERIA - CORPORATE SOCIAL RESPONSIBILITY | CUMMINS INC | JUNE 2022 - PRESENT

- Supports the business and community-involvement-team leadership in conceptualization, development and execution of initiatives and projects to meet needs in our partner communities.
- Saved over 70% cost through the recyclability initiatives as aligned to Cummins PLANET 2050 Strategy.
- Technical project lead for Cummins Water Works project in collaboration with WaterAid for Nigeria.
- Coordinate Cummins community-involve-team outreach to ensure 100% employee participation.
- Provides technical support to Cummins Technical Education for Community (TEC) partners.

MANUFACTURING ENGINEER | CUMMINS INC. | JUNE 2019 - PRESENT

Manufacturing Engineering Operations

- Champion and prioritize plant safety, ergonomics, lean manufacturing and continuous improvement actions drive operation excellence to achieve business goals.
- Responsible for power generator test data evaluation for compliance to Cummins and ISO standards.
- Ensures products manufacturing in compliance with Cummins and ISO standards right the first time.
- Lead actions that ensure equipment, PIVs and tools are available and capable for productions activities.
- Collaborate cross-functionally to obtain required support to drive operations to meet business goals.
- Responsible for plant mBOM accuracy and product change management on Oracle and Windchill.
- Support maintenance team in configuration of system hardware to allow for remote access by OEMs and stakeholders for machine diagnosis and maintenance tasks monitoring.
- Utilize skills in engineering methods and principles, design, mechanics, data analytic applications and structural 3D simulation knowledge to specify, predict and evaluate systems results in recommending process and systems improvement actions.
- Execute work measurement study to audit process efficiency to maximize process capabilities by using line balancing and standard work method templates where applicable.
- Co-led the installation of an 800kVA power generator automated assembly line.
- Coordinated design and setup assembly line workstation.

Nigeria Power System Business Unit – New Business Start-Up Project

- Collaborated with local and OEM partners on installation of automated power generator assembly line.
- Responsible for workstation ergonomics design, tooling and management.
- Responsible for the local vendors and offshore OEM suppliers management
- Redesign, fabrication, and installation of new inlet and exhaust air duct/filter assembly.
- Redesign of the test cell fire detection system and suppression hardware.
- Installation and commissioning of new Porter fire panel, fuel supply shut-off system integration, configuration with Cyflex test software and integration with central facility fire detection, suppression and control system.
- Participated in defining project requirements, schedule management and resource allocation with major stakeholders.
- Responsible for preparation of CAPEX project request for capital appropriation (RFAs).
- Collaborated with test cell and auxiliary equipment OEMs (SGS USA, Crestchic UK and SPIN UK) on verification and validation of revised test cell design and Cyflex software iterations through project life to ensure key compliance standard were met.

- Reviewed and analyzed test data to ensure compliance to Global Diesel Genset Test Standard and ISO 8525 Standards part 5 and part 6 requirements, respectively.
- Developed standard work method and work instructions documents and releasing them on Document Management System (DMS) platform.
- Co-lead and participate in problem solving and continuous improvement meetings such as FIRG.
- Applies knowledge of automated (PLCs, pneumatic, hydraulic and servo controlled) systems in supporting machine diagnosis by maintenance team to ensure reduced MTTR.

Key achievements: Test cell commissioning and utilization, deployment on internally fabricated engine prep supports, material-handling work trollies, and mobile platforms for work at height, deployment of remote adjustment tooling for power generator with manual voltage regulator and frequency to reduce fatigue, strains and discomfort that may occur.

LECTURER II | BENSON IDAHOSA UNIVERSITY | MARCH 2019 – MAY 2019

- Collaborated with faculty leadership/colleagues to improve teaching methods and expand our knowledge.
- Prepared and delivered lectures, tutorials, workshops, and seminars.
- Developed curricula/course materials and provided research support to students and other colleagues.

PLANT TECHNICAL OFFICER | PRESCO PLC | OCTOBER 2017 – APRIL 2019

- Fully responsible for packaging plants' end-to-end supply chain operations with thirteen direct reports, and direct reporting line to the factory manager.
- Managed production machines and PIVs' operation while meeting set safety index, machine uptime, production output and maintenance KPI targets.
- Managed packaging materials, finished goods, machine hand tools, and spare inventory on ERP software.
- Participated in S&OP meetings and actively collaborated with cross-functional teams – sales and marketing, logistics, project, HSE, maintenance and procurement teams respectively to ensure planned order fulfilment.
- Meet targeted throughput by using the voice of the customer to guide decisions that drives and improve performance, Targeted Cycle Time and Takt Time.
- Exceeded by implementing lean manufacturing and Six Sigma principles to drive continuous improvement.
- Consolidated 5s and Good Manufacturing Practices (GMPs) in compliance with global food quality and safety systems policies, procedures, and standards.
- Developed and released plant process documents such as flow charts, working instructions, TPM, and standard operating procedure documents respectively.
- Deployed standard problem-solving methods such as 7-Steps, A3, 5Whys and fishbone in root cause analysis.

