

MiningCSI

Local Economic Developments by Mines

Volume 18 • 2018



THULAGANYO MASENG

Chairperson of Warona
Development Agency Trust

INVESTING IN AFRICAN MINING INDABA 2018



CYRIL RAMAPHOSA
Elected 13th ANC President

ALSO IN THIS ISSUE:

UNIVERSAL COAL – Community Wellness Outreach Programme

EXXARO – Powering possibilities in it's communities

PAN AFRICAN RESOURCES – Progress on Elikhulu Retreatment Project

SASOL – Partnering with our communities

MBUYELO COAL – Contributes to community skills development

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CHAMBER OF MINES
of South Africa

PROVIDING INNOVATIVE FOOD SECURITY AND EMPLOYMENT SOLUTIONS



The Chamber of Mines of South Africa is participating in and funding a pilot project to assess the feasibility of growing herbs and vegetables on inner city rooftops. The Urban Agriculture Initiative was established by the Johannesburg Inner City Partnership, in which the Chamber is a key stakeholder. The Initiative aims to create an urban agricultural ecosystem by repurposing disused rooftops and making use of hydroponics and aquaponics to produce agricultural produce for Johannesburg's inner city communities.

Nhlanhla Mpati is an agripreneur who started a roof-top farm on the Chamber of Mines building in Johannesburg's central business district. Since starting farming in the city, Nhlanhla has produced some 15kg of basil which has been sold to the Johannesburg Fresh Produce Market and surrounding cafes and coffee shops. Farming was carried out using hydroponics, a soilless growing method which dates back to the time of the Hanging Gardens of Babylon in 600BC. The basil grows in a mere 21 days as hydroponic plants mature much faster than crops in other mediums, resulting in a faster turnaround.

As a result of the Chamber's successful pilot project, the Department of Small Business Development (DSBD) has agreed to fund the start-up costs of another 24 projects in the inner city of Johannesburg – helping to provide sustainable employment to 24 farmers. Altogether, property owners in the city have made 60 buildings available for rooftop farms. The Chamber of Mines intends giving farmers more space as it still has an unused area of 400m² in its 93-year old heritage building.

Johannesburg is one of many cities in the world turning to inner city farming with the objective of addressing high unemployment and food insecurity, while regenerating neighbourhoods. The Chamber hopes the project will extend beyond rooftops to sidewalks and even to other under-utilised spaces for the benefit of the people of Johannesburg's inner city and beyond.

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Join the conversation: www.chamberofmines.org.za www.facebook.com/Mine [@Mine_RSA](https://twitter.com/Mine_RSA)



Editor's Note

Mining Indaba 2018

The last month of 2017 will probably be viewed as a period in South Africa which brought massive changes in the political landscape when Cyril Ramaphosa was elected as the new president of the African National Congress (ANC). This move may bring opportunities for possible improvements around businesses in South Africa and the world. The newly elected president of the ANC is seen as business friendly, loved by the markets and business community at large. A few minutes post his election the rand improved significantly and one can only hope the mining sector will view these developments in a positive light.

We are at the time of the year when the whole world comes to Cape Town, South Africa for the Annual Mining Indaba Conference. This event can be viewed as an investment as a one chance meeting at the speed networking could pay for your trip many times over. It cannot be guaranteed that your networking's will make connections that turn into big business, but what can be guaranteed is that if you are not there you will never find out. The Mining Indaba 2018 is one event that you cannot miss.

Our cover page is graced by Thulaganyo Maseng, The Chairman of Warona Development Agency Trust which is an organization passionate about helping local communities with preference to rural communities. They aim to assist the people to better benefit from the social responsibility investment from corporates. See more on page 9 of what Warona Development Agency Trust is all about.

It is a pity that the new Mining Charter has not been approved for implementation in South Africa, which is a huge concern for an industry that doesn't like uncertainties, especially from the Department of Mineral Resources (DMR) as the regulatory body. We can only hope the ministry will get this issue sorted out very soon in consultation with all affected stakeholder including the Chamber of Mines, a body representing major mining companies in South Africa. For the past

few months DMR and Chamber of Mines have been spending most of their time in court regarding the Mining Charter 3 instead of coming together to find a solution on this impasse.

Chamber of Mines CEO, Roger Baxter has highlighted this issue on his foreword, please read more on page 4 regarding his views. We hope these two parties find each other soon and resolve the issue as we all know the industry needs stability.

According to Saturday Dispatch Newspaper dated, December 30, 2017, three months earlier the newspaper reported that Teba released the names of 4 000 ex-miners eligible to receive their unclaimed compensations and pension moneys, which most ex-miners hoped to receive over the December period. But the stories of despair for many families continued as many received no payments. However, "Mr S Moeletsi from Teba said they already paid over R300 million on different projects in rural labour sending communities ranging from pension and provident fund moneys to occupational lung disease benefits". FSB said there is more than R40 billion that remains unclaimed to date, (Saturday Dispatch, Dec 30, 2017).

This remains the most painful matter as ex-mineworkers and their families continue to live in poverty after working decades in the mines. Something must be done urgently by government and Chamber of mines to resolve this issue.

Enjoy the 2018 Mining Indaba and enjoy the magazine.

Moses Sibiya

Managing Editor



MiningCSI

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Cover picture: Warona Development Agency Trust

Published by: Sagis Data CSI Projects
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Design & Layout: Liesel van der Schyf

Magazine Consultant: Godfrey Khosa

Advertising Sales: Michelle Dondolo

Research: Moses Sibiya

Distribution: Mining companies; Chamber of Mines and DMR Offices;
selected local municipalities; Junior, Joburg and Mining Indaba

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Foreword

By Roger Baxter, CEO Chamber of Mines

The South African mining sector is an exciting place to be. It is characterised, as always, by both significant risks and great opportunities. In 2016, the mining industry contributed R304.4 billion to GDP; paid R3.7 billion in royalties; employed around 460,000 people; paid employees R120 billion in earnings; and spent R211.8 billion on goods and services. Over and above this economic role, mining companies made a massive contribution to the development of communities in terms of their social and labour plans and CSI.

