

PONO MOGOERA, PR ENG. LEAD PROCESS ENGINEER

Education

BSc (Hons) Chemical Engineering, University of Cape Town, 2003
Certificate, Management Advancement Program, Wits Business School, 2009
Certificate, Energy Management Systems, National Cleaner Production Centre, CSIR, 2019

Professional Affiliations

Professional Engineer: South Africa – Reg. no.20160131
Member: Southern African Institute of Mining and Metallurgy
Member: Mining & Metallurgical Managers Association

Summary of Experience

- Operations experience in the, operations of, a gold (tailings, CIL) plant, PGM concentrator plants, pilot plants, Chrome Spiral plants
- Experience in the modelling and simulation of metallurgical processes. Development and application of mass balancing and simulation tools;
- Use of PLC/Scada systems
- Installation, operation and calibration of on-line analysis equipment
- Process development for mining exploration projects including:
 - Test-work conduction and management (mineralogy, grindability testing, flowsheet development, variability testing, etc)
 - Project development and feasibility studies (plant design and costing)
 - Construction, commissioning and operations
- Nuclear experience as a process engineer in a project to development a nuclear fuel production facility
- Manufacturing and sales experience as a project sales engineer in an equipment (valves) manufacturing facility
- Senior management and food processing experience as engineering manager in a food processing facility



Relevant Experience

Mogoera Engineering, Director - Presently

Lead process consulting engineer (Erudite Projects and other various clients)

Lead process design engineer on a 325000ktpm concentrator plant expansion project (Erudite -ARM/Two Rivers Platinum)

Signatory on a Ni43-101 document for a graphite project in Madagascar (Erudite - Next Source);

Sub-contracted to manage a coal washing plant for a major colliery in Mpumalanga (Metanza- Canyon Coal);

Subcontracted to help optimise a powder plant in the Northwest (Assore);

Subcontracted to provide basic process design for primary mill bypass project for a major mining house (Erudite-Anglo Platinum);

Independent plant and metallurgical accounting audits for a major client (Metanza-Jubilee platinum)

Sub-contracted Coal Plant commissioning and management for a major client (Metanza - Canyon Coal)

Subcontracted to provide technical support on Energy Efficiency projects (Madikela Engineering Solutions)

Daybreak Farm, Senior Engineering Manager 2015-2018

Senior engineering manager in charge of two major food processing plants, reporting to technical executive

Planning of all maintenance, engineering and project activities and budgets

Management of maintenance, projects and environmental personnel

Edart Slurry Valves, Partner and Project sales Engineer 2014-2015

In charge of sales for large consignments (as opposed to single products);

Identifying and developing new business opportunities and clientele

Manufacturing production technical support

Metallicon Process Consulting, Process Engineer 2010-2015

Process consulting and plant optimisation projects (Masa Chrome, Nkomati, Elands, etc);

Mineral processing plants development and design (both Brownfields and Greenfields)

Pebble Bed Modular Reactor, Process Engineer 2006 2010

Provide processing support to the development of a nuclear fuel processing plant. Mass balance, equipment sizing, conducting testwork, preparing datasheets, writing reports

Anglo Platinum Graduate/Process Engineer 2004 - 2006

Plant operations. Production Support. Technical Support. Plant Surveys. Plant Mass Balances.

Troubleshooting. Pilot plant operations. Conducting testwork. writing reports

Professional Development

- Mineral Processing Research Unit (UCT): Introduction to Hydrometallurgy
Flotation Circuits Optimisation
- Anglo Platinum Research Center(ARC): Mineralogy
- University Of Pretoria (CEATUP): Introduction To Pyrometallurgy
Carbon Technology
Pump Design
Pipeline Design
- T.J Napier-Munn, JKMRM: Comparative Statistics & Experimental Design
- Anglo Platinum Research Center: Surface Chemistry
- Siemens: Introduction To Process Control

Languages

Setswana, English, Afrikaans, iSiZulu, Xhosa, Swati, Ndebele

Contacts

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