

Mining CSI

Local Economic Developments by Mines

Volume 24 • 2019



GWEDE MANTASHE

Minister of Mineral
Resources and Energy



ALSO IN THIS ISSUE:

ANGLOGOLD ASHANTI – Aligns to United Nations Agenda

UNIVERSAL COAL – Revamps Recreational Park for the Locals

AFRICAN SUN MINING – Service Offerings Profile

ENTSIKA – Investing in Technical Excellence

PAN AFRICAN RESOURCES – Small Enterprise Development Initiative

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Editor's Note

South Africa has once again made international headlines through what many believed to be xenophobic attacks and others stating as criminal activities in the capital city of Gauteng. The country has also been experiencing a rise in femicide issues which had led to community organisations and a range of different stakeholders taking to social media in an attempt to raise awareness around these issues with #AmINext, #ShutdownSandton etc. One cannot ignore the economic impact all these unfortunate situations are causing in our country and the Mining Industry.

It is not all gloom and doom as we once again showcase some of the most inspirational stories that are happening on our back yard. Universal Coal continues to break industry norms around CSI with the different initiatives that they are currently embarking on that focusses on education, entrepreneurship and poverty alleviation. It is heart-warming to experience the impact that the mining company is having on the community of Delmas, one household at a time. Another story of keen interest is that of our Minister Gwede Mantashe. He gives us insight in the government plans in the near future and allows us to understand the perspective of government with regards to regulation, transformation and social and labour plans. You can read more about this on page 6 of this issue.

Something that the team is looking forward to is the upcoming 7th edition of the Joburg Indaba which will be taking place on 2 & 3 October 2019 at the Inanda Club, Sandton. This event has positioned itself as a highly sought after and regarded as a must attend event in the calendar. This year it promises to bring together influential delegates from the public and private sector to debate and unpack different topics that affect all stakeholders in the Mining Fraternity. One topic that most people would like to see finalisation on is the new Mining Charter and new policies which will

bring certainty to the mining sector which in turn will attract more mining investment to South Africa.

It is always great to see Minerals Council South Africa putting so much energy to encourage the mining sector from the top, Ceo's level to take safety very seriously which means employees must always come back home safe. Minerals Council South Africa launched Khumbul'ekhaya, a CEO-led strategy on health and safety, developed and led by the Minerals Council CEO Zero Harm Forum.

Massive strides in improving employee safety and health in recent years have been possible through the collaborative efforts of employees and unions, the support of the Department of Mineral Resources and Energy, and mining companies. This campaign with the support of Department of Mineral Resources and Energy, labour organisations is highly welcomed and will go a long way in ensuring the safety of all employees in the mines, see page 20 on this initiative.

I hope you will enjoy paging through the magazine as I enjoyed compiling this one

Until the next publication, God Bless

Moses Sibiya

Moses Sibiya

Managing Editor



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AngloGold Ashanti aligns to United Nations agenda

The Global Compact Network South Africa (GCNSA) is part of the United Nations Global Compact, the world's largest corporate sustainability initiative. The core purpose of GCNSA is to bring the private sector to work together and with other stakeholders, to collectively respond to the national and global challenges of poverty, inequality and environmental degradation and to ensure that the country achieves these goals by 2030.

Kgomotso Tshaka, Vice President Sustainability at AngloGold Ashanti's South Africa Operations, was recently appointed to represent the mining company on the GCNSA Board of Directors. Government invited the GCNSA to work with the Office of the President in compiling a voluntary country report on the seventeen

Sustainable Development Goals (SDGs) and this report was presented to the rest of the world in New York in July.

AngloGold Ashanti was one of ten South African companies that participated in the Voluntary National Review (VNR) on the country's contribution to the Sustainable Development Goals in 2019.

AngloGold Ashanti's participation in the UN Global Compact is strongly aligned to the company's sustainability journey that begun in 2013 and Sustainability Framework which was approved in 2016 and further entrenched in its Sustainable Development Report 2018.

The SDGs that were adopted by 193 United Nations member states in 2015, are a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity. They are the first set of truly global goals, keeping both the developed and the developing world accountable to the same standards.

Tshaka said the GCNSA has been tasked to gauge which companies in the country have integrated the SDGs into their strategies and how they have

been performing against these goals. "It is critical that AngloGold Ashanti as a global company is aligned to the National Development Plan (NDP) and the SDGs, as well as articulating how it responds to the national

implementation plan and delivers to its immediate communities.

"An SDG toolkit was developed and launched along with a case study that detailed how AngloGold Ashanti set a new direction for the development of a strategic framework that integrates the SDGs through the business. This case study has been well received within the UN Global Compact member base and has set the pace and example for multi-stakeholder dialogues in the UNGC network," she said. "It was fitting for AngloGold Ashanti to participate in the VNR in partnership with government, firstly to showcase its good work and secondly, to elevate the profile of the company in the

AngloGold Ashanti was one of ten South African companies that participated in the Voluntary National Review on the country's contribution to the Sustainable Development Goals in 2019.



Kgomotso Tshaka, Vice President Sustainability at AngloGold Ashanti South Africa, and Board Member of the Global Compact Network South Africa, participates in a dialogue session at the United Nations Global Compact held in New York in July. The GCNSA is working with the South African government to collaborate with participant companies to ensure it has a concrete national implementation plan.

sustainability space at a global level.

“As a representative board member of the UN Global Compact, the approval to engage with the UN Global Compact Programme in New York was a fitting opportunity and it was an honour to carry the torch for the company and the UNGC in the various platforms that presented.”

AngloGold Ashanti also represented the UNGC local network’s Executive Director on a speaking platform and represented as a Ministerial delegate at a High-Level Political Forum on Sustainable Development, which was part of the high-level UN Economic and Social Council (ECOSOC) meetings. It was part of the Ministerial delegation accompanying the South African Minister of Tourism, Mmamoloko Kubayi-Ngubane, along with local insurance company Old Mutual, and participated in the minister’s presentation.

“We also received an invitation from Ambassador Mauro Vieira to attend a reception at the Embassy of Brazil, which proved to be a valuable networking opportunity. Another engagement was an invitation to the Annual Observance of UN International Nelson Mandela Day by the South African Ambassador to the UN where we were addressed by UN Secretary-General, António Guterres,” Tshaka said.

The GCNSA Chairperson is Nozipho January-Bardill, who is also the Chairperson for the Social, Ethics and



Members of the Global Compact Network South Africa present their Voluntary National Review together with the South African Minister of Tourism, Mmamoloko Kubayi-Ngubeni.

Sustainability Committee at AngloGold Ashanti. Dr Brian Chicksen, who retired from the company in March has remained on the GCNSA Board as an Independent Director.

