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P. 05. REVIVING AFRICA'S UNTAPPED EXPLORATION PIPELINES A KEY FEATURE AT MINING INDABA 2024



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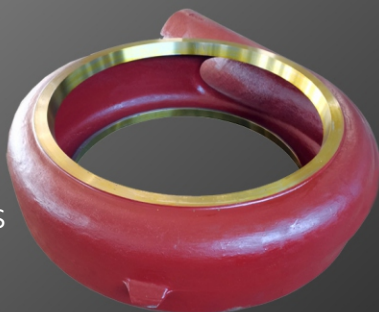
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REVIVING AFRICA'S UNTAPPED EXPLORATION PIPELINES A KEY FEATURE AT MINING INDABA 2024

The low-carbon economy of the future depends on mining and in turn, the future of mining largely depends on the exploration for and discovery of new mineral deposits. The African continent remains a treasure chest of green metals and minerals and has significant reserves of platinum cobalt, chromium and other battery metals. Yet despite this, Africa trails far behind when it comes to exploration spend, making it the last untapped mineral-rich continent.

Mining Indaba 2024, taking place in Cape Town 5 – 8 February, will host a new and exciting 'Disruptive Discussion' panel on Monday 5 February, titled "Africa exploration pipelines – why so empty?". The highly anticipated session, which is a first of its kind, will look at how we can address the major prohibitors to exploration spend on the continent - such as political instability, safety concerns and a lack of transparent data. It will also examine the radical change needed to ensure Africa meets the global demand for critical minerals required to drive the planet's green transformation and provide insight into African countries that are defying the limited exploration trend and why.

Africa holds 30 percent of the world's mineral reserves and as of 2022, counts for less than 10 percent of the global mining exploration spend. According to S&P Global World Exploration Trends 2023, exploration allocations on the continent increased by 11.6 percent, less than the global average. Africa's vast unexplored mineral wealth makes the continent all the more critical in the race to secure the supplies needed to achieve decarbonisation and to meet the global demand for critical minerals.



"The race is on to secure critical minerals which contribute towards the overarching need to deliver a low carbon economy. Disruptive conversations on how to open the gates to exploration in Africa are a key feature for Mining Indaba 2024. We will have strong representation from government leaders and investors, all contributing their ideas to support the development of critical minerals industries on the continent. Importantly, our discussions will explore how Africa can best leverage its minerals for sustainable development while contributing towards global needs," says Investing in African Mining Indaba Portfolio Director, Eve Harper.

The high-level speaker list for this session are Junior and Emerging Miners Leadership Forum Chairperson, Orion Minerals CEO and Minerals Council Board member Errol Smart, Kobold Minerals Co-Founder and President Josh Goldman, Ivanhoe Mines President Marna Cloete and De Beers Group CEO Al Cook. The

panel will be moderated by BHP Xplore Vice President, Sonia Scarselli.

The exploration panel comes off the back of a highly successful debut of the Explorer's Showcase which was introduced at Mining Indaba 2023.

The initiative aims to spotlight exploration and drive investment into African mining at the early stages. The Explorer's Showcase is returning to Mining Indaba 2024 to shed further light on exploration and the early development of mining companies with assets across Africa.

Explorers will be able to gain access to an elite network of dealmakers to help raise finance or find the right partner to advance their project. With the support of BHP Xplore, private and/or unlisted and listed mineral exploration companies with a market capitalisation of no more than \$25m will be showcased at the heart of the exhibition floor of Mining Indaba.

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COMMON AUTOMATION PANEL FOR MIXED FLEET (ONE TO CONTROL THEM ALL)



Epiroc is now launching the revolutionary Common Automation Panel (CAP) for RCS-based surface drill rigs - Pit Viper and SmartROC DTH MKII models. CAP enables a transformation in remote control centers, with improved ergonomics and a platform approach to run mixed fleet operations from a single station.

The Common Automation Panel is designed for an innovative transformation of the control room. “CAP has been created for the modern mine remote control center environment. This product will help our customers to streamline the value chain of their surface drilling operations – and create a safer and more productive environment, says Christopher Blignaut, Automation Manager at Epiroc Surface division.

CAP creates opportunities for complete transformation, including improving the layout in the control room, the way operators are trained and work, and reduced variability and spare parts costs.

“The CAP station will bring value to the daily mining operations that focus on technology and automation – through direct opportunities to increase utilization of the fleet and reducing operating costs. Operation through CAP can

also prolong the effective life of the equipment by ensuring that equipment operates within optimal design parameters. This results in lowering maintenance costs overall”, says Christopher Blignaut.

Common Automation Panel has a new design approach, which was developed in collaboration with close partners. It includes a 12” touchscreen display and joystick configuration for different machine types, which is an important benefit when it comes to mixed fleet operations with Pit Viper and SmartROC DTH MKII as well as training for new operators. For operators, this means easier adaptation between machines and more flexibility to run the fleet. The product was also designed with improved ergonomics in mind, to allow the panel to be situated comfortably in multiple positions.