PLANT SUPERVISOR | PRESCO PLC | FEBRUARY 2014 – OCTOBER 2017

Managed production and maintenance operation while collaborating with the functional heads to develop and implement quality control system, product and process standardization, plant HSE to reduce incident rate, increase plant OEE and OE to exceeding levels capable of meeting targeted business marketing demands.

Key Achievements

- Recorded zero percent incident for over a five years period of achieving production and market targets.
- Implementation of 5s and GM practices across process workstations to enhance operation efficiency and product quality.

- Developed and implemented total productive maintenance program to create a shared responsibility that encourages greater involvement of shop floor employees, and maximize production and operational efficiency, to increase productivity (increased uptime, reduced cycle times and eliminate defects).
- Involvement in process development to establish operational standards for production process, food packaging materials and handling, product recall management and document control system.

PROJECT TECHNICAL LEAD | PRESCO PLC | MAY 2013 – JANUARY 2014

- Co-lead automated edible oil manufacturing and packaging plant project of 30 tons capacity per day capacity with injection blow-molding machine, chain, roller and slat chain conveyors, screw compressors, chiller, cooling towers, film wrapping machines, centrifugal pumps, piping system, dual nozzle filler, palletizer, and label printers.
- Implemented and drive compliance to HSE policies applicable to manufacturing in food processing plant.
- Managed and commissioned FIFO raw materials and finished goods warehouse project, deployment and training of plant staff on the use of Warehouse Management System software.
- Technical lead for installation and commissioning of a Vickers Hoskins biomass boiler project with 30,000 kg/hr. steam generation capacity at 30-bar pressure.
- Directed the instrumentation and commissioning of fractionation plant project for palm olein processing.
- Developed process and operation documents, P&ID and 3D CAD model for capital projects.
- Supervised the assembling, installation, and commissioning of a Turbokraft 2.5MW steam turbine, surface condenser, cooling towers and vacuum ejector system in collaboration with equipment OEMs.

QUALITY CONTROL AND DEVELOPMENT ENGINEER | TOWER GROUP | MARCH 2010 – AUGUST 2012

- Managed eight production machines and fourteen direct reports.
- Achieved over 200% increased sales and market share by leading business transformation project on new product development, improved customer service and suppliers' improvement.
- Trained and enforced direct reports' compliance to HSE policies and good manufacturing practices (GMP).
- Co-led new manufacturing line setup, ergonomics and continuous improvement capital projects.
- Applied lean principles in redesigning production process for efficient resource optimization.
- Supervised operator machining and fabrication tasks of new jigs, fixtures and press machine tooling.
- Support the maintenance team in troubleshooting PLCs and hydro-pneumatic controlled press machines.
- Achieved over 300% production growth within a period of four months and reduced scrap production by over 95%.

PROJECT AND PROCUREMENT MANAGER | RAY ROYAL CONSTRUCTION | MARCH 2008 – FEBRUARY 2010

- Collaborated with engineers, surveyors and architects to determine specifications for construction projects.
- Negotiated contracts with external vendors to reach mutually profitable agreements.
- Led engagement with host communities and government agencies to obtain permits and licenses.
- Determined required resources (manpower, equipment and materials) from start to finish with attention to budgetary limitations.
- Supervised the work of laborers, drivers, mechanics etc. and gave them guidance when needed.
- Responsible for progress evaluation, stocks monitoring to timely handle inadequacies and prepared detailed reports.
- Ensured adherence to all health and safety standards and report issues following guidelines.

- Coordinated the assembly, installation, and commissioning of 90mtph Speed Craft drum mix asphalt plant.
- Developed standard operating procedure documents including process flowchart and operation work instructions.

INDUSTRIAL ATTACHE | TOWER GROUP | JUNE 2005 - NOVEMBER 2005

- Led ergonomics projects of redesigning production machines and conversion from manual to pneumatic operation modes.
- Led safety project for the installation of safety interlock photo-sense light curtain device on all mechanical press machines due to high incident rate, leading to loss of body members.
- Led process design project leading to over 300% production growth within a period of four months and reduced scrap production by over 95%.
- Responsible for the deployment of plant Total Productive Maintenance (TPM).
- Responsible for line production planning activities and machine shop operations.
- Responsible for the setting-up/configuration of 120 tons of mechanical and hydraulic press machines.
- Managed 8 production line machines and an operator staff of fourteen.
- Coordinated line machines' overhauling, proactive/preventive maintenance activities, and installation of new production line machines.

SKILLS AND CORE COMPETENCES

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| • Digital ALD Manufacturing | • Time Management |
| • Project Management | • Data Driven Decision Making |
| • Windchill / Oracle | • Technical Writing |
| • Lean Manufacturing | • Customer Service |
| • Maximo and Cognos Analytics | • Microsoft Office Suite |
| • 2D and 3D CAD modeling and simulation | • Power BI |
| • Microsoft Project | • Programmable Logic Controls (PLC) |
| • Stakeholders' management | • Hydraulic and Pneumatic Circuits respectively |
| • Creative and Critical Thinking | |

REFERENCE

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