

For comments or queries contact the editor: zani.kutumela@palabora.co.za

Value Improving Practices

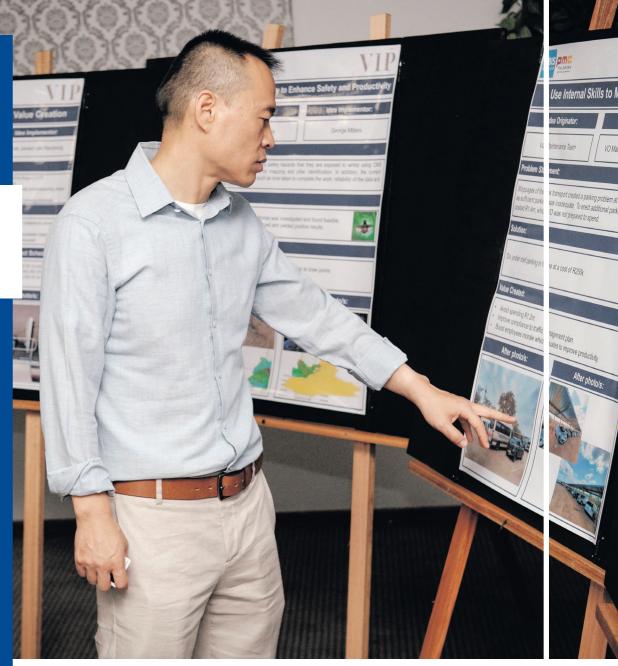
will extend life of mine by materializing employees' creative thoughts into tangible solutions

Creativity and innovation are qualities that can help improve operational performance, efficiency and contribute towards the sustainable growth of an organization.

Palabora Copper, has since its inception in 1956, earned a reputation of peak performance earning its status as a leader in the mining industry. Our CEO, Mr. Guangmin Wei has a sustainable solution to escalate the business profile and expand the life of mine. The implementation of the Value Improving Practices (VIP) Division is a heightened call by the CEO, for the workforce to join forces and collaborate for the greater good of PMC and its surrounding communities. Management must drive a workplace culture of accountability, where teams take ownership at an individual level, of their roles and responsibilities and commit themselves to execute beyond compliance or just the employer's expectations.

Aidan Schoonbee (Senior Project Manager Construction) has with the support of the business identified VIP champions that are strategically placed across the business, tasked to implement employee ideas with potential to resolve current and future challenges. The new division kicked off by hosting employees and the UNISA delegation for a career day at PMC and a colloquium at Cajori Hotel, a Knowledge Sharing platform, where sections presented their innovative solutions currently applied on site to enhance production and eliminate or reduce risk at PMC.

The joint venture with UNISA is a strong indicator that the CEO expects the instilling of a work culture that



Mr Wei - PMC CEO studying innovative solutions

The VIP team acknowledges and values the "know-how" of the elderly without formal learning within the business. PMC has for years observed, enjoyed and benefitted from their innovative contribution without documenting and publishing it. Their 'master' knowledge that has enabled us to outperform our competitors, will be documented and applied to modern studies because we believe it has potential to unleash unique and even industry first solutions.

promotes innovation and technical excellence from the entire workforce. Learning and the attainment of formal qualifications through a process of Recognition of Prior Learning (RPL) and formal studies will empower workers and boost employee morale. Moreover, it will enhance production, make the workplace safer and innovative through the application of well researched solutions. Continuous Knowledge Sharing forums will be used as a measuring tool to accentuate continuous improvement for the business to thrive on best practices.

"

"The future of PMC is not with me. It is in your hands. Through your collaborations you can keep the operations running for years and leave many legacies within the communities. Learn to acknowledge those amongst you with good ideas, at any level, and give them a chance to assist us resolve our challenges." CEO, Mr. Guangmin Wei

SEE SOMETHING! SAY SOMETHING AND SAVE SOMEONE!