The Common Automation Panel also offers a

new safety system to further reduce the office footprint and increase the total number of machines that can connect into a control room in a single system. This is important for situational awareness during remote operations and will reduce maintenance and operating costs for larger fleets.

CAP will enable more consistent and predictable operations and a lower overall cost of ownership. In the long run, this will have a positive effect on de-carbonization as well as enhancing the health and wellbeing of the operators.

“We see increased environmental, social, and governance (ESG) demands, tighter demands on health and safety, and the need to integrate groundbreaking digitalized solutions that boost productivity in the mining environment. CAP answers these demands directly”, says Christopher Blignaut.

TRIGON GEARS UP FOR UNDERGROUND MINING AT KOMBAT MINE

Trigon Metals is set to commence the first phase of underground mining at Kombat with a 10-year mine life.

The company is gearing up for this phase in early 2024, targeting an average copper grade of 2.6%.

The underground mine's dewatering, initiated in September 2023, is now complete, and in December 2023, the company began an underground training program for staff.

"In 2023, we initiated open-pit mining operations at the Kombat Mine. In 2024, the underground Phase 1 will recommence, targeting an average copper grade of 2.6% with a 10-year mine life," Trigon stated in a notice.

The company also revealed that Epiroc Namibia has delivered brand-new underground utility vehicles, gearing up for the start of underground operations in early 2024.

"The first phase of underground mining is scheduled to kick off in early 2024, and underground training programs will continue

for the next few months to ensure that our team is well prepared to navigate the specific challenges associated with underground mining," the company said.

Jed Richardson, President and CEO of Trigon, mentioned last year that the expansion of the mill's throughput and the imminent initiation of underground mining are expected to triple the production profile while reducing production costs and enhancing profitability.

"Now that open-pit mining has achieved commercial production, processing 1,000 tonnes per day of ore and shipping 250 tonnes of concentrate a week, it is important to understand that work is well underway to expand the mill's throughput and commence mining from the underground, leading to a tripling of the production profile while lowering production costs and amplifying profitability," said the CEO.

In July and August 2023, the company installed

two powerful 2.5MW submersible pumps in the main shaft at Asis West.

Additionally, 7.2MW of emergency backup generators were put in place to guarantee uninterrupted power supply, a critical factor for efficient mining activities.

Richardson noted that the water extracted from the mine is potable and is directed into an open canal that feeds reservoirs near Windhoek.

Trigon undertook an extensive hydrogeology study to comprehend the water dynamics associated with the mine, demonstrating a commitment to environmental responsibility. In October, Kombat Copper Mine in Namibia produced 901 concentrate tonnes at a grade of 29.2% copper and 241 g/t silver.

"In a month that saw the plant reach commercial production and our first concentrate sales, concentrate production topped expectations.

We are on track to record an operating profit on October's production and are very pleased with the efforts of the team and the performance of the mine and mill," Richardson said.

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IVANHOE MINES' EXPORTS COMMENCE FROM KAMOA-KAKULA COPPER COMPLEX ALONG LOBITO ATLANTIC RAIL CORRIDOR

Ivanhoe Mines Executive Co-Chair Robert Friedland and President Marna Cloete announce today that the first shipment of copper concentrate from the Kamoa-Kakula Copper Complex has arrived by rail at the Atlantic Ocean port of Lobito, in Angola. The first shipment is a part of the trial tonnage under the memorandum of understanding (MOU) signed between Lobito Atlantic International SARL (LAI or the Consortium) and Kamoa Copper S.A. (Kamoa Copper) on August 18, 2023.

The rail line, linking the Democratic Republic of Congo (DRC) Copperbelt to the port of Lobito in Angola, is known as the "Lobito Atlantic Railway Corridor" or "Lobito Corridor".

The rail line extends 1,289 kilometres east, from the port of Lobito to the Angola-DRC border town of Luau. The line then extends a further 450 kilometres east into the DRC, on the Société Nationale des Chemins de fer du Congo (SNCC) rail network, to Kolwezi. The line passes within five kilometres of the Kamoa-Kakula Copper Complex license boundary and through the Western Foreland Exploration Project.



The previously announced trial shipment is for the transportation of up to 10,000 tonnes of copper concentrate from Kamoa-Kakula's Phase 1 and 2 concentrators, along the Lobito Corridor. Information will be gathered from the trial shipment on greenhouse gas (GHG) savings, transit times, operating costs and other factors.

An initial shipment of approximately 1,110 tonnes of Kamoa-Kakula's copper concentrate was loaded on rail wagons at the Impala Terminals warehouse in Kolwezi and departed west along the Lobito Corridor on December



23, 2023. The shipment arrived at the port of Lobito 8 days later on December 31, 2023.