That said, our industry is operating in difficult times. In addition to the poor state of the international economy, we face serious local constraints. A key condition for growth, sustainability and investor confidence is an acceptable regulatory environment. That is why the Chamber of Mines, which represents producers of 90% of the minerals mined in this country, takes strong positions on policy and socio-economic issues.

We have recently opposed Eskom's application for a 19.9% tariff increase. We estimate that should the proposed tariff be granted, it would result in a R3.21 billion increase in costs, resulting in the operations of around 66% of gold and platinum mines becoming unsustainable, and a possible 48,000 job losses.

The current divisions between the industry and our regulatory body, the DMR, are well known. In 2017 we pursued two legal processes in the High Court, one over the DMR's Reviewed Mining Charter (RMC) and the other over the 'once empowered, always empowered' principle. At the time of writing, no judgments had been delivered. We consider both these issues as critical to the future of the industry.

We believe that the RMC contains provisions that are beyond the powers of the Minister, some being in breach of South Africa's constitution. Some RMC targets are unachievable.

The industry is strongly committed to continuing the transformation journey it began in the 1990s. We repeatedly told the DMR of our willingness and desire to negotiate a new and improved charter, as we had done on previous occasions in respect of the 2004 and 2010 charters.

Our greatest wish is for our industry to be allowed to continue on its transformative, sustainable path for the benefit of all South Africans. ♦



Powering a better life in Africa and beyond

Exxaro's Socio-Economic Development (SED) strategy breathes life into the company's vision of "powering a better life in Africa through responsible investment". And what better way to power a better life than by empowering people who can build sustainable communities?

We use a Social Return on Investment (SROI) methodology to evaluate the impact of our socio-economic interventions for the communities we invest in. The Return on Investment is counted in more than financial terms; the Return on Individual is where we see the greatest reward.

Two examples are:

Boithlamo Brickmaking

Rapid development in the town of Lephalale, Limpopo, has substantially increased demand for housing. Responding to this business opportunity, Exxaro funded a brick-producing enterprise. Established in 2011, the Boithlamo Brickmaking Project is now a well-established brick plant that supplies the local and surrounding communities.

Taking success a step further, a group of six graduates from Exxaro's Mogolo Academy, located in the same town, have established their own civil enterprise called Boithlamo Construction Development. The company opened for business in February 2011 and now employs 15 people who support their families and can send their children to school.

Kone Shavhani, managing director, says: "Due to the support we received from Exxaro, we have been able to turn a marketplace into a supply-and-demand chain, and in the process created a sustainable business."

The SROI for this project is 2.49.



Thusanang Bakery

The Thusanang Bakery in the remote Selekla Village, Lephalale, is another success story. Born from the need to alleviate poverty and ensure food security, this community bakery serves 15 000 people in the area. By selling freshly baked bread and confectionery products at affordable prices to feeding schemes, local markets, shops and spaza shops, it also stimulates further business opportunities in the area.

Emmarentia Masilo, one of the beneficiaries who was trained at the Lephalale Enterprise Development Centre, says: "We are happy to serve our community and, in turn, the community is happy that they now have a bakery on their doorstep."

The SROI for this project is 3.25.



Right: Rozalia Kubyana, one of the Exxaro MTB Academy riders, was selected to represent South Africa at the World Championships in Cairns, Australia in September 2017. Exxaro's MTB Academy was established to introduce mountain biking into historically disadvantaged communities and develop talented youth into professional mountain bikers.



Priority socio-economic investment

Exxaro's priority SED areas aim to maximise value creation and self-empowerment for communities by supporting education, health and the natural environment, applicable infrastructure development and enterprise and supplier development.

EDUCATION: The Exxaro People Development Initiative tracks all education and skills initiatives for both Exxaro employees and community development. For the 10-year period from 2006 to 2016, 37% of our total community spend went to education.

In Mpumalanga, we have recently completed the TVET College in Delmas at a cost of R6.8m.

SROIs for the TVET College and education programmes have been calculated to be 2.2.

HEALTH, ENVIRONMENT, AGRICULTURE, WATER AND ENERGY:

The prevailing socio-economic challenges expose disadvantaged communities most to the risk of food shortages, access to energy, potable water and proper sanitation. They are therefore vulnerable to illness.

We will be contributing R12 million to construct a clinic in the Rietkuil Township and a further R2 million in Ga-nala (Emalahleni Municipality) to refurbish the landfill site, which will reduce the cost of refuse removal for the municipality.

Both projects are expected to generate an SROI of more than 2.

ENTERPRISE AND SUPPLIER DEVELOPMENT (ESD): Exxaro's ESD strategy is intended to develop entrepreneurs and suppliers. In all our operations, ESD Centres are being established to provide business training and support and hands-on mentoring. This is a R30m investment over a period of five years.

SROIs for these projects have been calculated to be between 2.5 and 3.

INFRASTRUCTURE DEVELOPMENT: Infrastructure gives shelter and mobility and provides for a better community life.

In Limpopo (Waterberg region), we have started construction of a 36km road in partnership with Roads Agency Limpopo at a total cost of R300m. We are also refurbishing employee accommodation at a cost of R300m.

Exxaro recently handed over the Klarinet Sports Field, valued at R12.3 million, to the Emalahleni Municipality and the Department of Sport, Arts and Culture.

The SROI for this project is 0.63.

exxaro

POWERING POSSIBILITY

SASOL IS AN INTERNATIONAL INTEGRATED CHEMICALS AND ENERGY COMPANY

Through our talented people, we use selected technologies to safely and sustainably source, produce and market chemical and energy products competitively to create superior value for our customers, shareholders and other stakeholders.

Mining

Sasol Mining operates one of the largest underground coal complexes in the world, comprising six coal mines that supply feedstock for our Secunda synfuels operations and Sasolburg operations complexes in South Africa. While the coal that Sasol Mining supplies to the Secunda synfuels operations is mainly used as gasification feedstock, some is used to generate electricity. The coal that Sasol Mining supplies to the Sasolburg operations is used to generate electricity and steam. Sasol Mining also exports coal from the Twistdraai Export Plant to Europe and Asia.

Partnering with our communities

In addition to Sasol's corporate social responsibility programmes, Sasol Mining promotes social and economic development in communities through focused economic development projects. Our host communities in four municipalities in Mpumalanga and two in the Free State have benefitted in many ways from a variety of projects, such as clinics, a fire station, roads and bridges, as well as housing for our employees.