“Having these two direct links to AngloGold Ashanti on the Board, emphasises the role that AngloGold Ashanti will play in achieving these goals. If we work in unison we can

create a country and world with an abundance of opportunities, and demonstrate responsible citizenship,” Tshaka said.

“The next steps post New York is to debrief and realign the GCNSAs strategy going forward. A focused drive by GCNSA to facilitate collaboration and partnerships on the SDGs is vital. There should be a heightened profile in the media on private sector performance and available platforms for companies to continue to engage and exchange ideas. The Compact Dialogues on the SDGs for strategic conversations and for learning, are ideal,” she said.

OBJECTIVE

The week-long programme was comprised of an Annual Local Network Forum with a key objective to further strengthen global local alignment and collaboration on one global culture with specific goals to:

- facilitate peer to peer learning, sharing and networking;
- share successful practices and address common challenges;
- strengthen the strategic positioning of the network with governments and the UN, and
- share network opportunities to collaborate on programmes.



Kgomotso Tshaka, Vice President Sustainability at AngloGold Ashanti South Africa; Mmamoloko Kubayi-Ngubeni, Minister of Tourism; Khayi Chaba from Old Mutual and Parks Tau, Deputy Minister of Cooperative Governance and Traditional Affairs (COGTA).

A portrait of Minister Gwede Mantashe, a Black man with a grey beard, wearing a dark suit, light blue shirt, and a patterned tie. He is looking directly at the camera with a slight smile.

A view on DMRE

Minister Gwede Mantashe

great challenges and laced with corruption; from declined prospecting rights, unprocessed applications and unexplained red-tape. Preliminary investigation showed backlogs in mining rights applications that stretch as far back as 2012. It also showed backlogs on applications for renewal of prospecting right that go as far back as 2010.

“It is important that we overcome this hurdle by ensuring that those with the legal permits and the means to mine can mine” he said. Among various considerations before the department is an audit of all applications, permits and mining rights. He had informed the team that his view is that applications should be dealt with in a chronological order, with frequent report back by Chief Directors, their respective Regional Managers and the Director General on their status. The Licensing Committee needs to meet regularly to process these applications. There have been discussions about various tools that will help speedup this process which includes electronic systems, something the department had in the past.

An investigation on the need to re-introduce, customize or find something similar to assist with this process has been identified because the facilitation of mining licenses must be done and support given to entrepreneurs not the connected. The Department of Mineral Resources and Energy (DMRE) announced in the first week of September that they had approved a mining right for Orion Minerals, paving the way for the development of a R4 billion copper-zinc project in the Northern Cape. One can certainly see that progress has been done on this issue. The minister is very active and makes time to visit communities and mines such as Chilwavhusiku in Bronkhorstspuit which is 100% black owned operation.

The department has a vision which has been themed “Vision 2030” and part of the Strategic Plan 2014/19 which clearly states that it plans to build an industry

President Cyril Ramaphosa recently made an announcement of merging two ministries into one and later appointing Mr. Gwede Mantashe (MP) as the Minister of Mineral Resources and Energy, a move that was welcomed by the management, staff and the industry as at large. This was testament to the full trust in the humble gentleman and his leadership capabilities. His primary role is to implement the mandate of government in growing these critical sectors of the economy which, he is responsible for regulating especially with regard to transformation, growth and development.

The past few years the department has had issues with delivering mining licences and he assured the industry that issuing of mining rights and the proper processing of applications for mining licences is amongst one of the department’s key priorities. As stated in the Budget Vote speech in parliament he explained that this aspect of their work is met with



that becomes “a leader in the transformation of South Africa through economic growth and sustainable development”.

Social and Labour Plans, commitments by the employers or mining companies which talks about effecting development for the people in mining communities, are critical for community development. Transformation and competitive growth will best serve the country when they happen in an environment of mining communities that feel and see the benefits of mining. These, therefore, means that the department needs to address serious issues of ownership and empowerment of communities, workers and black entrepreneurs. This way, it will address the participation of the historically disadvantaged. In addition to share ownership, issues of human development and procurement will have to be attended to in order for the sector to benefit all South Africans

It is important that the mining companies consult with the communities in developing the SLPs and once they are signed, unions and communities must monitor them. Another way that greater impact could be done is when companies pool resources together in order to make a more meaningful and visible impact in the development of communities to which they operate. To ensure that community development is undertaken in an integrated manner, the SLP projects should be aligned with the Integrated Development Plans (IDPs) of local municipalities to which the mining companies operate in. For example, you will find two or three mining companies in one area, each building its own clinic or school for the community, as opposed to the three companies coming together

and building sustainable institutions that are of high class quality in a community. The challenge, therefore, is that companies in working on these developmental issues must seek to work together rather than see themselves as competing over development projects in a community.

“We must build a globally competitive industry that is safe, productive and transformed. Workers should be treated with respect, be trained in the relevant skills needed, be able to influence decisions and their living conditions must be improved. The industry must be transformed in order to have black ownership, control and management. The department should play its proper regulatory role, fairly and with firmness. Both “Team DMR”, as a regulator, and the mining companies must develop and maintain relationships of respect and constant engagement with communities” the minister concluded.

It is important that we overcome this hurdle by ensuring that those with the legal permits and the means to mine can mine.

The Minister of Mineral Resources and Energy Mr Gwede Mantashe (MP) led a South African delegation of Government and business to the Annual Africa Down Under (ADU) conference which took place in Perth, Western Australia from the 4th – 6th September 2019. He was responsible for addressing the ADU delegates and hosts the South African Mining Investment Seminar under the theme “Investing in South Africa’s Mining Industry”.

The seminar was to do an update on South Africa’s investment climate and opportunities, as well as other relevant mining-related topics to confirm the country as a preferred investment destination for mining. Now is the time to ensure that our Mining Industry makes a visible difference in the community and creates a sustainable future for the next generation. ♦



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ZAMA NDAMANE

– CEO OF COPSERVE (PTY) LTD

a daily basis that Copserve employees are the most valuable asset of the company.

Amongst his priorities in his role as CEO has been the relentless drive to seek and grow new business for Copserve. A key attribute amongst others is the ability to deliver alignment with business operating

A key attribute amongst others is the ability to deliver alignment with business operating standards and policies.

standards and policies. Effective collaboration with peers and colleagues in Board, Finance & Procurement to drive supply partners in improving cost efficiencies or value-add service enhancements has been his forte during his tenure as Copserve CEO.

About Copserve

Copserve is a Level 1 BBBEE company which celebrated 8 years and 5 months of business trading at the end of August 2019. The company is 100% Black owned, Black controlled and has 51% majority holding by Uhai Gold who are themselves a 100% Black Women owned entity.