Currently, Kamoa-Kakula trucks its copper concentrates by road across sub-Saharan Africa to the ports of Durban in South Africa and Dar es Salaam in Tanzania, as well as Beira in Mozambique and Walvis Bay in Namibia. In 2023, approximately 90% of Kamoa-Kakula's concentrates were shipped to international customers from the ports of Durban and Dar es Salaam, where an average round-trip takes between approximately 40 and 50 days. The distance from Kamoa-Kakula to the port of Lobito is approximately half that compared with the port of Durban and transportation by rail is both quicker and significantly less energy-intensive.



Once fully active, the Lobito Atlantic Railway Corridor is expected to significantly improve the logistics costs and reduce the Scope 3

emissions carbon footprint of Kamoa-Kakula copper exports. The development of Ivanhoe's current and future copper discoveries within the Western Foreland basin will also greatly benefit from the Lobito Corridor.

Ivanhoe Mines' Founder and Executive Co-Chairman, Robert Friedland commented:

"Our first trial shipment is an important milestone on the path to creating a new supply chain linking the Central African Copperbelt to world markets.

Establishing a reliable, modern rail link to the port of Lobito in Angola will have transformational benefits for the people of the Democratic Republic of the Congo, Angola and Zambia.

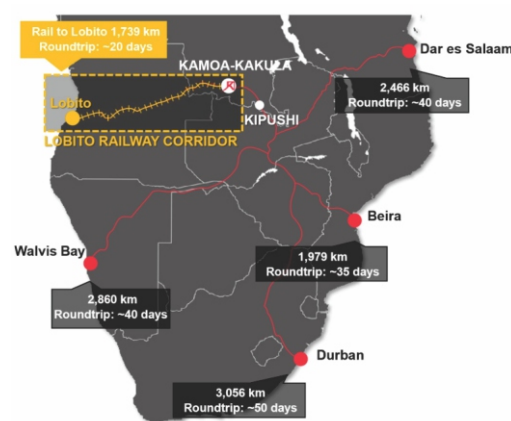
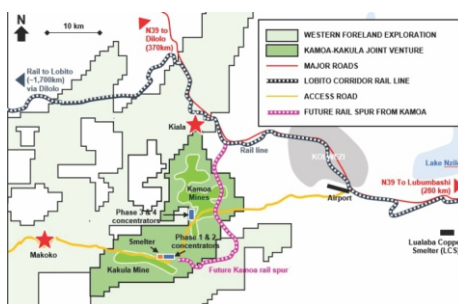
Steel wheels going downhill on steel rails, from over 3,000 feet elevation at Kamoa-Kakula down to sea level at Lobito, will lower the cost and carbon footprint associated with producing and exporting our 99.7% copper blister anodes across the Copperbelt.

Further improvements are possible through the use of technology, such as battery-electric locomotives recently launched by Wabtec Corporation of Pittsburgh, Pennsylvania, which are capable of generating electricity as they go downhill."

"Lower logistical costs unlocked by the Lobito Corridor together with our hydro-electric development projects in the DRC, with over 98% of electricity in the country already being generated by cheap, green hydropower, equate to lower cut-off grades and increase the amount of economically recoverable copper in the region. This infrastructure investment is even more important for projects like the Western Foreland, following the recent high-grade and open-ended Kitoko copper discovery and our Makoko-Kiala Mineral Resources, as we significantly increase exploration and development activities across this vast copper basin in search of our next world-class copper discovery. The world desperately needs the ultra-green copper metal that Ivanhoe Mines produces in the DRC."

LAI is a consortium, which has a 30-year concession for railway services and supports logistics on the Lobito Corridor, comprised of leading global commodities trading group

Trafigura Pte Ltd. (Trafigura), Mota-Engil Engenharia e Construção Africa SA (Mota-Engil), and Vecturis SA. The Consortium has committed to invest \$455 million in Angola and up to a further \$100 million in the DRC on the improvement of the Lobito Corridor's rail infrastructure, capacity and safety, including rolling stock consisting of over 1,500 wagons and 35 locomotives. There is also potential for additional investment in the future as the opportunity is explored to further extend the Lobito Corridor into Zambia.



The Lobito Corridor will also reduce pressure on the DRC's other logistics corridors, and dramatically reduce the cost of exporting and importing into the DRC Copperbelt. DRC, Angola and Zambia will benefit from accelerated social and economic development as a direct consequence of the support the Lobito Corridor is receiving from the United States and European governments.



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CONDRA CRANES FOR PLATREEF PGM

Condra has delivered electric hoists, two overhead cranes and a number of chain blocks to Platreef Mine, part of the Platreef PGM project near Mokopane in Limpopo Province, South Africa.

The lifting equipment will be used for machinery maintenance work at various points across the mine site.

Under development since 2020 by Ivanplats (Canada-based Ivanhoe Mines' South African subsidiary), Platreef comprises two vertical production shafts, a ventilation shaft, a concentrator and associated supporting infrastructure.

Mine production, scheduled to begin this year, will tap a 26-metre-thick flat ore body extending over several kilometres to deliver 12 megatons per annum over a lifespan of three decades, positioning Platreef among the largest platinum group metals (PGM) mines in the world. Annual yield is expected to exceed

one million troy ounces of palladium, platinum, rhodium and gold, plus useful quantities of nickel and copper.