Community local economic development projects

Prior to 2008 all Sasol's community development projects were implemented as part of Sasol's community social responsibility projects. Sasol Mining commenced with the implementation of LED projects in 2008. To date 14 LED projects have been completed:

- Eight in the Secunda Complex
- Five in respect of Mooikraal Colliery
- One in respect of the Limpopo West reserves

- › Total cost of Secunda Complex LED projects for the period 2008 to 2020 amounts to **R174 million**
- › Total cost of Mooikraal Colliery LED projects for the period 2008 to 2020 amounts to **R32,43 million**
- › Total cost of Limpopo West LED projects implemented prior to approval of the SLP amounted to **R5,5 million**

The LED projects are spread throughout seven municipal areas:

SECUNDA COMPLEX	MOOIKRAAL COLLIERY	LIMPOPO WEST
Govan Mbeki Municipality R74 million	Ngwathe Municipality R21,95 million	Lephalale Municipality R5,5 million
Dipaleseng Municipality R55,5 million	Metsimaholo Municipality R10,4 million	
Lekwa Municipality R38,5 million		
eMalahleni Municipality R3 million		



Sustainability

Sasol Mining will mine until 2050

- Sasol Mining is a well-established coal mining business. Coal mining commenced in the Free State during the 1950's and Sasol Mining has been mining coal in the Secunda area since the mid 1970's
- As Sasol Mining has been mining coal at the Secunda complex for around 40 years, large areas have been mined out and therefore Sasol Mining must acquire additional coal resources to replace the areas where coal has been depleted
- To sustain the supply of coal to the petrochemical operations in Secunda to 2050,
- Sasol Mining must ensure access to sufficient coal resources to sustain its annual supply of approximately 41Mt
- To ensure security of supply, Sasol Mining launched an initiative aimed primarily at securing sufficient reserves to coal until 2050
- Sasol Mining will invest in the communities where it operates to at least until 2050

Mpumalanga Employee housing – Govan Mbeki Municipality

Sasol mining has a policy to promote affordable home ownership for low income employees. During a survey conducted by Sasol Mining it was found that a severe housing shortage exists at the lower income levels, often referred to as the gap market.

Sasol Mining is in the process of implementing a number of housing construction projects, in close co-operation with the Labour Unions, Govan Mbeki Municipality and the Provincial Department of Housing Settlements.

In order to make housing so affordable, Sasol Mining had to evaluate various options, including subsidising township development and construction.

Sasol Mining embarked on an extensive communication process to ensure that the target group is aware of the housing project. Sasol Mining intends to construct around 500 houses in eMbalenhle and another 98 will be constructed in Secunda by 2020.



Sasol Mining constructed 22 houses in Secunda Extension 23 for lower income employees.

Free State Employee housing – Metsimaholo Municipality

The Belina hostel and Schoonplaats staff village were constructed to cater for the housing of employees when mining commenced at the Sigma Colliery, during the 1050s. Sasol Mining embarked on a project to provide replacement housing for the employees who resided in the Belina hostel and Schoonplaats village. The houses constructed are of such a nature that they are suitable for the promotion of home ownership amongst employees in the lower income group.

Zamdela was identified as a suitable site for the relocation of the Mooikraal Colliery employees. This ensures that the employees are integrated into the existing community. The employment of locals was promoted during the construction phase. The houses constructed satisfied the immediate housing needs of the Mooikraal Colliery employees. However, Sasol Mining has made provision for the construction of additional housing, should there be sufficient employees who qualify for Sasol Mining's affordable housing policy.

Pictures of a typical Schoonplaats house and the new houses constructed for the residents at Schoonplaats staff village and Belina hostel.



PENOLOGA GROUP

Mission

To transform environments so as to transform lives of people.

Our area of focus & Expertise

- DLM Events
- Palcobase
- Purple Pearl Media
- Keokame Properties
- Consulting & Advisory Services in Infrastructure Development
- Turnkey Project Development and implementation in Infrastructure Development
- Renewable Energy
- Water Reclamation and Recycling
- Technology products and Services
- Digital Communications Infrastructure
- Specialist Supplies
- Events Management & Equipment Hire
- Enterprise Development

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TRANSFORMING ENVIRONMENTS.
TRANSFORMING LIVES.

Value Proposition for our Clients

- Consulting & Advisory Services in Infrastructure Development: Our extensive experience in Built Environment Professional Services enables us to conceptualize, plan and implement Social Labour Plans and Corporate Social Investment Portfolios for mining houses and corporates;
- Turnkey Project Development and implementation in Infrastructure Development: We are able to provide conceptualization, Planning, Design and Construction of infrastructure Projects
- Renewable Energy: We are able to help client reduce their energy consumption by introducing renewable energy products and services
- Water Reclamation and Recycling: Grey water and contaminated water is recycled and reapplied within the production process for clients thereby reducing the environmental impact
- Technology products and Services: Penologa has expertise and products that enables clients to digitize legacy systems viz. water pump stations, metering devices, Legacy equipment through Internet of Things products which have been developed and owned by the Company.
- Digital Communications Infrastructure: Purple Pearl Media, Penologa is able to implement digital communications infrastructure for Mining Houses whereby workers can be continuously informed and timeously notified. Such an infrastructure can be applied towards safety education and awareness initiatives.
- Specialist Supplies: Penologa provides specialist supplies from Clients for the Built Environment and other industries.
- Events Management & Equipment Hire: Specialized and bespoke events can be conceptualized, planned and implemented for corporate clients. Furthermore, events equipment hire is provided.
- Enterprise Development: through its experience in contractor development in the built environment industry, Penologa is able to apply the same skills set and expertise for the enterprise development for mining and corporate Clients

www.penologa.com



Warona Development Agency Trust



Engineering positive space

through responsible social means

Corporates recognize that they have social, cultural and environmental responsibility to the community in which they operate in or seek to operate in. CSI projects in most instances are not aligned with the normal core business of Corporates and find themselves not directed at generating profit. Furthermore, such projects are intended to benefit and uplift communities within the Corporates operations. South African Corporates have joined Multinational Corporations in a drive of being socially responsible and in recent times we have seen South Africa edging towards being a leader in the sphere of Corporate Social Responsibility Programmes.

