

OGBODO EKENE PRAISE

Mechanical Engineer | Production & Operations | Quality & Process Improvement

+2347089662647 | ogbodoekene2@gmail.com | Lagos, Nigeria

PROFESSIONAL SUMMARY

Motivated and detail-oriented Mechanical Engineer with progressive experience in production operations, industrial maintenance, quality control, process supervision, and health & safety compliance across manufacturing and infrastructure environments. Proven ability to supervise large multi-disciplinary teams, enforce Standard Operating Procedures (SOPs), and drive process optimisation in high-output production settings. Experienced in technical inspection, material testing, preventive and corrective maintenance of mechanical systems, breakdown diagnosis and repair, and root cause analysis (RCA). A proactive problem-solver and collaborative team player with strong technical, analytical, and leadership skills, seeking to contribute to an engineering or graduate trainee role in a dynamic, forward-thinking organisation.

CORE COMPETENCIES

- Production Operations Management
- HSSE Compliance & Risk Assessment
- Preventive & Corrective Maintenance (PM/CM)
- Root Cause Analysis (RCA) & CAPA
- Standard Operating Procedures (SOPs)
- Process Optimisation
- Shift Coordination & Team Leadership
- Toolbox Talks & Safety Briefings
- Technical Inspection & Material Testing
- Technical Report Writing

WORK EXPERIENCE

Conveyor Maintenance Technician (Contract)

August 2026

MacDanie (Contractor), Nigerian Brewery | Lagos

- Maintained conveyor systems on a production line, carrying out routine checks and preventive maintenance to reduce breakdown risk.
- Responded promptly to conveyor breakdowns, diagnosing faults and restoring operation with minimal downtime.
- Worked on bearings, shafts, and related mechanical components, assisting with repair and replacement as part of the maintenance team.
- Maintained compliance with HSE procedures throughout all maintenance and repair activities.

Production Supervisor

January 2026 – August 2026

Rotic Aluminium Extrusion | Awka, Anambra State

- Supervised 50+ production floor personnel across five integrated process stages — extrusion, aging, pretreatment, powder coating, and packaging — ensuring seamless workflow continuity and daily production target attainment.
- Enforced HSE compliance across all production activities; led daily toolbox talks, hazard identification, and safety briefings to sustain a zero-incident production environment.
- Monitored equipment performance throughout extrusion and heat treatment cycles; coordinated preventive maintenance (PM) scheduling to minimise unplanned downtime and maximise asset reliability.
- Implemented SOPs across all process stages; led RCA investigations for anomalies and equipment failures, applying CAPA to eliminate recurrence and improve process stability.
- Tracked and reported daily KPIs — production output, scrap rates, equipment utilisation, and shift efficiency — escalating deviations with data-backed recommendations; coordinated shift handovers with full operational documentation.

Quality Control Engineer

2025 – 2026

China Harbour Engineering Company (CHEC) | Nigeria

- Executed material compliance testing (CBR, Marshall Stability, compaction, aggregate) ensuring all materials met design specifications and regulatory standards; prepared technical reports, documentations per ISO-compliant protocols.
- Conducted field inspections of pavement layers, drainage structures, and earthworks; identified specification deviations and coordinated corrective actions with site engineers.
- Participated in HSE audits, incident investigations, and risk assessments on active construction sites, reinforcing a strong safety culture.

Mechanical Engineering Intern — SIWES

2022

Akanu Ibiam International Airport | Enugu State

- Gained practical exposure to industrial mechanical systems — conveyor and baggage handling systems, HVAC units, power generation equipment, and rotating machinery — in a regulated operational facility.
- Participated in PM schedules for critical airport assets; assisted in fault diagnosis and corrective maintenance of electromechanical systems, applying thermodynamics and machine dynamics principles.
- Produced technical observation reports on equipment performance and maintenance findings under the supervision of licensed mechanical engineers.

EDUCATION

B.Eng. Mechanical Engineering

2017 – 2023

University of Nigeria, Nsukka (UNN) — Second Class Honours, Lower Division

UNDERGRADUATE PROJECTS

Final Year Project: Performance Optimisation of a Solar-Powered Solid Absorption Refrigeration System

- Conducted systematic optimisation and performance characterisation of an existing solar-driven solid absorption refrigeration system, performing thermodynamic analysis to improve energy efficiency and cooling output.

Palm Fibre-Reinforced Polyester Composite — Materials Testing & Characterisation

- Fabricated palm fibre and polyester resin composite specimens and evaluated mechanical and environmental performance under tensile strength, hardness, impact resistance, and corrosion resistance test conditions, applying composite materials engineering principles.

Sprocket Fabrication — Manufacturing Engineering Workshop

- Executed full sprocket fabrication sequence: geometric marking out, material shaping using hand tools, precision turning on lathe, milling operations, and gear teeth hardening via heat treatment — demonstrating proficiency in machining processes, manufacturing tolerances, and metallurgical principles.

CERTIFICATIONS

- NYSC Discharge Certificate — National Youth Service Corps, 2025
- Industrial Safety & Quality Control Training — Horebson Institute, 2024

TECHNICAL SKILLS

- Software: AutoCAD (basic), SPSS, Microsoft Office Suite (Word, Excel, PowerPoint)
- Quality & Safety Systems: QMS, ISO compliance, HSE frameworks, risk assessment

REFEREES

Available upon Request