The mine's overhead cranes and hoists are currently being installed. Condra was selected to manufacture the machines by consulting engineers Dowding Reynard and Associates.

The electric cranes, of single-girder and double-girder overhead configuration, are for the filter building and the plant workshop, one of the machines having dust-ignition-proof rating to ATEX Zone 21/22 standard. Lifting capacity of the single-girder crane is five tons, while the double-girder crane will lift loads up to ten tons. Control of both cranes will be by radio remote with manual pendant back-up.

Two hoists accompanied delivery of the cranes: a short-headroom hoist for the tailings filter, and a K-Series hoist for the mill feed conveyor. Both will be used for maintenance work.

Mining applications account for more than half of Condra's orders from customers across sub-Saharan Africa and the Americas, met by production at factories in Johannesburg and Cape Town. The European market is serviced by a subsidiary company in Bulgaria.

Condra boasts a manufacturing pedigree going back more than 50 years, claiming the highest local content of any African overhead crane supplier south of the Sahara Desert. Local content allows the company to deliver overhead cranes with the lowest possible lifetime cost, supported by a comprehensive back-up service and rapid spare parts delivery.

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The company's success in securing significant orders against determined competition seems set to continue.



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Meeting Room 1 + 2 (D)*	80	30	40	35	30	45
Meeting Room 1	40	15	20	12	-	-
Meeting Room 2	40	15	20	12	-	-
Kafue	185	-	180	140	140	180
Mukula	73	-	70	35	50	100
Lukanga	80	-	70	45	50	100
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*(D) = Dividable



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ZCCM-IH SECURES US\$1.1 BILLION STRATEGIC PARTNERSHIP WITH IRH FOR MOPANI COPPER MINES PLC

ZCCM Investments Holdings Plc (ZCCM-IH) has sealed a significant pact with International Resources Holding RSC Limited (IRH) for a strategic collaboration involving Mopani Copper Mines Plc (MCM).

The agreement, involving a total investment commitment of US\$1.1 billion by IRH, marks a transformative phase in the relationship between Glencore International AG (Glencore) and MCM, subject to specific conditions.

Key Highlights:

1. Investment Structure:

.IRH pledges US\$620 million as new equity, securing a controlling 51% stake in MCM. These funds will propel MCM's capital projects and enhance its working capital.

.An additional approximately US\$400 million will be channeled as a Shareholder Loan through the novation of Glencore debt, contributing to settling previous debts and associated letters of credit.

.Flexibility for further capital infusion through shareholder loans will be available to meet future operational needs.

2. Operational Reinforcement:

.ZCCM-IH retains a 49% equity stake in MCM upon Closing.

.Existing MCM executive management will be augmented by industry experts from IRH to bolster operational efficiency and oversee capital projects.

.Formation of a revised Board of Directors reflecting the altered shareholding structure.

3. Interim Funding and Timeline:

.IRH plans to extend up to US\$220 million as interim funding pre-Closing to fortify MCM's liquidity, forming part of the US\$620 million new equity investment.

.Anticipated Closing of the Transaction in the first quarter of 2024, subject to fulfilling Conditions Precedent.

4. Long-term Vision and Impact:

.IRH's investment aims to rejuvenate MCM's financial health, secure jobs, and offer financial backing and technical expertise for the execution of MCM's Project Development Plan.

.Ambition to elevate MCM into a 200,000-ton-

per-annum copper cathode producer within the next three years, contributing significantly to Zambia's mining sector growth.

5. Environmental, Social, and Governance (ESG) Commitment:

.IRH underscores its commitment to ESG principles, pledging collaborative efforts with ZCCM-IH and MCM to uphold local supply chains, sustain corporate social responsibility programs, and handle staff implications responsibly.

The Transaction hinges on fulfilling multiple Conditions Precedent, including ZCCM-IH Shareholder Approval, mining licenses renewal, and obtaining approvals from relevant authorities.

ZCCM-IH is diligently preparing a comprehensive Transaction Circular for shareholders to facilitate voting at an Extraordinary General Meeting expected in the first quarter of 2024. Further updates will follow as the process advances.

This landmark partnership signifies a concerted push to bolster Zambia's mining industry, fortify economic prospects, and cultivate sustainable growth for Mopani Copper Mines Plc.

MORE PROSPECTIVE INVESTORS SHOW INTEREST TO CONSTRUCT OIL PIPELINES IN ZAMBIA

Energy Minister Peter Kapala disclosed that his ministry has in the recent past received a good number of prospective investors in the construction of oil pipelines. In an interview, Mr. Kapala said some of the proposals received are the construction of a pipeline between Zimbabwe and Lusaka, another pipeline between Mozambique and Lusaka through to Ndola while another one is earmarked between Dar-es-re-salaam and Lusaka.