Warona Development Agency Trust is a public benefit trust seeking to facilitate funding for projects and programmes that uplifts and empower disadvantaged communities. The aim of the fund is to leverage corporate spend through their Corporate Social Responsibility/Social Labour Plans Programmes to ensure that a tangible difference is achieved in rural and peri-urban communities.

Our mission is to become a bridge towards social & economic transformation of communities in South Africa. We believe that transformed communities in South Africa will be a direct impact in the transformation of our society and its well-being

thereby impacting positively towards the socio-economic growth of South Africa.

Projects and Programme Focus

- **Education:** The focus is on school infrastructure, learner development programmes, early childhood development, school nutrition and sports development.
- **Health:** Focus is on health and infrastructure programmes
- **Renewable Energy:** This programme looks at leveraging renewable energy products and services in order to improve the lives of communities.
- **Enterprise Development Programme:** Warona has developed a platform whereby enterprises in communities can be developed and leveraged off procurement programmes offered by Corporate South Africa. ♦

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MBUYELO

Community Engagement

REPORTING 2017



Mbuyelo hosts UJ Mining students

1. SKILLS DEVELOPMENT

Mbuyelo Group continues to contribute to the community in which it operates through different educational initiatives. The Company offers learnership opportunities, internships and bursaries to qualifying youth members. Once the learners complete their studies and onsite training, most have been absorbed and offered employment throughout the Mbuyelo Group Mines. When a need was identified that communities lack certain skills to ensure employability, the group was quick to implement and offer skills development programmes to the community.

Mbuyelo has a firm relationship with the University of Johannesburg where most of their bursars are studying towards their range of degrees. Manungu Colliery, one of Mbuyelo Coal Mines recently hosted the Mining Engineering students from the University and exposed them to open pit mining and its processes. The company has spent just over R4 million rands on their skills development programmes year to date.



Humphrey Mohlahlo, Mine Manager of Ntshovelo Colliery with Swartklip Combined School learners

2. MATHS & SCIENCE CAMP:

Mbuyelo Group supported Swartklip Combined School learners during the Maths & Science School camp. All the Mbuyelo mines contributed to the camp.



PR Executive, Vutomi Siweya with Minister of Economic Development, Mr Ebrahim Patel and Linda Mtshweni CEO Vitrovan

3. NKANGALA BUSINESS EXPO 2017

Through an invitation from Nkangala District Municipality, Mbuyelo Group was one of the Companies that exhibited at the Nkangala Business Expo which was held in October 2017 at eMalahleni. The

focus was the Company being one of Eskom suppliers and black owned mining Company in South Africa. The Honourable Minister of Economic Development, Mr Ebrahim Patel was briefed of Mbuyelo's contribution to the business and community at large.

Mbuyelo Group Team with Nkangala District Municipal Officials and other delegates attending Nkangala Business Expo at Malahleni Local Municipality. Please attach this caption to the picture as well from where it is now.



4. COMMUNITY SUPPORT

Metro supports the elderly, children living in abusive environments, abandoned children, people living with HIV & Aids and provides programmes that assist with education and sport coaching. They also ensure that all the needy groups receive 3 meals a day and have proper clothing.

Executive Mayor of Victor Khanye Local Municipality, Cllr Eva Makhabane, General Manager of Mbuyelo Coal, Mr Sello Monnanyane and Phindani Makamu, Mbuyelo Group SLP Co-ordinator handing out Christmas food donations to Kutu Orphanage Drop-off Centre in Delmas. The donation benefitted 43 households



Mbuyelo Group Management, Department of Health Representatives and Victor Khanye Local Municipality Representatives during a site handover of Botleng Proper Clinic. The amount of eleven million (R11 000 000.00) will be used for the refurbishment of the Botleng clinic which was burnt during a service delivery protest.





BLACKHIVE

BLACKHIVE is a young, dynamic BBBEE Company which is founded on a principle of creating a marketing platform for start-up and existing black owned businesses. The main goal is to assist the SMME's to grow and ultimately be able to stand on their own. The Company identified marketing as one of the major setback that black owned start-up businesses face due to budget constraints and limited resources. Without the right network and access to the targeted customer, most businesses struggle with attaining projected growth.

Through a rigorous research process, Blackhive was successful in discovering a solution which benefits all start-up businesses and helps grow the existing ones. The Blackhive directory which promotes the culture of utilising the services of businesses in the immediate surrounding areas and to contribute towards the overall growth in the underdeveloped areas. The process has been simplified in such a way that it is understandable to all individuals regardless of educational levels.

BLACKHIVE currently subscribes and enlists businesses registered with the Companies and Intellectual Property Commission (CIPC). Preference is given to businesses that are owned by previously disadvantaged individuals. A business registers on the directory and depending on the services sought, customers will be able to find them. This is literally a market place where sellers meet buyers and all this at the comfort of their homes.

Consumers and Organisations can access this portal which has been created as a support structure within their designated areas. The goal is to be the go-to registered black owned business directory in South Africa for every enterprise and Broad Based Black Economic Empowerment (B-BBEE) transactions.

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Managing Director*



**Universal Coal
Development I (Pty) Ltd**

Community Wellness

**Outreach Programme
Campaign in Ward 07**



Schoeman Community people who have attended the Wellness Outreach Programme



Universal Coal Team helping community during the Wellness Outreach Programme

Universal Coal contracted Jairah Consulting to organize and facilitate a community wellness outreach campaign in the Community of Ward 07. The aim of the campaign was to create awareness and supply information to the targeted Mine Communities in the rural areas with regards to various health topics. Private Corporations have until now focused on their employee's wellness. The community wellness outreach by Universal Coal has set a different tone that the Company cares and supports not only the development of the community but their well-being as a whole.

CONTENTS OF THE PROGRAM:

The campaign was hosted at Schoeman Farm, Swartklip Sports Grounds on Friday, 22 September 2017. The targeted communities identified were Kgapamadi,

One of the candidates being assisted to check high blood pressure

Schoeman, KwaJozi, Vukuzenzele and Rutkuil. To ensure that all invited guests and members of the community are shaded and protected from the sun, Universal provided a tent that could accommodate 300 people, fully equipped with chairs.