Our Services

Our uphold measurable and accountable service levels, most importantly coupled with a transparent procurement process that often leads to significant savings for our clients. Our service offering includes Cargo Distribution Services, Cargo Drawing Services, Crossborder Road Freight, Air Freight and Seafreight Services.

At Copserve we subscribe to our transport industry wide motto - Without Trucks South Africa Stops!

Cargo Office and Property Services (Pty) Ltd trading as Copserve is a Level 1 BBBEE Business Support Services Company with 135% empowering supplier procurement recognition. Management Control and Ownership is 100% Black with 51% Black Female Ownership. Copserve will be celebrating 9 years of its existence in business towards the end of the 2019/2020 Financial Year.

Meet the Copserve CEO

Zama Ndamane is an experienced Transport Logistics and Supply Chain Executive with more than 15 years of local and international experience in private and public sectors. His business track record includes working in various sectors including transport logistics, airfreight, roadfreight, seafreight and retail sector.

By his own reckoning Zama has a huge passion for the mentorship and development of Copserve employees. The unwavering commitment to client centric customer service is a constant reminder on

AFRICAN SUN MINING



*Mr Paul T. Khosolo,
Managing Director*



*Adv. Jonathan M. Leso,
Executive Director*

Who are we?

African Sun Mining (Pty) Ltd, is a proudly South African, 100% Black-Owned, top opencast mining contractor, established in 2011.

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- Mr Paul T. Khosolo – Managing Director and 50% Shareholder
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Miriam Makeba:

A Force

– A tribute by Nomfumdo Xaluva

As a Jazz Artist and aspiring academic, I feel extremely passionate about the role of women as contributors to the heritage and cultural repository of the South African Arts. My Masters dissertation was about the musical works of the late Mama Miriam Makeba. This study enabled me to research and engage with South African Jazz and its practitioners. Despite her rejection of the title “Jazz Singer”, Makeba seemed the obvious subject as not only was she the embodiment of Jazz singing through her influences of Ella Fitzgerald and Sarah Vaughn etc but she was ‘Africa’s first global star.’ Her repertoire encapsulated a period in South African history so poignantly underscored by Jazz.

Hers was a voice that found the ears of some of the world’s most influential leaders. An activist (by default), she carried with her a strong sense of African pride and resilience, constantly singing and speaking

truth to power about the apartheid atrocities she left back in South Africa while in forced exile. Here was a woman who, banned from her home country, went on to impact the global stage in ways her oppressors could never have imagined.

Have we as a country done enough to celebrate and cement this world icon’s contribution to our liberation?

10 years after her death, I ask myself: “Have we as a country done enough to celebrate and cement this world icon’s contribution to our liberation?” Through the lens of my observation, her legacy has been masterfully diluted to “Mama Africa” of the classic Pata Pata fame. Perhaps we are not ready to confront the reality of the powerful force that is an African Woman. Perhaps the thumb of patriarchy still hovers over their gains and untamable strength. Aluta Continua! ♦



ERADA Technology Alliance
founder, Dr Benji Pretorius

DE BEERS GROUP supports technology for

early detection of MALARIA

De Beers Group has provided a grant of €288,000 (R4 million) to a Limpopo-based company in South Africa which is developing groundbreaking technology focused on reducing the global malaria burden, especially in Africa.

ERADA Technology Alliance is pioneering work on the world's first ever saliva-based rapid test for diagnosing and identifying malaria, known as Saliva-based Malaria Asymptomatic and Asexual Rapid Test, to be marketed under the brand SALVA! - with the solution due to be launched globally during World Malaria Day in April 2020.

SALVA!'s innovative solution is easy to use and includes a simple device for standardised collection of saliva that can be performed in the community by healthcare professionals, teachers and parents, as opposed to invasive blood tests which must be administered by trained clinicians.

The funding forms part of De Beers Group's long-standing history of supporting community and health projects and forming strategic partnerships to improve the lives of mining communities. While the grant is focused on providing particular benefits

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GROUP OF COMPANIES

to communities in Africa, its impact stands to be worldwide in the fight against one of the deadliest diseases, which kills an estimated 435,000 people annually, mostly children from Sub-Saharan Africa under the age of five.

Gerrie Nortje, Venetia mine General Manager, said: "Mining and exploration operations face a number of unique challenges related to exposure to widespread diseases such as malaria, emergency medical care and in some cases, a lack of available health services. Our funding of a local business that has the potential to transform the lives of millions of people worldwide is a logical extension of De Beers Group's long history of supporting world and community health projects. We are proud to be playing a part in supporting the eradication of one the most pervasive and destructive diseases on the planet."

ERADA Technology Alliance founder Dr Benji Pretorius, said: "This generous grant from De Beers Group makes it possible for ERADA to complete much of our vital preparatory work before we conduct field trials and finalisation of commercialisation of SALVA! The introduction of SALVA! is going to play a major part in achieving effective diagnostic testing and surveillance; as well as prevention and treatment of this disease, and therefore will be a major catalyst in meeting the World Health Organisation's (WHO) 2030 target to reduce malaria incidence and mortality by 90%.

"Our vision is to bring to market as quickly as possible ERADA's SALVA! diagnostic tool in the belief that it will go on to save literally millions of lives in the future. De Beers Group's generous support is the foundation stone upon which we will make this vision a reality." ♦





From Right: Bongani (Project Architecture), Grobler (Ward Councillor) Thandi, (Appointed Local Construction Company) and Julian (Universal Coal).

Universal Coal

commits to revamp Kriel Recreational Park

The lives of the community members in Universal Coal's labour sending area, has once again improved. The mine has been engaged in different community projects throughout the years, and the latest one is the revamping of the Kriel Recreational Park.

The project was identified after community members raised the issue of increased criminal activities in the park due to dilapidated state of the

park. The risks to the youth and children in the areas were increasing on a daily bases. It was through stakeholder engagements that the project was identified and immediately a solution presented by the mining company where sod turning took place in June, attended by local municipality officials and the mine representatives.

The revamping work of Kriel Recreational Park will include fencing around the park, introducing an



Julian (Universal Coal); Mogorosi (Asst Manager Parks); Siyabulela (Chief Horticulurist Ga-Nala), Grobler (Ward Councillor from Local Emalahleni Local Municipality) and Mr Ntsoana.

access controlled gate and guard house, construction of ablution facilities, and suitable waste management facility onsite. Through these control measures, more people will have peaceful sleep knowing their children are safe and can enjoy recreational activities.

The project is also used as an opportunity to support local SMME's in the area by awarding a local supplier who in turn hires local unemployed people as labourers thereby creating jobs for local community members. It is hoped that the revamped recreational area will eliminate criminal activity that often occurs in the park due to lack of controlled access, and will also generate some revenue for the local municipality".