Mr. Kapala said government wants to ensure Zambia is fuel secure and that once actualized,



these projects will result in fuel security. And Mr. Kapala said government is working at finding a fuel supplier that will give the country a price that lasts up to three months or more in

an effort to revise the fuel pricing mechanism from the current monthly to a prolonged period to enable the public and businesses plan effectively.

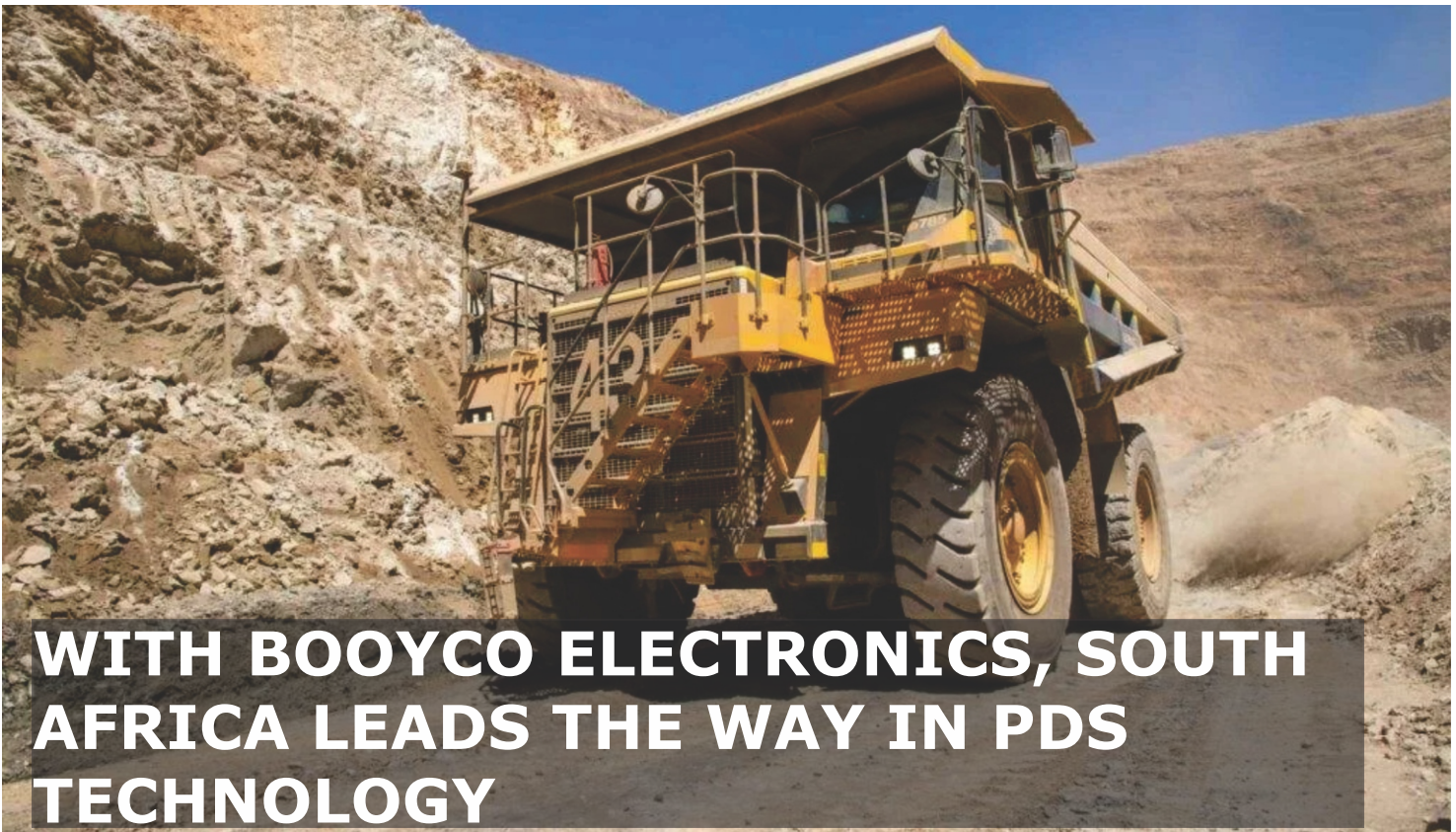


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WITH BOOYCO ELECTRONICS, SOUTH AFRICA LEADS THE WAY IN PDS TECHNOLOGY

Booyco Electronics, an original equipment manufacturer specialising in mine safety equipment, has witnessed a surge in demand for its Proximity Detection Systems (PDS) and Collision Prevention Systems (CPS) since the regulation's promulgation. These systems offer crucial vehicle-to-pedestrian and vehicle-to-vehicle detection capabilities.

In December 2022, South Africa implemented the Mine Health and Safety regulation focused on trackless mobile machinery. This regulation aims to reduce collisions involving diesel-powered trackless mobile machinery in the mining industry, ultimately decreasing fatalities and injuries.

A decade ago, the mining sector faced a grim reality with 270 annual fatalities. However, the industry has made significant strides in reducing these numbers by 20% annually, resulting in improved safety records.

