NOMONDE MHLUNGU

Global Principal Consultant | Asset Management & Operational Diagnostics | Study Manager

GLOBAL ASSET MANAGEMENT | RELIABILITY | OPERATIONS | CAPITAL PROJECTS EXECUTIVE

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EXECUTIVE SUMMARY

Executive asset management and operational diagnostics professional with experience spanning global mining, aluminium smelting, bulk water, manufacturing and industrial consulting. Advises executive and senior stakeholders on enterprise asset management frameworks, operational maturity, reliability governance and asset lifecycle value. Combines international assurance and framework architecture with SADC regional insights, capital portfolio governance and technical risk management. Experienced in aligning asset strategies, performance measures and digital systems with organisational objectives and operational capabilities.

EDUCATION AND CERTIFICATIONS

- **Master of Management in Technology & Innovation — The Da Vinci Institute**
- **Government Certificate of Competency (GCC Factories)**
- **Certified Senior Principal in Asset Management (CAMA)**
- **Certified Maintenance & Reliability Professional (CMRP)**
- **Project Management Professional (PMP)**
- **Lean Six Sigma Black Belt**

CORE COMPETENCIES AND TECHNICAL SKILLS

- Executive Advisory
- Asset Management Strategy
- Operational Diagnostics
- Asset Maturity Frameworks
- Strategic Peer Reviews
- Reliability Engineering
- Technical Governance
- Capital Project Governance
- Risk Management
- Stakeholder Engagement
- ISO 55000
- SAP PM
- IBM Maximo
- CMMS / ERP Systems
- Performance Analytics

PROFESSIONAL EXPERIENCE

Independent Executive Consultant | Asset Management & Operational Diagnostics

Independent | June 2026 – Present

Key focus: Short-term strategic peer reviews, SADC regional market insights, and technical asset management frameworks.

- **Strategic Advisory:** Provided high-level technical advisory and independent peer-review solutions focused on physical asset management systems and operational maturity frameworks for industrial clients in the SADC region.
- **Operational Diagnostics:** Conducted high-impact asset performance diagnostics to identify value-leakage, baseline current maintenance practices, and establish continuous improvement roadmaps.
- **Governance Consulting:** Advised client-side management on structural risk mitigation, technical training enablement, and alignment with international asset management standards (ISO 55000).

Global Principal: Asset Management

South32 Global | September 2023 – May 2026

- **Enterprise Asset Architecture:** Architected and governed the deployment of international enterprise asset management (EAM) maturity and reliability frameworks across complex underground mining, open-cast mining, smelting, and refining operations across four continents.
- **Executive Advisory:** Influenced and partnered with international executive leadership teams and regional senior stakeholders to drive strategic standardization and align corporate asset metrics with local execution capabilities.
- **Global Assurance Protocols:** Engineered and led cross-functional asset management assurance programs across multi-site global operations to enforce maintenance governance and asset integrity compliance.
- **Digital System Optimization:** Spearheaded global digital enablement strategies and operational diagnostics, optimizing complex CMMS/ERP execution models (SAP PM/IBM Maximo) to maximize workforce capability and asset lifecycle value.
- **Maintenance Planning Uplift:** Optimized work management governance models, expanding planned work ratios and maintenance execution schedule compliance across diverse operational portfolios.

Superintendent: Maintenance & Reliability Engineering

South32 Hillside Aluminium | May 2021 – August 2023

- **Strategic Technical Leadership:** Directed and provided total asset governance for the maintenance and reliability engineering functions of a world-scale, heavy industrial aluminum smelting operation.
- **Capital Portfolio Commissioning:** Governed, executed, and successfully commissioned sustaining capital project portfolios and plant performance upgrades from initial pre-feasibility planning to active operational integration.
- **Failure Elimination Frameworks:** Managed and facilitated advanced Root Cause Analysis (RCA) and Reliability-Centered Maintenance (RCM) programs to eliminate chronic, repeating plant failures on critical high-value assets.
- **Financial Stewardship:** Directed multi-million-rand annual operational maintenance budgets, implementing tight cost-control parameters and value-engineering protocols.
- **Outage & Partner Governance:** Oversaw complex shutdown planning, master scheduling execution, and rigorous post-outage review frameworks while managing key industrial contractors and service providers to ensure safety and quality standards.

Maintenance and Reliability Manager

Rand Water | January 2016 – January 2019

- **Operational Governance:** Commanded and provided high-level technical direction to multidisciplinary engineering, maintenance, and utility operations teams across critical provincial bulk water assets.
- **Reliability Engineering Uplift:** Championed Reliability-Centered Maintenance (RCM) implementation programs, successfully increasing systemic plant equipment reliability by 10%–15%.
- **Performance Analytics:** Institutionalized technical Key Performance Indicators (KPIs) and data-driven performance analytics to establish robust asset integrity tracking and risk-mitigated cost-control budgets.

Asset Care Engineer (Asset Management Consultant)

Pragma Africa | February 2014 – December 2015

- **Strategic Client Management:** Delivered technical asset management consulting solutions across mining, heavy manufacturing, and fast-moving consumer goods (FMCG) clients to unlock operational excellence targets.
- **Framework Design:** Developed and deployed specialized Asset Care Programs (ACP), customized preventive maintenance plans, and optimized tactical scheduling work routines for complex asset networks.

EARLY CAREER HISTORY (2005 – 2013)

- Reliability Engineer — AFRIPACK (Pty) Ltd | 2011 – 2013
- Maintenance Technician — Behr Engine Cooling (Pty) Ltd | 2007 – 2011
- Apprentice Electro-Mechanician — Transnet National Ports Authority | 2005 – 2007

REFERENCES

References available on request.