Universal Coal Sewing Project Bears Fruit

In line with Universal Coal Mine's Social Labour Plan, the mine established a sewing project in Delmas. This project is part of an intensive community transformation drive which has in the last few years witnessed the Universal Coal Mine making a serious inroads in empowering the Delmas community. The patrons of the project who had been undergoing training in running a sewing company graduated at the beginning of July.

Universal Coal Development I (Pty) Ltd

A total number of 10 students graduated at the colourful ceremony. The qualification obtained by the graduates after six months of SETA registered and accredited service provider. The students were drawn from across the sections of Delmas residents incorporating the normally marginalised from the farms. The beneficiaries have since established a cooperative called Ethetholino that seeks to manufacture and supply local schools with school Uniforms.

The guest of honour at the graduation ceremony was Kangala Colliery Mine Manager, Mr Petrie Erasmus together with Mr Thabo Motau. Victor Khanye Local Municipality was represented by Chief Whip Mr Vusi Buta. The sewing project is Motau's brainchild and he had been developing it since its conceptualisation. The graduation ceremony was held at Delmas FET College premises where the project is housed. The sewing project targets community members who are passionate about sewing. This is a welcome development in the wake of high unemployment in the country. ♦



Universal Coal GM, Petrie Erusmas, Jennifer Mohlabe
Universal Coal HR Manager, Representatives of Delmas Local
Municipality and Members of the Sewing Project.



Siyathemba Youth *tell their stories* THROUGH THE LENS

The art of telling stories through pictures, when done right, can often leave an ever-lasting impression on an audience. The famous image of a lifeless Hector Peterson, carried by a frantic Mbuyiso Makhubo in the aftermath of the Soweto uprising in 1976, is one such powerful example of how story-telling through the lens, can turn an event into a timeless moment in history.

It is this ability to evoke emotions, which prompted professional photographer, teacher and qualified attorney Kago Barnett (27) to follow her passion for

photography. Barnett collaborated with Kumba Iron Ore to present a photography workshop for the youth in Kathu and Siyathemba, as part of commemorating youth month. The workshop was hosted on June 28, 2019 at the Siyathemba Youth Centre.

The initiative was aimed to introduce photography, as not only an art, but also another avenue in which the unemployed youth of Siyathemba and surrounding areas could be able to generate an income and create a livelihood. The workshop attracted 15 unemployed youth from Kathu and Siyathemba, of which eleven



were female. Kumba supplied the young participants in the workshop with 15 state of the art cameras with the aim to empower them with photography skills, that will present an opportunity to explore and create alternative income opportunities as well as entrepreneurial opportunities.

"The idea to impart photography skills came from the desire to popularise the idea of photography in the area among the youth and particularly women. The other idea was to fill a gap that is not catered for by the institutions of higher learning, whereby I am able to impart skills and training to the youth in the area (Siyathemba and Kathu)," Barnett said.

For the residents of Siyathemba and the outside world, such a programme is important, as it will assist to capture the transition that residents from Dingleton make and document life at the newly formed township of Siyathemba.

Siyathemba and Kathu lie within the Kalahari region, a semi desert that straddles the Orange River valleys and the various iron ore mining operations within the region.

"Our location provides an opportunity for the various forms of photography; from landscaping, nature and wildlife, as well as events including corporate and entertainment. The participants in the workshop can also branch out into photojournalism and be employed by any newspapers," Barnett said.

For Nonhlakanipho Malinga (27), a volunteer for



LoveLife in Siyathemba, the workshop presented an opportunity that she never thought existed before and was an area that she was open to exploring.

"I found the workshop was very helpful, in that it clarified some elements about photography, the various aspects of the work of a photographer, and how one can make a living out of it," Malinga said.

Leozel van der Westhuizen, another participant in the workshop, confirmed that the exposure into the world of photography presented a "wonderful experience" that inspired her to take forward.

The initiative was aimed to introduce photography, as not only an art, but also another avenue in which the unemployed youth of Siyathemba and surrounding areas could be able to generate an income and create a livelihood.

"People see things differently, and photography is about taking different perspectives and sharing them with the rest of the public. One can make a career out of it, and it can empower me to be more able to sustain myself," van der Westhuizen said.

In handing over the cameras to the youth, Dr George Maluleke, Kumba's General Manager: Projects, spoke profoundly about Sam Nzima, the photographer who took the famous Hector Peterson picture on 16 June 1976. For him the picture told a powerful story of the uprisings and got the world talking and it is still a point of reference even today. He encouraged the youth about the power of photography and opportunities thereof.

"The youth are the catalysts and enablers of economic growth. As Anglo American Kumba Iron Ore, we consider this initiative of empowering the youth means developing a generation of future leaders and entrepreneurs who will create opportunities for growth for others," Dr Maluleke said. ♦



TICAD 7:

JAPAN, SOUTH AFRICA AND THE AFRICAN DEVELOPMENT BANK

unveil priorities to accelerate Africa's
technology transformation journey

Yokoyama, Japan – Science, technology and innovation as well as human resource development are critical in Africa, a continent, which has the biggest potential on earth, Prime Minister Shinzo Abe said at the Science and Technology in Society (STS) forum held in Yokohama, during August 2019, as part of TICAD 7.

The Science and Technology in Society forum (STS forum) is one of the largest and most influential nonprofit organizations established in 2004 by Mr. Koji Omi, a former Japanese Minister of Finance. The Forum aims at strengthening cooperation between Japan and Africa in science, technology, and innovation.

In his address, Prime Minister Abe also noted the important role that science and technology played in the history of Japan's modernisation.

In attendance were President of the Republic of South Africa, Cyril Ramaphosa, Akinwumi Adesina, president of the African Development Bank Group, Koji Omi, founder and chairman of the STS forum, and Asako Omi, member of Japan's House of Representatives.

"South Africa endorses the focus on science, technology, and innovation as a priority theme for TICAD 7, given its great potential to accelerate

African development through mutually beneficial partnerships with Japan, President Ramaphosa told participants.

"The STS forum has successfully changed global discourse on the role of science in development, we seek the forum's support in changing the discourse on the role of Africa in science and innovation," Ramaphosa concluded.

Adesina shared insights on the Bank's work and support to train and develop the next generation of scientists. Since 2005 the Bank has provided financing of over \$2 billion to support education, resulting in educational opportunities for 6 million students.

South Africa endorses the focus on science, technology, and innovation as a priority theme for TICAD 7, given its great potential to accelerate African development through mutually beneficial partnerships with Japan, President Ramaphosa told participants.

"We are proud of our investment in supporting the establishment of the Regional Center of Excellence in Kigali in conjunction with the Carnegie Mellon University, which is providing world-class Masters degree training in ICT. I am delighted that all the students that have graduated from the university have 100% employment, including setting up their businesses," Adesina said in his keynote remarks.