Booyco Electronics has witnessed a surge in demand for its Proximity Detection Systems (PDS) and Collision Prevention Systems (CPS) since the regulation's promulgation. In 2021, the industry saw a slight setback with an increase in fatalities and injuries, but progress remains evident as 49 too many fatalities were recorded last year.

Booyco Electronics, an original equipment manufacturer specialising in mine safety equipment, has witnessed a surge in demand for its Proximity Detection Systems (PDS) and Collision Prevention Systems (CPS) since the regulation's promulgation. These systems offer crucial vehicle-to-pedestrian and vehicle-

to-vehicle detection capabilities.

Anton Lourens, CEO of Booyco Electronics, notes that South Africa's mining industry has been proactive in adopting technologies and innovative products to foster behavioural changes in pursuit of safety.

With stricter mine safety legislation, the company is focused on ensuring compliance with South African proximity detection and collision prevention systems requirements.

Lourens says the Minerals Council South Africa played a pivotal role in understanding and mediating around this regulation and identified concerns related to equipment supply, installation, and maintenance. In addition to implementation of PDS systems, some mining houses are keen to take ownership of product maintenance, requiring comprehensive training for their personnel and this creates further opportunities for Booyco Electronics to expand its workforce.

"Significantly, South Africa was the first country to regulate PDS deployment in mining, attracting interest and engagement not only locally but also internationally," Lourens says. Booyco Electronics, in business for over 17

years, has evolved its product line to meet diverse operational needs. However, Lourens emphasises that PDS alone cannot guarantee safety improvements and that overall CPS success hinges on buy-in from all stakeholders implemented through an integrated approach.

"The mining industry's appetite for technology adoption varies, but the majority has been quick to embrace advanced technology systems, including PDS and CPS. Better connectivity and data management are also priorities, aiding in safety, efficiency, and productivity enhancement," he adds.

The company, which is also growing its African footprint, already has a presence in Congo, Ghana, Namibia and Zambia, and has been appointing collaborative technology partners in areas that have a similar mode of operation to that of South African mines.

Lourens says that digital twin technology is also gaining traction, enabling real-time scenario simulations for risk mitigation, traffic management and analyses and movement monitoring. Booyco Electronics remains committed to helping industries save lives and reduce injuries through its innovative technology.

SANDVIK AND BARRICK EXTEND GLOBAL FRAMEWORK AGREEMENT

Sandvik and Barrick will aim to improve safety, productivity and sustainability through implementing the latest technology advancements. The agreement will be guided by operational and relationship KPIs.

“Sandvik Mining and Rock Solutions supplies value-adding technologies for our global mining operations,” said Glenn Heard, Mining Executive at Barrick. “This mutually beneficial cooperation will help ensure we continue our growth journeys in the areas of automation,

digitalization and electrification in order to drive improvements across our sites.”

The extended framework agreement includes Barrick’s rollout of Sandvik’s Remote Monitoring Service (RMS) to its entire global underground fleet of more than 200 connected Sandvik trucks, loaders and drills. RMS has already reduced maintenance costs while increasing uptime across Barrick’s Sandvik fleet.

Under the framework agreement, Sandvik and

Barrick will also develop a long-term BEV strategy and define BEV transition plans in line with Barrick’s objective to be carbon neutral by 2050.

“This extension of our agreement will strengthen Sandvik’s partnership with Barrick,” said Hugo Hammar, Global Account Manager at Sandvik Mining and Rock Solutions. “We look forward to continuing to work hand-in-hand to add value to Barrick’s business.”

CHINA’S HUATI LIGHTING RISES ON PLAN TO BUY MAJORITY STAKE IN MOZAMBIKAN LITHIUM MINER

Shares of Sichuan Huati Lighting Technology rose after the Chinese outdoor lighting maker said the firm plans to improve its positioning in the new energy supply chain by buying a controlling stake in a lithium mining firm in Mozambique for USD3 million.

Huati Lighting [SHA: 603679] closed up 2.6 percent at CNY14.30 (USD2) a share in Shanghai on Wednesday (27 December), bringing the stock’s gain so far this year to almost 20 percent.

A unit of Huati Lighting will acquire 85 percent of Kyushu Resources, which was set up in August and owns exploration right No. 11,682 in the Gilé district of Mozambique’s Zambezia province, its Chengdu-based parent company announced late on Tuesday.



Huati Lighting will start sinking mines and extracting lithium ores by itself or with a professional third party, it noted.

The company will ship the processed lithium concentrates through the port of Nacala, around 350 kilometres away, to Shanghai for sale to clients in China, it added.

The project’s likely fixed-asset investment and working capital will be up to USD10 million, Huati Lighting noted, citing the latest report by an industry consultant. Presuming no significant changes in lithium carbonate prices, the project will likely gross USD103.6 million of annual revenue, with a profit of USD45.6 million after it reaches full capacity, according to the company.