The total number of those in attendance at the event including Universal Coal Staff were 240 in number. Amongst the 240 stakeholders, below is a breakdown of the different organisations they represented.

- Councillors from Victor Khanye Local Municipality including the ward councillor for Ward 07.
- Agri-Aid SA
- Epilepsy SA
- Department of Health
- Department of Social Development
- Department of Cooperative Governance and Traditional Affairs.
- Rich and Hopeful Youth Centre
- Ekukhanyeni Home-based Care
- SAPS
- Mpumalanga Mental Health Association
- Tutela Care
- Vitrovian
- Ambassadors.
- Community Members

OUTCOMES OF THE EVENT

Looking at the good presentations given, the community responded well to the event and shared their appreciation on the information presented to them. People who tested for HIV were 64; two known patients consulted who are on ARV treatment, two people consulted for hypertension. Overall 68 people consulted with Agri-Aid for testing purposes. Ten cases were reported to the Department of Social Development concerning older persons and people with disabilities being abused in the areas of Rutkuil and Kgapamadi. Two of the ten cases were immediately referred to SAPS. ♦



Agri-Aid SA Team during Universal Coal Wellness Out Reach Programme

Pan African Resources (PAR) empowers its local community with the Elikhulu Project launch



Pan African Resources CEO, Mpumalanga MEC: Finance, Economic Development & Tourism, DMR DG with Local Traditional Leaders during the sod-turning event.

Pan African Resources (PAR) recently launched the Elikhulu Project where the CEO, Cobus Loots, emphasised that cooperation between the local community and the mine is critical to ensure success implementation. He stated that PAR's aim is to encourage community participation in the project so that it can serve as an example of how collaboration with local communities can assist in developing the local economy.

Four months later, Pan African Resources' (Evander Gold Mines') commitment to community development

and local business empowerment through the Elikhulu project must be commended. To date, the project has employed more than 450 local community members on site, and more than 40 local companies are currently supplying services to the project. The project has had a direct economic impact on the Govan Mbeki Municipal Area and Mpumalanga at large.

Community Projects:

PAR/EGM, through the Elikhulu Project, is embarking on a number of local empowerment projects to develop community through education,

business and environmental preservation. These projects include:

Adopt-a-School Programme: Two schools – one primary and one secondary – are selected to be part of the immediate intervention of the mine's Adopt-a-School Programme. This programme takes a holistic approach on social development in the education environment, focussing on academics, infrastructure, security, safety and socio-economic needs of each school.

Business Incubator: A community project which will train businesses in technical skills focusing on the mining industry and social entrepreneurship. This empowerment hub will be beneficial in boosting the soft and hard skills of local businesses.

Waste Management: A further community initiative is a waste management project, which is founded on creating environmental preservation and sustainable mechanisms of managing waste.

Another project of paramount importance is the AmaNdebele Kingdom Leadership Development, which is a commitment to develop relationships between the mine and the AmaNdebele Local Chiefs. The project has committed to empowering the Chiefs of Govan Mbeki Municipality Area with corporate leadership skills which will be merged with their existing skills and culture.

Local business success stories currently include the following:

Mamankwe Transport and Petroleum (Pty) Ltd focuses on plant hire, mining, construction, transport, and sustainable waste solutions. The company has more than 20 permanent staff members, a number which has grown significantly because of the Elikhulu project.

To date, the project has employed more than 450 local community members on site.

Sphofu Holdings (Pty) Ltd – The company started with two people, the founder and Managing Director Mr. Xolani Mahlangu as well as an administrator. Sphofu currently employs 13 permanent employees and eight general workers on a contract basis.

Manana Chemicals (Pty) Ltd – A construction company, founded and managed by Mr. Sphiwe Manana, specialises in the installation and maintenance of air-conditioners. The company employs more than seven employees and began rendering services to the Elikhulu Project from commencement of construction.

Milestones:

The Elikhulu Project wishes to extend more opportunities to women in mining, as PAR and EGM support equality in job and business opportunities. ♦



Pan African Resources CEO: Cobus Loots with Mpumalanga MEC: Finance, Economic Development & Tourism & DMR Director General during the Elikhulu Project sod-turning event



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CHAMBER OF MINES
of South Africa

*Tebello Chabana
Senior Executive: Public Affairs
and Transformation
Chamber of Mines*

Transformation not defined by 'tick box approach'

Even in the years preceding 1994 and the advent of democracy in South Africa, the mining companies that comprise the membership of the Chamber of Mines had established significant social investment programmes in mining communities and labour-sending areas. Efforts towards the industry's true transformation began in the early years of democracy, as the Chamber and its members engaged with government in amending the country's mining laws, and as part of that, began setting socio-economic standards and measurable targets in the first Mining Charter, which was revised in 2010. These first two

Charters were agreements between government, the industry and organised labour entered into through open discussion and debate.

Though these Charters contained agreed upon requirements and targets that might be seen as providing indications of the industry's transformational successes, it was and remains well understood by the Chamber that true transformation could not and should not be defined simplistically by scorecards or the "ticking of boxes". The commitment of Chamber's members to real transformation has, nevertheless,

been displayed by their success at meeting and exceeding the measurable targets defined in the first two Charters.

The one measure most-frequently cited is that of the participation of historically disadvantaged South Africans (HDSAs) through the shared ownership of mines. The two Charters contained a minimum target of 26% HDSA-ownership to be attained by the end of 2014. According to the Chamber's calculations, by that time BEE ownership had reached 38% on average throughout its industry membership. The numbers obviously varied from company to company and from mine to mine, but all had reached or exceeded the 26% target. Further BEE transactions have taken place at the various companies since.

Ownership is not, however, the sole measure of transformation. The quality of the lives of our employees, their families and their communities are equally as important.

And in this significant progress has been made. The 2014 target for all employees living in mine hostels to be in single accommodation – after the barrack-style living of the apartheid era – was largely met. The phenomenon of family housing units has grown – even though some mining towns still have serious infrastructure issues that both the industry and government need to address. In parallel there have been corresponding improvements in the social amenities provided or supported by our members' mines.