The Bank has supported the establishment of ICT digital parks in Senegal and Cape Verde and is working with the Rockefeller Foundation, Microsoft, Facebook, LinkedIn and Safaricom to establish coding centers in several countries.

Adesina offered some key areas to prioritize in science and technology, including the establishment of regional centers of excellence; the urgent need to increase the share of GDP devoted to science and technology and close the gender gap in higher education.

"Let's be visionary. Let's be bold. Let's support concrete initiatives to boost science, technology, and innovation in Africa," he concluded.

Ministers for Science and Technology, Ambassadors, executives of international and national Agencies and business in Africa and Japan attended the Forum. ♦



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The Minerals Council launches **Khumbul'ekhaya**



On 1 October 2019, the Minerals Council South Africa launched Khumbul'ekhaya, a CEO-led strategy on health and safety, developed and led by the Minerals Council CEO Zero Harm Forum.

"Khumbul'ekhaya is the Nguni word for 'remember home' - we recognise that fatalities have the greatest impacts on loved ones at home," says Dr Sizwe Phakathi, Head: Safety and Sustainable Development at the Minerals Council.

"Khumbul'ekhaya is a 'rallying cry' for a step-change in safety and health performance, driven at the highest

levels of the mining industry, to sustain the mining industry's pursuit of zero harm. CEOs are united in agreement that health and safety starts with them and that safety and health are equally important".

Massive strides in improving employee safety and health in recent years have been possible through the collaborative efforts of employees and unions, the support of the Department of Mineral Resources and Energy, and mining companies.

As a result, the mining industry experienced an 87% decline in fatalities in the 25 years from 1993 to

2018. However, a sudden increase in 2017 – the first regression in 10 years – highlighted the need for further work to be done by all stakeholders to improve health and safety measures in mining. Dr Sizwe Phakathi says, “We came to the realisation that simply intensifying our existing efforts was not going to achieve the step-change we needed”.

The deterioration in performance that began in 2017 prompted the Minerals Council Board to initiate a number of measures to urgently address this trend, largely through the CEO Zero Harm Forum, including intense scrutiny of the major causes of accidents, fundamental research through the Mine Health and Safety Council (MHSC) and the launch of the National Day of Safety and Health in Mining 2018.

Greater awareness of safety and health has led to a 10% improvement in the number of fatalities in 2018 and the lowest number of fatalities recorded in the first half of 2019.

Massive strides in improving employee safety and health in recent years have been possible through the collaborative efforts of employees and unions, the support of the Department of Mineral Resources and Energy, and mining companies.

Following further introspection amongst mining CEOs, the notion was raised that in order to accelerate the industry’s achievement of zero harm, not only is a step-change in health and safety required, but also, deeper leadership engagement by CEOs.

In acknowledgement of this, the CEO Zero Harm Forum hosted a health and safety event, called “Heartfelt Conversations”, in January 2019. The aim of this discussion was to clarify the personal role that CEOs have in improving regressive or plateauing safety performance.

The “Heartfelt Conversations” session was attended by 34 CEOs, including relevant executives and four office-bearers, and was facilitated by a renowned industry health and safety expert and a highly experienced mediator and arbitrator.

The CEO discussions were open and honest and addressed the importance of CEO and senior management visibility, sharing best practice, and encouraging openness in reporting.

Khumbul'ekhaya has four critical drivers:

- The industry’s continued commitment to zero harm.
- A step-change priority for 2019/20 is the elimination of fatalities, which the Minerals Council believes requires a two-year focus on the elimination of fatalities as a result of both safety and health incidents. This includes a deliberate strategy to broadening the focus to include health-related fatalities during and beyond employment.
- Adopting a holistic approach, because fatalities are often the result of a complex set of circumstances.
- Learning from incidents, from each other and from other industries.

As part of a holistic approach, Khumbul'ekhaya is complimentary to and supportive of existing initiatives in place, especially the work being undertaken by the MHSC, the MOSH learning hub, and the Mandela Mining Precinct.

“Khumbul'ekhaya is a recognition by the mining industry that a step-change is needed to achieve zero harm and to ensure that every mineworker returns home unharmed, every day,” concludes Dr Phakathi.

While October 2019 is our national month of safety and health in mining, companies and mines will be rolling out the Khumbul'ekhaya initiative over the coming weeks and months. ♦

Barberton Mines

*has broken new ground
by introducing the*

Small Enterprise Development Programme (SEDP)



Barberton Mines, a Pan African Resources' (PAR) flagship gold operation and the birthplace of BIOX® ('Biological Oxidation'), has broken new ground by introducing the Small Enterprise Development Programme (SEDP), in response to high levels of local unemployment and community demands for job opportunities.

Almost 45% of the local population of 80,000 in the Barberton area is unemployed, 70% of which is youth between the ages of 14 and 35. With a limited number of positions to fill each year at the mine, BML is unable to accommodate the thousands of community members seeking employment.

Fortunately, working for the mine directly is not the only way to earn a living in Barberton. According to the South African Chamber of Mines, 'for every direct mining job, a further two indirect jobs are created in downstream and support industries,' which means an estimated 5,000 indirect jobs are created by providing products and services to Barberton Mine.

The mine also contributes to economic development in adjacent communities by driving induced employment (jobs created by mine employees and contractors spending locally on food, housing and services), in addition to supporting local economic development projects, community programmes and infrastructure investments.

Barberton Mines conducted an analysis of local employment opportunities prior to launching the programme and identified mining, tourism, agriculture & forestry, construction and community-based services as priority sectors. In late 2018, SEDP was launched with a parallel focus on community-based enterprises serving the mine (vendors) and local companies that plan to sell

products and services to the community or target other industries.

Given the volatility of South Africa's economy and industry instability, SEDP has prioritised education for business owners about the importance of diversifying their income sources, rather than focusing on only one client. "The communities of Kimberley and Welkom learnt the hard way after building their livelihood around the mines in the area. We must learn from such case studies and build our businesses to be sustainable even beyond the mines," said Norman Hartman, Head of Local Economic Development - Barberton Mines Limited.

***The goal is for Barberton Mines to support
and develop 100 local enterprises over
the next five years.***

Community-based business owners worked together with Barberton Mines to develop an action plan, including a four-step Growth & Maturity Model and also to set a clearly defined objective: To assist and grow local, black-owned enterprises in the community and to direct the mine's procurement spend for required products and services to the qualifying community-based enterprises, rather than suppliers and service providers based in other regions.