Kedibone | ISSUE 27



There was no centralized platform where all projects can be tracked, information on

Before the Lift II cave reach Lift I we need to evacuate Lift I. Currently, cave propagation prediction relies on numerical modelling simulation

Worn out liners and liner bolts were causing major breakdowns in the plant leading to: ed funds required for eq Unplar

projects is not organized and it is difficult to have access at any time.

Solution:

Have historical information readily available and accessible at all time. To have a centralized dashboard where all projects can be tracked.

Value Created:

A centralized platform tracks the multiple projects, including visual dashboards with different key indicators relating to different projects The reports are readily available to the business at all times

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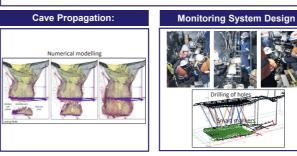
To evacuate Lift I in time we need to measure the progress of the Lift II cave propagation to Lift I.

Solution:

Transition to real time monitoring by using smart markers and slough meters

Value Created:

Preserve Lift I resource and maximise Lift II resource



- Instrumentation devices were malfunctioning.
 Safety of employees affected due to limited access to ablution facilities and fire fighting equipment.

Solution:

Stopped auto mills for 14 days to remove and replace the mill liners and bolts.

Used an external contractor to reline the mills to complete the work on time

Value Created:

- Plant availability was increased
- Plant performance and efficiency improved. Work was completed in 10 days vs. 14 days which was initially requested.

Before photo/s:

After photo/s:





Page 2 | The goal remains ZERO-HARM! Khumbul'ekhaya





PMC Attends the 2023 18th Annual SAIMM Student Colloquium

The Southern African Institute of Mining & Metallurgy (SAIMM) is a professional institute with local and international links aimed at assisting and empowering its members source information about technological developments in the mining, metallurgical and related sectors. With an aim to empower young professionals who are about to embark on their careers, in 2002, the institution introduced a Student Colloquium- a platform where the best Mining & Metallurgy final-year students and interns are afforded an opportunity to present their final year projects or projects conducted as part of their Graduate Development Program (GDP) to an audience of industry experts.

EDITORIA

On the 29th of September 2023, Limpopo SAIMM branch hosted its 2023 Student Colloquium at Lapeng Guest House in Burgersfort, Limpopo. Prospective authors nationwide, were invited to submit titles and abstracts no longer than 500 words in length under the topic **Impacting the Mining and Minerals industry as a Young Professional.**

Palabora Mining Company sent 5 diligent best performing young professionals from its pool of top

talent Metallurgy interns within the Training & Development Graduate Development Program. The team of 5 displayed exceptional commitment and professionalism presenting their groundbreaking innovative projects at the conference. Special thanks to PMC leaders: Mr. Eric Mualusi, Dr Robert Khumalo, Mr. Muxe Ndlovu and Mr. Solomon Ledwaba for their people orientated approach, seamless collaboration, and immense contribution for taking accountability and investing time to coaching and mentoring our team. Their efforts were not in vain as all 5 delivered beyond expectation and a huge congratulations to Mr. Kabelo Machaba for attaining second position in the best presenter category.

"The drive and dedication with which all 5 young professionals worked with towards their goal was beyond our expectations and their commitment has evidently brought them the best results despite the many obstacles that were in place and kept challenging themselves." Thabitha Moyana, Superintendent Learning Programs.

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Change is the only constant thing in the world

Any queries email me at zani.kutumela@palabora.co.za

1	Tony Mokalapa	Magnetic separation processing plant performance rebase-lining.	
2	Millicent Malungane	Dense Medium Separation (DMS) circuit optimization.	
3	Koketso Mahlane	Evaluation of sampling frequency for magnetite processing metallurgical accounting streams.	
4	Kabelo Machaba	Optimization of low-grade iron ore tailings reverse flotation by response surface methodology and desirability function analysis.	
5	Phumzile Hlungwani	Integration of magnetite processing plant 1 and magnetite processing plant 2 (HBF) for optimal dewatering process.	

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Improving Practices

PMC is RETHINKING its processes to improve performance by applying research backed methodologies











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