Transformation also encompasses access to satisfying careers. And, on this measure, well in excess of half of the industry's management positions from top to bottom, the people who determine strategy as well as day-to-day operations, are filled by what have been termed "historically disadvantaged South Africans" (HDSAs). The 2010 Charter target of 40% is met in every management category, from 42% to 55%. Progress is obviously slowest at senior management level. But this is all against the background of almost 0% black managers at the dawn of democracy. These are levels that

are approaching the country's demographic construct, levels that ensure long-term availability of the skills necessary for the sustainability of our modern industry.

The mining industry has long understood that it does not exist in a vacuum, separate from society and the economy as a whole. Today the industry's contribution to developing other sections of the economy is clearly shown by the fact that 50 to 60% of the mine's purchases – consumables, capital goods and services – are sourced from BEE suppliers.

And in this understanding, our mines interact regularly and openly with their host communities as a means of creating mutual understandings of community needs and aspirations by the mines

“The mining industry has long understood that it does not exist in a vacuum, separate from society and the economy as a whole. Today the industry's contribution to developing other sections of the economy is clearly shown by the fact that 50% to 60% of the mine's purchases – consumables, capital goods and services – are sourced from BEE suppliers”.

and mutual understanding by the host communities of what is affordable and what can realistically be provided. It is not just a question of money or help with projects such as the building of community infrastructure, but includes assistance with the development of skills needed by modern communities. It goes without saying that the country's socio-economic challenges are vast and the industry's contribution should not be seen in isolation to service delivery by local and provincial governments plus the actions of other sectors of the economy.

Ours is a multi-faceted or holistic approach to transformation. The Chamber's members have succeeded in this, and their efforts are contributing to ensuring the sustainability of our industry and of society as a whole. At the same time, we are aware that more progress is still required. ♦



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Right: Lisborn Chidi, Director



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AngloGold Ashanti delivers two Science Laboratories in Khutsong Schools



Above, left: Councillor Nozuku Best, MMC for Local Economic Development and Rural Development from Merafong City Local Municipality cuts the ribbon at Phororong Primary School. With her from the left is Maxwell Bolani, Manager Local Economic Development; Lucky Meyi from NUM; Fhedzisani Muthindivhane, Assistant Director Social and Labour Plan at the Department of Mineral Resources; Simeon Mighty Moloko, Senior Vice President Sustainability; Councillor Dennis Thabe, MMC for Regional Reindustrialisation from the West Rand District Municipality; Vuyani Mpofu, Deputy Director General at the Gauteng Department of Education; Oupa Tshose, AMCU; Reginald Maleke, Principal of Phororong Primary School; Kedibone Molantsoa, Chairperson of the School Governing Body and Reginald Maleke, Phororong School Principal and Councillor Thulani Mpitikesi, Speaker from Merafong City Local Municipality.

On Wednesday, 1 November 2017, AngloGold Ashanti together with the Gauteng Department of Education, Department of Mineral Resources, the West Rand District Municipality, Merafong City Local Municipality and Future Forum delivered two Science Laboratories at Phororong and Kamohelo Primary Schools. The two projects form part of the West Wits Operations 2015-2019 Social and Labour Plan.

Simeon Mighty Moloko, Senior Vice President Sustainability said that since 2012, AngloGold Ashanti in conjunction with its social partners, had delivered six Science Laboratories, two Libraries, one Computer Centre and five Additional Classrooms to schools in Merafong. "We have also delivered a Stepdown and Child Care facility at the Carletonville Hospital, three Recreation Parks, an Enterprise Development Centre, two Small Business Hubs and an Agricultural Project, and continue to provide financial and other support to Non-Profit Organisations in the area.

By the end of 2016, we had accommodated 148 local community members with internships, 113 with bursaries (30 have since graduated) and 73 engineering and mining Learnerships, to name a few of the projects and programmes we offer to members of the community. These initiatives were delivered to

the tune of R147 million as part of its West Wits Social and Labour Plans and Social-economic Development Strategy aimed at contributing towards creating healthy, safe, educated and economically active communities," he said.

Oupa Tshose, a representative of the AngloGold Ashanti Future Forum commended the company for delivering another state-of-the-art school project

I am glad that we are working together with management to make sure that our schools are becoming better schools for our children to attend.

in the Merafong community: "Today I am part of a leadership that supports transformation in our communities and I am glad that we are working together with management to make sure that our schools are becoming better schools for our children to attend. Let us make sure our schools remain in good condition," he said.

Also in attendance was Fhedzisani Muthindivhane who is the Assistant Director Social and Labour Plan at the Department of Mineral Resources. He outlined the requirement of a Social and Labour Plan and how it may affect the mining rights of a company, should it not be compliant. ♦

MINING INDABA GOLF DAY RAISED **R105 000** FOR **Els Autism South Africa**



Nathan Hirsch Director of Mining Indaba Golf Day, Chanel Baumgarten from Els for Autism South African and Tony Carroll, Mining Indaba Ministerial Relations Director