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INTEGRATED PUMP TECHNOLOGY NOW EXCLUSIVE GODWIN PUMP DISTRIBUTOR IN ZAMBIA/DRC

The appointment of Integrated Pump Technology as the exclusive distributor of Godwin diesel driven dewatering pumps in Zambia and the Democratic Republic of the Congo heralds a new era of efficient and cost effective dewatering solutions for the mining industry in these regions.



South Africa based, Integrated Pump Technology has been appointed as the exclusive distributor for Godwin diesel driven dewatering pumps in Zambia and the Democratic Republic of the Congo (DRC). This strategic move underscores Integrated Pump Technology's remarkable success in providing high performance dewatering pump solutions across the mining sector in the region.

Jordan Marsh, Managing Director at Integrated Pump Technology, says the company's appointment not only grants customers access to the full spectrum of Godwin dewatering pump units but also marks the introduction of the powerful Godwin HL270, the largest

dewatering pump in the range, to customers in the region.

Designed to tackle the unique challenges posed by dewatering in deeper mines as well as in high pressure water transfer applications with remarkable efficiency, the diesel driven Godwin HL270 is destined to become a popular choice for mining operations in both Zambia and the DRC.

The Godwin HL270, one of the latest additions to the Godwin pump range, is set to change dewatering in the mining industry. With a maximum head of 300 metres and a higher efficiency impeller, the HL270 offers an unparalleled solution for mines operating at

greater depths while minimising power consumption.

One of its standout features is its ability to automatically prime to 8.5 metres of suction lift from a dry start. Moreover, this robust pump can handle various fluids and liquids, including those with solids up to 30 mm in diameter.

Its flexibility in operation is another highlight, as it can be equipped with either automatic or manual starting/stopping options through an integral mounted control panel or optional wireless remote access, depending on the specific application.

"While access to high performance pumps is crucial, the importance of dependable aftermarket support cannot be overstated, particularly in remote mining regions," Marsh says.

"Our teams have extensive experience in the Copperbelt region, and this includes skilled field service technicians capable of providing comprehensive technical support on an ongoing basis.

This ensures that mining operations in Zambia and the DRC can rely on prompt assistance, minimising downtime and maximising productivity."

Marsh says this ready access to reliable aftermarket support, makes Godwin pumps a competitive choice for mining operations in

these demanding African environments.

"Godwin dewatering pumps are not only powerful and efficient but also cost competitive, and this allows customers access to a quality manufactured product capable of meeting demanding dewatering needs," he says. "This affordability makes Godwin pumps an attractive option for both large-scale mining operations and smaller ventures looking to optimise their dewatering processes."

The Godwin range, distributed exclusively in

Zambia and the DRC by Integrated Pump Technology, caters to a wide array of dewatering requirements.

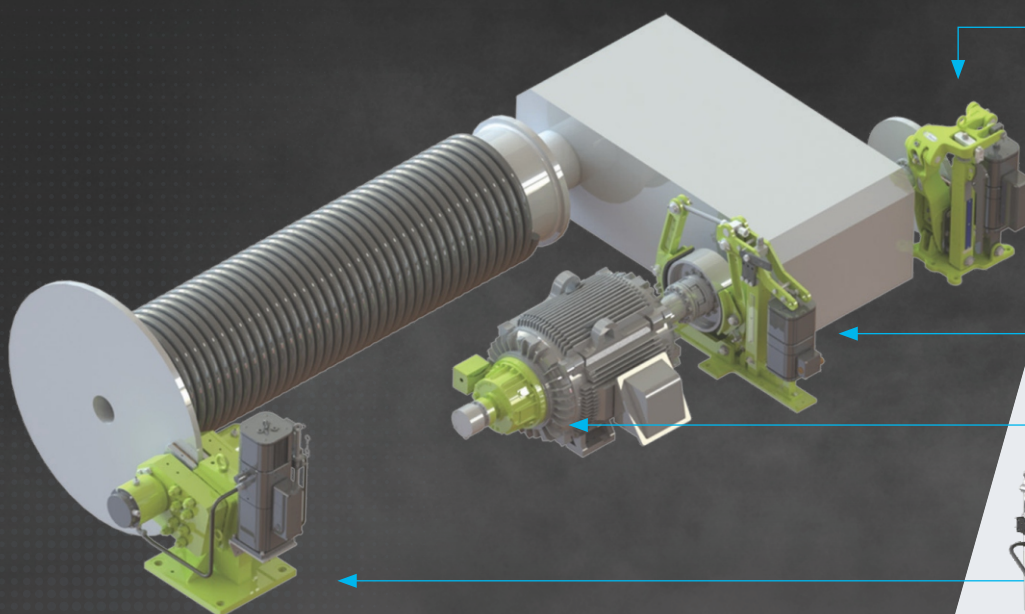
Another member of this range is the Godwin BD150 which is ideal for everyday dewatering applications. Its versatility makes it a reliable choice for a multitude of tasks in the mining industry.