Participation is open to all community members who meet the requirements below and terms and conditions are agreed upon by all applicants:

- Goods or service providers with an annual turnover of less than R3,000,000 (year 1 requirement only);
- Minimum 51% owned by historically disadvantaged South Africans;
- Must manufacture products within an 80 km radius of the mine (including labour sending areas);

- No agents representing a third party will qualify, as the focus is on local employment creation;
- Once the marketing of the businesses commence, members are required to pay a nominal monthly membership fee to demonstrate their commitment to the programme.

Since the beginning of the project in late 2018, over 100 companies have applied to participate in the SEDP,



SEDP Participant - Mom & Pap Deli Shop to open at New Consort Mine in 2019

"The SEDP has helped me a lot, I have in the past tried to sell but encountered issues. I have now learnt where I made mistakes. This has always been my dream and passion. Being a businesswoman is the only thing I have ever wanted in life. The Programme has opened my mind and taught me how to run my business smoothly without being depressed. Now I have a spear to fight my battle with – I am ready."



SEDP Participant - Umjindi Primary Sewing Co-op providing protective clothes to Barberton Mine

"We love the Programme because it has opened our eyes on how to run our business finances properly. Before we did not know how to write a business plan, draft invoices and quotations, but now we know. It has assisted us in marketing our business and teaches us ways of finding new business and funds to help increase and grow our business. We are very thankful to be part of the Programme and now we always look forward to a new day in our business."

70 of whom have successfully enrolled. The Barberton Mines team works closely with each applicant to develop and revise their individual business plans. If potential exists to provide services/products to the mine, then the company is enrolled in the programme and included on the "Local Community-based Business" vendor list used by the BML procurement department.

The goal is for Barberton Mines to support and develop 100 local enterprises over the next five years. Assuming each enterprise employs on average five employees, this equates to 500 employment opportunities. If each breadwinner is assumed to support 10 dependants, then this programme can positively impact 5000 lives within the surrounding communities.

While South Africa has a host of government-led and NGO institutions who profess to assist with start-up capital, accessing these funds proves to be challenging. To overcome this obstacle, the Barberton team met with key contacts and successfully established formal business relationships with First National Bank (FNB), the National Empowerment Fund (NEF) and the Small Enterprise Finance Agency (SEFA) – and the good news is that the first round of SEDP participants have just submitted their funding applications.

We will continue our drive to collaborate with like-minded stakeholders (nationally and internally), with the objective of creating an even brighter future for Barberton. For more information about the SEDP program and other BML activities, please join our Facebook group (<https://www.facebook.com/groups/BarbertonMines/>). ♦



SEDP Participant - Sello Mazzy Trading (SMT) providing security services for outlying mine infrastructure

"We as SMT (Pty) Ltd have learnt many business skills through this project. We are now confident that our business will grow in the right way. The SEDP is a successful programme and we hope to grow bigger and bigger."

Entsika –

making a difference by investing in
technical excellence



Entsika Consulting Services (Pty) Ltd (hereafter referred to as “Entsika”) is a level 1 BBBEE contributor and is a black owned and managed business. It was founded by professionals with extensive experience in plant infrastructure asset management (maintenance management), consulting, internal audit, training & skills development, enterprise development as well as engineering & construction.

Entsika has delivered on various large projects at both Local and National level, such as waste & fresh water equipment maintenance, asset and infrastructure management projects, water conservation and water demand Green and Blue Drop, water quality management, process improvements projects, installation & equipping boreholes. These successful projects were done with organisations such as Department of Public Works, Department of Rural Development & Land Reform, Department of Social Development, Rand Water, Ekurhuleni

Water Care Company (ERWAT), to name a few.

Entsika’s technical excellence success hinges on its people. The company employs more than 60 field-proven experts in the asset management (maintenance management), engineering & construction division that comprise of mechanical, electrical and civil engineers, as well as qualified artisans. In conjunction with TVET colleges, its training programmes develops and qualifies a growing pool of fitter and turners, electricians, and instrumentation specialists, supported by semi-skilled and assistant workers who are being mentored to grow into any one of these fields.

The asset and infrastructure management side of the business is undergoing rapid expansion, with a niche focus on the water, wastewater, mining and power sectors. Central to Entsika’s future growth strategy is the expansion of its engineering & construction division. The company is currently graded as an 8MEPE, 5EPPE, 6CEPE, and 1GBPE contractor in terms of the Construction Industry

Development Board (CIDB) system. The business, in all areas, serves the Southern African region, both for private and public sector clients.

Entsika would like to be amongst the leaders within the industry in both the private and public sectors through various business opportunities and partnerships so that they can be able to expand more within the municipalities, mining and power sectors.

The company is setting its sights and focusses on mining companies and organisations to assist them to meet their challenging situations that they are currently experiencing in terms of managing their aging infrastructure assets, such as water treatment plants and their associated equipment and or components, conveyor systems, in terms of mechanical, electrical and instrumentation disciplines as well as roads and roadway structures, water canals in terms of civil technical discipline.

Infrastructure such as electricity equipment, steel structures, water treatment systems are aging, and maintenance of these infrastructure should be placed as a high priority on the strategic and operational plans of mining companies and organisations because it is the key to sustainable development and economic growth within the country. The benefits of infrastructure maintenance are as follows:

- keeps infrastructure operational and delivering services.
- creates sustainable jobs.
- saves costs in the long term, and often in the short term as well.
- will ensure that more funds for new infrastructure will be available in the future.

Entsika, in partnership with key Original Equipment Manufacturers (OEM'S) that include Xylem, a leading US based multinational, installs and services the OEM's pump systems, including their associated equipment and or components for both public and private sector clients in the water and wastewater segments.

We provide asset management services that are tailor-made in collaboration with our clients across all industry sectors, and assist them to:

- Maximise operational availability and reliability, through the application and execution of sustainable Asset Management practices.
- Identify, review and develop asset management strategies, plans, processes and practices and implement them organisation-wide to achieve maximum long-term operational availability and reliability.
- Review and optimise the management of assets in line with operational objectives and targets.
- We believe that effective and efficient asset maintenance execution is one of the tools to optimise operations without compromising safety, health, environment and quality of the organisation.

Its maintenance team has the capacity to meet the asset maintenance needs of any client. Services include the following:

- Asset maintenance planning and scheduling of preventative, corrective and predictive (condition based) maintenance tasks.
- Asset maintenance execution in terms of servicing, repairs and refurbishment of mechanical, electrical and

It was founded by professionals with extensive experience in plant infrastructure asset management (maintenance management), consulting, internal audit, training & skills development, enterprise development as well as engineering & construction.

instrumentation equipment and machinery, including facilities maintenance.

- Asset maintenance spare parts and inventory management.
- Development of asset maintenance strategies and plans.
- Refurbishment of equipment and machinery, such as pumps, motors, valves, gearboxes, to name a few.
- Performance monitoring & reporting (i.e. KPA's / KPI's).
- Safety management in terms of the Occupational Health & Safety Act requirements.