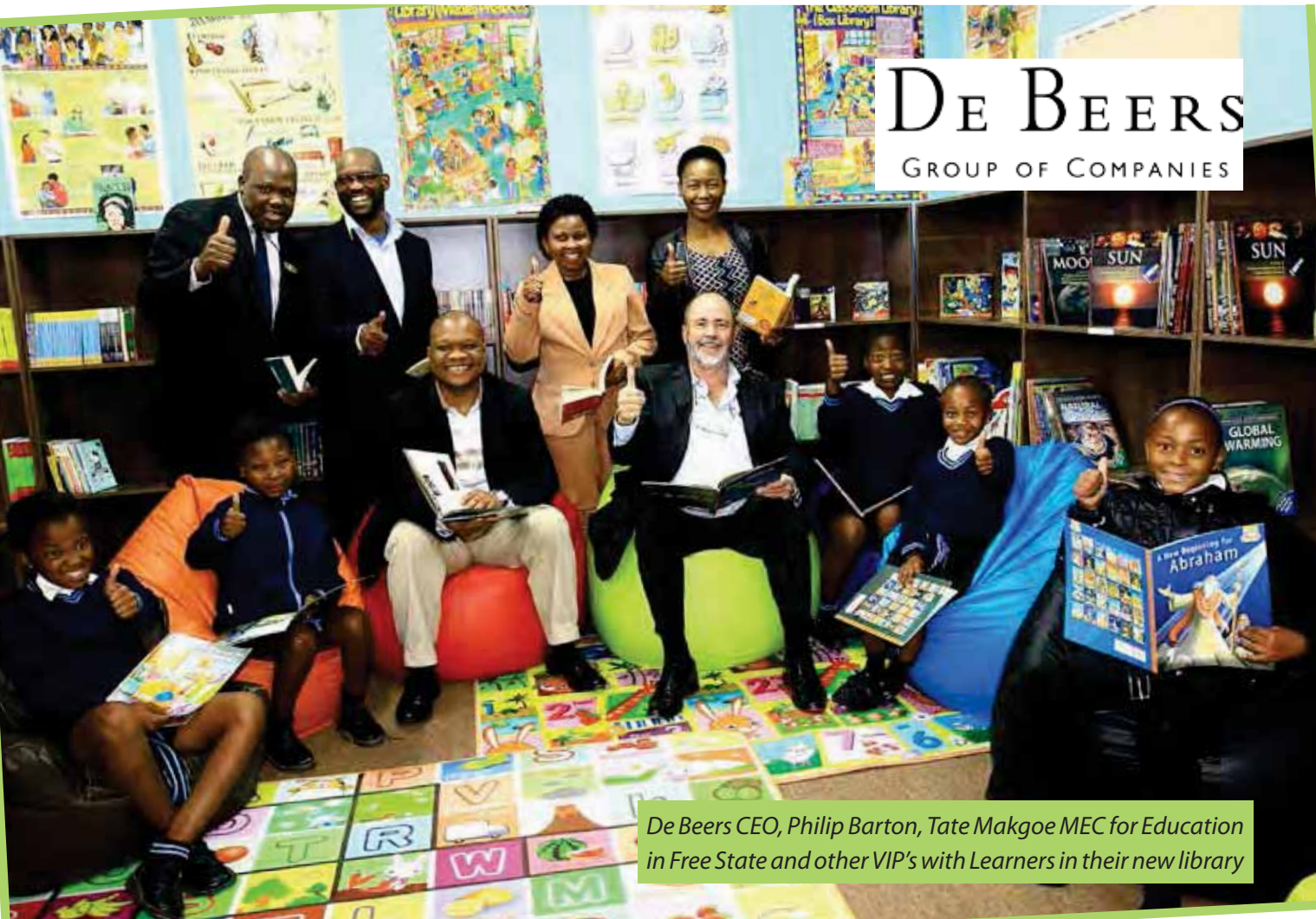
The Mining Indaba social initiatives has raised R105 000 for Ernie Els for Autism South Africa with the 2017 Mining Indaba Golf Day. This is more than was raised in 2016 Mining Indaba Golf Day. Since Mining Indaba relationship with Els for Autism South Africa and Els Wines began in mid-2013, the event has raised almost R400 000 beginning with the 2014 Mining Indaba Golf Day.

Caddies were used for the first time at the 2017 Mining Indaba Golf Day. There were 14 local caddies at the Rondebosch Golf Club in 2017 which translate into helping the local community.

The event was attended by the Executive Mayor of the Western Cape, Patricia de Lille who also play at this annual event to support the initiative. ♦



Executive Mayor of Cape Town, Patricia de Lille



De Beers CEO, Philip Barton, Tate Makgoe MEC for Education in Free State and other VIP's with Learners in their new library

De Beers Voorspoed Mine unveils three Legacy Projects in Viljoenskroon

Members of the media and key stakeholders in the Viljoenskroon community witnessed the unveiling of three Legacy Projects led by De Beers Voorspoed Mine. The prestigious event which was hosted by the General Manager, Mr Malcom Hendrickse on Thursday, 16 November 2017 was testament to Voorspoed Mine's unwavering commitment to make a visible difference to the labour sending community of Viljoenskroon in the Free State Province.

The Diamond Mine, which is a key role-player in the industry aims to make a lasting positive contribution to the communities in which it operates. These projects were identified as they will have positive impact in education and youth development of the area.

De Beers Consolidated Mines CEO, Mr Phillip Barton and Tate Makgoe MEC for Education in Free

The prestigious event which was hosted by the General Manager, Mr Malcom Hendrickse on Thursday, 16 November 2017 was testament to Voorspoed Mine's unwavering commitment.

State Province officially opened the three projects on the day.

The programme was as follows:

- Launch of the newly-constructed Media Centre at Ntsoanatsatsi Primary School
- Refurbishment of Mahlabateng Primary School
- Site-visit to the re-construction of Phuleng Primary School ♦



SOCIAL CAPITAL

THE SECRET COMMODITY THAT ENSURES SUCCESSFUL MINING COMMUNITY DEVELOPMENT

Meet Joy. A grade 12 orphan from a mining town in Gauteng. With five distinctions, an acceptance letter to study LLB, yet no funding or social support and therefore no hope of fulfilling her potential. Luckily Joy's story did not end there. A local mining house contracted Beulah Africa to do an interactive socio-economic study in the community. Through engagements with local community members we've learned about the orphanage where Joy lived. A few days later we visited them and subsequently met Joy. Reporting back to the mine about her unfortunate situation, the mine agreed to sponsor Joy to start her studies. Through ongoing communication with Joy, we've realized that adjusting to the big city and varsity life was not easy. We've then connected her to a social/ ministry group on campus who helped Joy make new friends from different backgrounds and establish a strong support network around her. She successfully completed her first year with great marks and amazing prospects to reach her dreams. [#itsBeulah](#)

So who should be seen as the hero in Joy's story? Perhaps it's not "who" but "what". Social capital – the secret commodity that will ensure successful mining community development!

So what is Social Capital? **Social Capital is the positive relational fabric in communities. A sense of belonging and togetherness.** It's entrenched in principles and values such as goodwill, trust, solidarity, general reciprocity and civic engagement.