"We believe that the appointment of Integrated Pump Technology as the exclusive distributor of Godwin pumps in Zambia and the Democratic Republic of the Congo heralds a new era of efficient and cost effective dewatering solutions for the mining industry in these regions, Marsh concludes.



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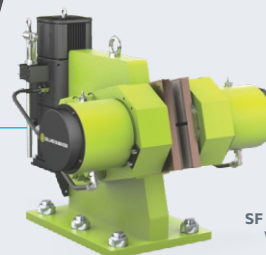
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SCHURCO SLURRY DELIVERS HIGH-PERFORMANCE POLYURETHANE-LINED PUMPS TO BOOST COPPER MINING OPERATIONS



In a significant development for the mining industry, Schurco Slurry, a leading heavy-duty centrifugal slurry pump manufacturer, has successfully supplied 20 new pumps to a copper mine in the Northern Cape.

This milestone is accompanied by a substantial order of spares valued at over R600 000 from a prominent copper company in Zambia.

The products provided are set to play a crucial role in enhancing the operations of both clients, spanning copper processing and tailings facilities management.

Schurco Slurry's success can be attributed to its commitment to innovation and high-quality materials. The recent surge in demand in Zambia has prompted the company's local supplier to maintain a substantial stock of various components, reflecting the industry's growing reliance on Schurco Slurry's offerings.

The supplied equipment, including pumps, liners, impellers, and other spares, is tailored for the harsh and corrosive environments encountered in copper processing. Notably,

Schurco Slurry specialises in the use of polyurethane, a proven material known for its exceptional resistance to corrosion and abrasion.

The wet-end spares are manufactured from Schurco Slurry's proprietary polyurethane compound, boasting a wear life approximately 66% longer than alternative linings available on the market.

The manufacturing and research processes take place at Schurco Slurry's state-of-the-art facilities in the US and South Africa.

Marc Young, Schurco Slurry Pump applications and projects manager, emphasises the company's dedication to addressing the challenges posed by variable minerals processing. He notes that Schurco's slurry pumps are customised for each mine and application, ensuring optimal performance and longevity.

The South African branch, located in Johannesburg, and the US holding company maintain extensive stocks to meet the demands of global markets.

In addition to serving clients in Zambia and the Northern Cape, Schurco Slurry supplies copper mines in the Democratic Republic of Congo, South America, and Eastern Europe.

The company is actively planning an expansion into African territories and has established an office in Dubai to cater to the Middle East and surrounding regions.

Polyurethane-Lined Slurry Pumps: An Industry Game-Changer

Polyurethane-lined slurry pumps have become a cornerstone in various industries, particularly in mining, mineral processing, and wastewater treatment. What sets these pumps apart are their exceptional attributes that contribute to enhanced efficiency, reduced maintenance costs, and a more sustainable industrial landscape.

Polyurethane-lined slurry pumps offer a myriad of advantages, including exceptional wear resistance, chemical compatibility for handling corrosive slurries, lightweight design for easy installation and maintenance, dampening properties for a safer working environment, high-efficiency impellers reducing energy consumption, modular designs for straightforward maintenance, easy customization for specific operational needs, abrasion-resistant linings prolonging component life, and environmental friendliness through recyclability and reduced emissions during manufacturing.

In conclusion, the success of Schurco Slurry in supplying polyurethane-lined pumps attests to the numerous advantages of this technology.

These pumps offer a compelling combination of wear resistance, chemical compatibility, durability, efficiency, and safety.

As industries continue to rely on the efficient transport of abrasive and corrosive materials, polyurethane-lined slurry pumps stand out as indispensable assets, contributing to a more sustainable and efficient future.

SOUTH AFRICAN RARE EARTHS PROJECT RECEIVES U.S. SUPPORT

The United States (U.S.) is showcasing its support for South Africa's Phalaborwa Rare Earths Project – poised to become the largest, low-cost producer of rare earths oxides globally – with Mining company, Rainbow Rare Earths, hosting a U.S. Congressional staff delegation for a site visit at the project this week.

The visit follows a \$50 million investment in the project by the U.S. government's International Development Finance Corporation.

The investment – which was announced on 3 December 2023 during the COP28 Summit in Dubai – will be made to private company, TechMet Ltd., for direct investment into the Phalaborwa project.

“Phalaborwa is rightly gaining traction as an important and strategic source of all four of the critical rare earths required for the green energy transition, as well as other next-generation technologies, including those essential to defense and national security,” stated Rainbow Rare Earths CEO, George Bennett.

The Phalaborwa project will target two above-ground piles of phosphogypsum, which features a significant concentration of neodymium, praseodymium, dysprosium, and terbium – strategic rare earths that are designated as critical minerals due to their high-tech and renewable energy applications.

The project, which is due to start production in 2026 and serves as a strategic source of

critical rare earths, underscores the global push to produce critical minerals vital for clean energy technologies.

The relatively low production costs for the above-ground project is poised to give Rainbow Rare Earths a competitive advantage over competitors in China and in the West.



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