The company provides a comprehensive, full-service package to asset owners that allow them to fully or partly outsource the maintenance of their assets. Furthermore, the company also collaborates and partners with other likeminded service providers such as the likes of Electrical and Pump Centre, that possesses excellent technical skills in the repairs of pumps, motors and gearboxes amongst others, using advanced designs and modern techniques.

Entsika's engineering and construction division provides





a wide range of mechanical, electrical, instrumentation and civil engineering as well as construction services across all industry sectors. These include:

- Mechanical, electrical, instrumentation and civil engineering services which includes the design, supply, installation, construction and commissioning of plant equipment and machinery, including the provision of technical assistance to client staff.
- Civil works which includes the construction, upgrading and rehabilitation of roads, storm water infrastructure, paving of streets, bridge construction including mass earthworks and geotechnical surveys.
- General building works which includes foundation and geotechnical works, various brick works, concrete works, paving, roofing, and plumbing works associated with residential and commercial buildings.
- Re-engineering and refurbishment of equipment, machinery and facilities.
- Project management services on any turnkey engineering and construction projects, including feasibility studies, project scoping, planning and scheduling as well as material procurement and quality management, just to name a few.

Furthermore, Entsika in partnership with South

African Mining & Engineering Supplies, provides a product named MINCRETE-S³ as an alternative solution to your existing and or new civil infrastructure works, where clients can reduce their SHOTCRETE application by half with MINCRETE-S³. This product can be used for sealing of existing waterways, roadway structures, water canals and damage associated with water flow for instance.

Some of the key features of MINCRETE-S³ are as follows:

- Minecrete-s³ is a super strong shortcrete with excellent bond and water permeability characteristics.
- Minecrete-s³ is a quick cure product achieving up to 70% of its total strength after one day.
- Minecrete-s³ is a 100% water sealing product.

- Minecrete-s³ has excellent energy absorption strengths of 915J in 24 hours for ground movement.

In conclusion, proper maintenance of infrastructure is critical to the long life and safe operation of your equipment and Entsika is readily available to make a difference by providing the mining sector with a comprehensive infrastructure maintenance proposal that will impact positively towards production targets, which will be optimally delivered, without compromising on safety, health, environment and quality of the assets and or plant.

Entsika membership and accreditations:



Entsika is partnering with:



ENTSIKA FOUNDATION

Through the Entsika Foundation, the group is committed to rebuilding and developing South African society and making a long-lasting impact. These initiatives include community development by providing mentorship programmes and supporting young people to become great leaders. Entsika strives to contribute towards alleviating poverty in the country and making a long-lasting difference, hence we embrace social development, not because we are compelled to, rather because we are driven by a desire to make a difference!

This entails:

- The education of children with disabilities
- Youth development through awarding of bursaries and mentorship programmes
- Providing school uniforms to disadvantaged learners
- Building schools in previously disadvantaged areas
- Providing food security for child headed families and the impoverished in rural areas and townships. ♦

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Mining leaders discussed

digital transformation

at 5th Natural Resources Forum
hosted by Dassault Systèmes

Digital transformation in the mining industry is not a dream for a distant tomorrow, but a reality that every customer can define for their current operations. This is the message from Raoul Jacquand, CEO of the GEOVIA application from Dassault Systèmes. Jacquand delivered presentation entitled 'Digital Transformation in Mining' at the 5th Annual Natural Resources Forum hosted by the French software leader at The Michelangelo Hotel in Sandton during September.

"It is really at the fingertips of everyone. It is already in the making. We are no longer talking about a vision. We are talking about a reality." This is reflected in the tenor of the forum itself, which has seen its profile evolve to include major mining customers as partners.

"It is not just us trying to convince the mining industry. We now have industry leaders as speakers, which is much more powerful. We see ourselves as a facilitator of these conversations," Jacquand notes.

High-profile speakers at this year's forum include Brian Chiomba, Principal Business Process Integration, Debswana; Freddie Breed,

Dassault CEO, Raoul Jacquand

Senior Mining Engineer, De Beers; Giel Marais, Senior Automation and Information Manager, De Beers; Gargi Mishra, Principle Consultant – Digital Mine, Hatch; Waylin Peddie, Technology Consulting Associate Manager, Accenture; Trevor Garden, CEO, Evolve Mining; and Alex Fenn, Head of Innovation, Sibanye Stillwater.

Now its fifth year, the forum was established due to the realisation that there was a community of stakeholders in South Africa interested in the convergence of technological trends and the mining sector, which is undergoing massive transformation.

Dassault Systèmes saw this as an opportunity to establish the forum, aimed at being inclusive in attracting speakers from across the board, informative in delivering the latest technological insights, and also interactive due to the high-level networking and dialogue opportunities. "It has grown in size every year since its inception, which we see as a sign of its adoption by the community," Jacquand highlights.

"The 3DEXPERIENCE® platform allows our clients to benefit from digitalisation and, more broadly, from digital transformation, at the pace that fits their own constraints. The platform offers a unique combination of collaborative and scientific and engineering tools, and remains very open to the ecosystem of existing applications deployed in the field. As a result, our customers can freely determine the speed at which they want to create a holistic, 3D-based single version of the 'truth' – what we call the 3DEXPERIENCE® Twin of the Mine – while capturing the knowledge and know how they have accumulated in their legacy systems," Jacquand concludes. ♦



ENVIRONMENTAL SUSTAINABILITY

and the Mining Industry

Bernard Swanepoel



Growing pressure from external stakeholders, including Government, communities, investors, environmental organisations and even consumers, means that mining companies have no choice but to implement sustainable business practices and reduce the impact of mining on the environment throughout the entire lifecycle of the mine.

On 11th September a breakfast session in Johannesburg was addressed by leading experts on best practices, what it takes to mine responsibly and what to consider when evaluating the sustainability of a mining project. The main event, The Joburg Indaba, takes place on 3-4 October 2018 at the Inanda Polo Club Johannesburg www.joburgindaba.com.

In his keynote address, Marius Keet, Chief Director: Water Quality Regulation, Department of Human Settlements, Water & Sanitation, set the tone for the session by providing a concise picture of the current state of water quality in SA: "Everyone knows water quality is a development issue affecting social, economic, industrial, agricultural, health and many other sectors and it is in a very poor state in SA with 44% of waste treatment plants in SA not

critical but facing serious challenges and a conservative figure of R49-billion is needed for mining rehabilitation alone.

"The prevailing issues include weak legislation, poor mining/environmental practices, new mines proposed/developed in sensitive catchments, a lack of funding and mine closure either absent or weakly implemented."

