

Koketso Mathekga

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Professional Summary

Performance-driven Plant Engineer with 4+ years of experience in production maintenance and asset management within fast-paced manufacturing environments. Demonstrated success as Maintenance Lead in the tile manufacturing environment, with solid understanding of both Electrical and Mechanical systems. Proven track record in plant reliability, team leadership, and continuous improvement initiatives. Holds a BEng in Electrical Engineering and a Government Certificate of Competency (GCC) (Factories)-awaiting government issuing. Adept at driving asset care programs, reducing equipment downtime, empowering cross-functional teams through training and executing departmental projects

Key Competencies

- Asset Care Strategy & Execution
- Maintenance Planning & Reliability Engineering
- Root Cause Analysis & Plant Optimization
- Contractor management
- CMMS (Shopware) , CAD
- Team Leadership and management, Goal Setting & Performance Reviews
- Budget management
- Safety Compliance (OHS Act, ISO Standards)
- Continuous improvement

Professional Experience

Maintenance Lead – Dipping Line and Inkjet (GMR2.7 appointee)

Johnson Tiles, Olifantsfontein | May 2024 – Present

- Managed two capital investment projects to upgrade printing and plant systems, improving process efficiency and reducing waste.

- Drive engineering and asset care strategies and managing spare parts stock levels and 24/7 technical support to production team.
- Daily monitoring of plant equipment (DB's, control panels, AC's, etc.) to ensure compliance with relevant regulations in the OHS act.
- Lead reliability efforts to improve uptime and quality through RCA and structured maintenance plans.
- Conducted performance reviews and goal-setting sessions with team members to maintain accountability and alignment.
- Conduct root cause analysis to prevent reoccurrence of costly breakdowns and report accordingly to engineering manager.
- Interacting with production, product development, quality and sales team to ensure smooth running of production and daily targets are met.

Assistant Maintenance Lead – Packaging & Sorting Line

Johnson Tiles, Olifantsfontein | Sep 2021 – Apr 2024

- Led packaging section operations, focusing on electrical maintenance and optimization of sorting, packaging, and palletizing machines.
- Developed and executed asset care schedules, ensuring engineering team adherence to preventive maintenance tasks.
- Conducted routine audits on equipment reliability, maintenance quality, critical assets, and compliance with legal and safety standards.
- Delivered technical support and leadership to artisans and operators on PLC-controlled equipment (including encoders and level sensors) and implemented plant modifications to improve efficiency whilst maintaining safety standards.
- Facilitated training needs analysis and skill development, building a cross-functional team capable of supporting all packaging systems.
- Monitored packaging line performance data and implemented corrective actions to improve reliability and throughput.
- Championed safety culture through regular audits and legal compliance as a GMR 2(7) appointee support and carried out 24/7 standby duties on alternating weeks.

Graduate Engineer – Electrical

Johnson Tiles, Olifantsfontein | Oct 2020 – Aug 2021

- Participated in plant expansion and packaging optimization projects.
- Assisted in the design and commissioning of electrical and dust extraction systems to improve plant compliance and safety.
- Supported preventive maintenance planning and reported reliability issues to senior engineers.

Education & Certifications

BEng Electrical Engineering

University of Pretoria | Dec 2019

Government Certificate of Competency (GCC) – Factories

Department of Employment and Labour | Jan 2025-awaiting certificate

Lean Six Sigma Yellow Belt

Lean6Sigma Academy | Jun 2023

Understanding and fulfilling the role of a GMR 2.1

Palucraft | Mar 2025

Notable Achievements

- Reduced packaging downtime by 18% through systematic RCA and operator engagement.
- Led packaging team training initiative that increased cross-skill coverage by 40%.
- Reduced line change duration- thus increasing production output.

References

Rishen Jagmohun

Engineering Manager

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