Social Capital can be placed in three categories namely Bonding, Bridging and Linking Social Capital. **Bonding Social Capital** relates to internal ties within horizontal networks and relatively homogeneous relationships. **Bridging Social Capital** also refers to horizontal relational networks, but in this regard heterogeneous relationships between actors different from oneself in terms of occupation, ethnicity, or geographical location. **Linking Social Capital** describes vertical ties with formal institutions and relationships with organizations or stakeholders even farther removed from the bridging group. Linking Social Capital is also indirectly associated with access to other forms of capital, such as economic capital.

So in Joy's situation all three these forms of Social Capital played a vital role in her [#itsBeulah](#) story.

Bonding Social Capital with people within her own community who took care of her and informed us of her situation. Linking Social Capital with the mine who genuinely cared and enabled her to start her studies, and Bridging Social Capital with people who then created a new home for her at varsity.

It's important that we recognize and appreciate the role that each of these types of Social Capital play in community development so that we do not overemphasize the one over the other. If not carefully observed, social capital can easily be broken by large investment projects. **More finance does not automatically translate into more trust, reciprocity, honesty and understanding towards the company or the community members themselves.** Companies thus have to be focused on respecting, protecting and even enhancing local relationships at all three levels of Social Capital.

Social Capital is to a large extent "free" but it is definitely not cheap! It requires ongoing maintenance and, unlike financial capital, it is based on emotions, experiences and perceptions. Unfortunately, the South African mining industry is marked by trust deficits and perception gaps. Communities are annoyed and distrusting although great developmental progress has been made by mining companies' in recent years. This is mainly because communities' attitudes towards mining companies are often based on their perception of the negative socio and environmental legacies of mining in the country as a whole, and not necessarily on the realities of a specific local operation.

The benefits of strong Social Capital are tremendous, while the price of disregarding it is devastating! So as companies there is only one proper response – build more trust. Work at the relationships. Focus on creating systems and structures that fosters all three types of Social Capital. Practically this can mean participating in voluntary community events as observers and not only as sponsors; having communities contribute resources towards joined development initiatives, be it time or money; ensuring active participation in project planning processes; have open dialog discussions on pressing community matters, etc.

Successful mining community development is possible, the secret lies in strong Social Capital!



ABOUT THE WRITER

Roné Coetzee is a social entrepreneur and a sustainable development activist specializing in rural, agrarian, health, education and social development. She holds a Masters degree in Development Studies (UFS), a Bachelor's degree in community development (UNISA) and numerous certificates relevant to mining, training, BBBEE and Social Responsibility.

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GAMSBERG Adapts To Thrive



On 27 November 2017, Vedanta Zinc International (VZI) announced a major “first” for South African mining: digitalisation of the Gamsberg Project from the ground up.

At the launch, Deshnee Naidoo, CEO of VZI, explained how this initiative can translate into corporate social investment. “While we innovate, we also improve and make life better for all our stakeholders.”

The digitalisation of Gamsberg will address the needs of stakeholders by:

- building and running a more efficient operation

and thus optimising the use of resources under Gamsberg’s stewardship;

- providing more, better and more fulfilling jobs and careers for all employees;
- improving the safety and health of employees and communities;
- improving the ways in which the project accounts for and manages its operating environment, and thus makes a meaningful difference to local communities; and
- running a profitable and responsible business that delivers returns to shareholders – including many employees – and shows commitment to communities.



VZI has partnered with GE South Africa (who will work with MineRP) to implement this first ever greenfields mine-digitalisation initiative.

“We are starting the way we want to go on,” said Naidoo. “We are not waiting for Gamsberg to come online before we retrofit systems. We will see the implementation of breakthrough systems in the development phase of the project.”

The first step will be the integration of a ‘Smart Ore Movement’ system into the Gamsberg project. Essentially, Smart Ore Movement will enable the project teams to make data-driven decisions and thus find efficiencies, improve planning, lower risk, create safer working environments and unlock more value from resources.

Smart Ore Movement will ensure that all available information about the state of the mine, the quality of ore, the conditions of the processing plant and the value of the output product is available to the mine management team in real-time – and presented in a user-friendly way that allows for quicker decision-making, process stability and tighter quality control.

“As Gamsberg is a greenfields project, this will allow it to begin operations with best practices already in place,” Naidoo pointed out. “These best practices can then be replicated in subsequent phases and across other parts of the group.”

Once this system is up and running at Gamsberg, the partnership will move on to other initiatives as part of VZI’s Digital Transformation Roadmap.

For VZI, digitalisation is more than just mechanisation or automation. “Once well entrenched, I believe that this way of working will allow not only efficient mining and processing; it will allow us to mine projects that have been abandoned and proven non-viable,” said Naidoo.

“VZI places great emphasis on the concept of ‘adapt and thrive’ across all areas of our business. A core philosophy at Vedanta is to embrace new technologies and practices as protection against the uncertainties of inevitable disruption and intense competition, as well as an opportunity to capitalise on being the disruptor. As mining companies, we need to offer our employees, our communities and our investors a different future, and people-centric technology has the potential to be part of that process.”

The US\$400 million Gamsberg project is currently under development in South Africa’s Northern Cape Province with production scheduled to begin in mid-2018. ♦

About Vedanta Zinc International

Vedanta Zinc International (VZI) – headquartered in Johannesburg, South Africa – is a grouping of zinc assets located in South Africa, Namibia and Ireland, owned by India-based Vedanta Limited, a listed subsidiary of Vedanta Resources plc.

VZI’s operations include:

- Black Mountain Mining (BMM) and the associated flagship Gamsberg Project in South Africa’s Northern Cape province
- Skorpion Zinc Mine and refinery in the //Karas region of Namibia
- Mining and milling at the Lisheen Mine in Ireland was concluded in December 2015 after 17 years of operation and the mine is currently in an active closure mode

VZI’s vision is to create an integrated world-class regional zinc complex comprising the BMM (including Gamsberg) and the Skorpion Zinc mining and refining operations.



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One of the major challenges of LED and CSI is coordination between mines, local governments and the communities.

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Com Consulting can assist with the development of Mega LED projects in the local municipal areas, funded by mining companies. The projects are in most instances incorporated in the existing project plans in the Integrated Development Plans for the various municipalities, as well as plans from the DMR. These areas are based on mining company Social & Labour Plans.

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