His proposed solutions focus on fast tracked implementation - of the integrated water quality management strategy and the Waste Discharge Charge System; an environmental levy on the mining sector; data management with improved and innovative technology; the annual WQM Report for public scrutiny to show who are the real polluters, as well as success stories; an Anti-Pollution Task Team (per instruction of Minister and Deputy Minister); and improved regulation of the water value chain.

During the panel discussion Khetiwe McClain, CEO, Mine Closure and Rehabilitation Solutions proposed that mines think about the outcomes of their closure when still in the design and planning phase: "All plans must be aligned to the final closure plan including collaboration with other mines in the area. This cannot



ourselves to others in terms of performance status, think of the difference it would make.

“We also need to look at the transition when a mine is closed – how do we use the infrastructure, land and water? The old days of closing and grassing over are unsustainable; we need to transition from one form of economic activity directly to another.”

Yogan Reddy, Africa Water Sector Leader, PwC agrees: “The available land opens up a number of opportunities and can be utilized for agriculture, energy production (solar), water provision and many other businesses.”

We need to be clearer on what our environmental and social footprint is when we leave an area; our impact is way beyond the physical footprint.

In closing, Chairman of the Joburg and Junior Indabas, Bernard Swanepoel, says the industry should lead the way forward and not be bullied into change: “We need to be clearer on what our environmental and social footprint is when we leave an area; our impact is way beyond the physical footprint. Getting serious about this impact means adopting new technologies, being more transparent and designing holistically with regional co-operation.”

Background Joburg Indaba

A gathering that draws captains of industry together with government and investors who have found it to be an important platform where they can put forward their thoughts on the industry. Local and international speakers, fund managers, analysts and captains of industry gather annually, in early October at the Inanda Club in Johannesburg to drive the way forward for the mining industry and share insights into global commodity markets prospects and investment opportunities.

www.joburgindaba.com

be done in isolation as it impacts on the entire area, not only the individual mining site, and rivers don't adhere to mining boundaries. Social and labour plans are critical from the outset.”

Mongezi Vetri, Head of Sustainability, Exxaro Resources, agreed: “It starts with good leadership. We need to understand a mining company doesn't exist in isolation and has to ensure efforts at environmental stewardship. It's not enough to simply comply; we are obligated to do more so we impact positively on society.”

“Different mines invest differently in the problem – some simply tick the list while others take a keen interest in sustainability,” Warren Adams, Managing Director, Jaro Capital pointed out. “There is a need for stakeholders to have a massive mindshift to becoming more responsible.”

Nikisi Lesufi, Senior Executive: Environment, Health and Legacies, Minerals Council South Africa, suggested implementing new technologies: We can reduce the volume of waste and the toxicity of waste by using new technology available to us. Our reporting systems are not up to scratch; if we had real time water management with self assessment tools to compare

From left: Mr Sahlulele Luzipo, Mr John Hlengani Bilankulu, Mr Mikateko Golden Mahlaule, and Dr Amanda Skepu, Mintek Scientist.



DMRE Portfolio Committee on Oversight

Visit to Mintek

The Portfolio Committee on Mineral Resources and Energy visited Mintek last week as part of a five-day oversight responsibility to the Department of Mineral Resources and Energy and its respective entities in Gauteng.

The purpose of the visit was to gain understanding of the entities' legislative mandates, challenges which may have material impact on the operations and success of entities as well as proposed interventions.

Committee Chairperson, Mr Sahlulele Luzipo, said, "We are here to gain knowledge that will assist the Committee to develop a programme that will focus on resolving legislative challenges faced by the entities, in

order to create the environment that will be conducive for them to deliver on their mandates."

The Committee toured the Mintek exhibition which showcased research and development conducted at Mintek. Mpho Makoane, Mintek's Marketing Officer for Small Scale Mining and Beneficiation said, "Mintek is delighted to host the Portfolio Committee, this visit will help them understand how the organisation is using its science vote funding to advance the mandate of Mintek."

The Conducted its oversight visit during September at the DMRE, where members were briefed by the Petroleum Association of South Africa,



Mpho Makoane, Mintek's Marketing Officer for Small Scale Mining and Beneficiation said, "Mintek is delighted to host the Portfolio Committee, this visit will help them understand how the organisation is using its science vote funding to advance the mandate of Mintek."

followed by a visit to the Council for Geoscience. This was followed by visits to other SOEs, including the Nuclear Energy Corporation of South Africa, National Radioactive Waste Disposal Institute, and Mintek.

The Committee concluded its visit at the South African National Energy Development Institute (SANEDI), Central Energy Fund (CEF) and the Mine Health and Safety Council (MHSC).

About Mintek

Mintek is South Africa's national mineral research organisation established in 1934. It is one of the world's leading technology organisations specialising in minerals processing, extractive metallurgy and related areas. Our commitment to innovation and our world-class research and development expertise is supported by a physical infrastructure of modern laboratories, pilot plants and workshops. We believe it is our extensive intellectual capital –



engineers, scientists and technologists, all of the highest calibre – that forms the most valuable part of our proposition to our customers. Learn more here: <http://www.mintek.co.za/> and follow us on twitter: @Mintek_RSA.

About the Portfolio Committee on Mineral Resources and Energy

The committees are required to report regularly on their activities and to make recommendations to the House for debate and decision. A large part of the Assembly's role in the law-making process happens in committees and much of its oversight over the executive is also done through committees, particularly the portfolio committees. ♦

For information Portfolio committee on visit: <https://www.parliament.gov.za> or contact the committee secretary, Ms Ayanda Boss on email: aboss@parliament.gov.za

Little Green Number

aims to save the planet

Little Green Number is a Proudly South African award-winning social media company that is passionate about saving the planet – one billboard at a time. The company recycles old PVC billboards into funky, unique bags. At LGN we protect the environment whilst creating jobs! What's more? For every bag sold, one is donated to a school child in need.

For more information go to littlegreennumber.com

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Director of LGN,
Juanita van der Merwe



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

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COLTS-HILL

GUEST HOUSE



Located in the heart of South Africa's picturesque lowveld, Colts-Hill Estate provides the perfect breakaway in White River Town, Mpumalanga Province. Boasting 10 spacious air-conditioned en-suite bedrooms, a conference facility, swimming pool, two lapas and a braai facility, the estate is ideal for families, corporate events and romantic get-aways.

Room features include:

- Air conditioning
- En-suite bathrooms
- Dstv (satellite television)

The guest house is located close to the Kruger National Park with numerous other tourist attractions in the area.



12 Dagama Street, White River, 1240 • P.O Box 4752, White River, 1240

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Email:- reservations@coltshillgh.co.za Website:- www.coltshill.co.za GPS Coordinates:- 25°18 ' 60 " Latitude, 31°0 ' 4 " Longitude

Our Partners:

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