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MARCH/APRIL 2020



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## Anzi Plant & Mining Services flourishes in civils, mining thanks to Goscor



thanks to its Cummins QSL8.9 engine, which provides maximum power, high efficiency, and large displacement. Multipoint fuel injection allows for immediate throttle response, enhanced fuel efficiency, and reduced noise, while the Cummins engine also complies with the Tier 3 emission standard.

The DANA axis-shift transmission with electronic control system is ideal for automatic shifting, maximum efficiency, and an extended 10 000-hour service life. Features include a forward/reverse handle and fingertip controls that make it easy for an operator to switch between left and right hands.

A three-year-long relationship with the Goscor Group has allowed Anzi Plant & Mining Services to grow its footprint in the civils and mining industries in the Western and Northern Cape. The company has an extensive fleet capable of meeting the arduous demands of both sectors.

This includes 12 SANY SY956 front-end loaders and two 50 t excavators, as well as 12 skidsteers and TLBs from Bobcat Equipment South Africa. The larger equipment is predominantly used to service large mining clients, while the smaller more flexible equipment is deployed mainly for construction contracts, Anzi Plant & Mining Services MD Theuns Burger explains.

The SANY SY956 features optimum efficiency







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 Notes to the Editor  
 To download hi-res images for this release, please visit <http://media.ngage.co.za> and click the Goscor Group link to view the company's press office.

**About the Goscor Group**  
 Industrial equipment group Goscor is a Bud Group company. Goscor represents leading equipment brands across several sectors. These include Crown, Doosan, Bendi, Hubtex and Taylor Dunn (forklifts and materials handling equipment); Bobcat (compact & construction); SANY (earthmoving); Tennant, Elgin, Maer, Delfin, Kaivac and HighPoint (industrial cleaning equipment); HPower, Weima, Meiwa and Rato (industrial power solutions); Genie (aerial lift equipment); Sullair and Ozen (compressed air solutions), and many more.

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A solenoid valve and logic control achieve a much smoother shifting and faster response.

Burger comments that Anzi Plant & Mining Services remains positive for 2020, and is looking to extend its fleet even further due to pending contracts in both the construction and mining industries. "We have established long-term relationships with our clients, many of which continue to be active in Africa."

Given the high capex investment in its fleet, Burger points out that aftermarket support and technical back-up are key, which is where Goscor excels. The group is present in all strategic mining and construction areas in the country, which facilitates client service. "Parts availability is no problem, while the workmanship of the Goscor mechanics is always exemplary," Burger concludes.

# CANON AT FESPA 2020: IGNITE YOUR IMAGINATION, FUEL YOUR PROFITS

*Canon will ignite visitors' imaginations at FESPA 2020 (24th-27th March, Madrid, Spain) to show how they can fuel growth into new markets. At the Canon booth (hall 7, stand A60), signage and graphics producers will be motivated to boost operational efficiencies and drive business success with more creative applications.*

turn print into profit, Canon's range of large format digital print and workflow solutions will be on display, including the successful Colorado roll-to-roll printer family and Arizona flatbed portfolio. Application experts will be on hand to show print service providers (PSPs) how print's tactile qualities can maximise impact and how media selection enables creative applications.



Visitors will be inspired by a wide range of large format graphics applications, including indoor point-of-sale and point-of-purchase; display and packaging; interior décor including wall coverings; outdoor promotion such as banners, soft signage (backlit textile); and vehicle graphics (self-adhesive). Demonstrating ultimate media flexibility to

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Canon's Colorado 1650 and Arizona 1300 products

With over 1,200 installations of the Colorado family, both the Colorado 1640 and 1650 models will be on show. Visitors will see first-hand how UVgel technology can help them handle larger production volumes with ease and give them the confidence to enter new markets such as soft signage, interior décor and vehicle graphics.

For customers looking to print double-sided applications with ease, the Colorado 1640 will be in a live automated, end-to-end, print and cut workflow with the Fotoba inline cutting solution. Visitors will see in real-time how large format roll-to-roll graphics such as wallpaper can be automatically fed from the Colorado onto the Fotoba inline finishing solution, with no need for an operator to turn the media manually, speeding up production for even faster delivery.

The Colorado 1650 will print a large variety of media such as soft signage, wallpaper and self-adhesive vinyls, demonstrating how FLXfinish technology gives users the choice of matte or gloss modes for each individual print on a wider range of media, for visually appealing, high margin work such as premium POS graphics and beautiful décor applications.

A second Colorado 1650 will be seen for the first time integrated with a Fotoba Jumbo Roll, feeding the printer and then automatically cutting the flexible media into customised sizes and lengths. With this 'UVgel Wallpaper Factory' production set-up, customers can say goodbye to manual operation and achieve full automation for maximum productivity. This

solution will be displayed on the stand of Canon's partner Fotoba (stand 7-A55).

The Colorado printers will be supported by ONYX 19 and Caldera 13 partner software.

#### Fuel flatbed profits and speed ahead

The Arizona 1360 GT flatbed printer, which recently won the 2020 iF Product Design Award, will also be in live production featuring a roll media option (RMO). It will showcase a range of interior décor output such as wood and glass, wall coverings and acoustic panels. Coupled with Arizona Xpert, an innovative solution that simplifies and automates complex work such as multi-layered and double-sided print jobs, customers will see it is now easier than ever to automate flatbed production, increase operational efficiencies and reduce waste.

Alongside ProCut, Canon's solution that streamlines cutting of flatbed graphics, the Arizona models will be supported by partner software solutions from OneVision and ONYX 19, as well as other integrated cutting solutions from partner Zünd.

For visitors looking to take automation to the next level, there will be a video demonstration of a robotised workflow solution from partner Rolan Robotics. Applications can be seamlessly transferred from the Arizona flatbed printer to a Zünd cutter in a complete end-to-end automated process.

Through live application demos, customers can also discover how to add even more value to large format prints with personalisation and textured effects, for example using software tools like Touchstone to create textured furniture panels and wallpaper, or working with solutions from Canon partners such as the flatbed scanner from CRUSE that digitally scans 2D and 3D images of original materials such as floors, furniture, ceramics and mimics their patterns, textures or aesthetics for printing interior décor applications and fine art reproduction.

Wouter Derichs, Sales & Marketing Director, Large Format Graphics at Canon Europe,

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Canon will inspire visitors with a wide range of large format

comments: "Our mission at FESPA 2020 is to spark visitors' imaginations with more creative applications than ever before. We're out to show how great ideas, supported by operational excellence and clever automation, can drive business growth by fueling new opportunities. Bringing together innovative digital wide format printing technology with intelligent software and a range of media, PSPs can truly add value for their customers, deliver incredible products and boost their margins. Canon at FESPA 2020 will put customers on the fast track to business growth."

**About Canon Europe**  
 Canon Europe is the EMEA strategic headquarters of Canon Inc., a global provider of imaging technologies and services. Canon Europe has operations in roughly 120 countries, with approximately 13,500 employees and contributes to around a quarter of Canon's global revenues annually.

Founded in 1937, the desire to continuously innovate has kept Canon at the forefront of imaging excellence throughout its 80-year history and has commitments to invest in the right areas and capture growth opportunities. From cameras to commercial printers, and business consultancy to healthcare technologies, Canon enriches lives and businesses through imaging innovation.

Canon's corporate philosophy is Kyosei – 'living and working together for the common good'. In EMEA, Canon Europe pursues sustainable business growth, focusing on reducing its own environmental impact and supporting customers to reduce theirs using Canon's products, solutions and services.

Further information about Canon Europe is available at: [www.canon-europe.com](http://www.canon-europe.com)

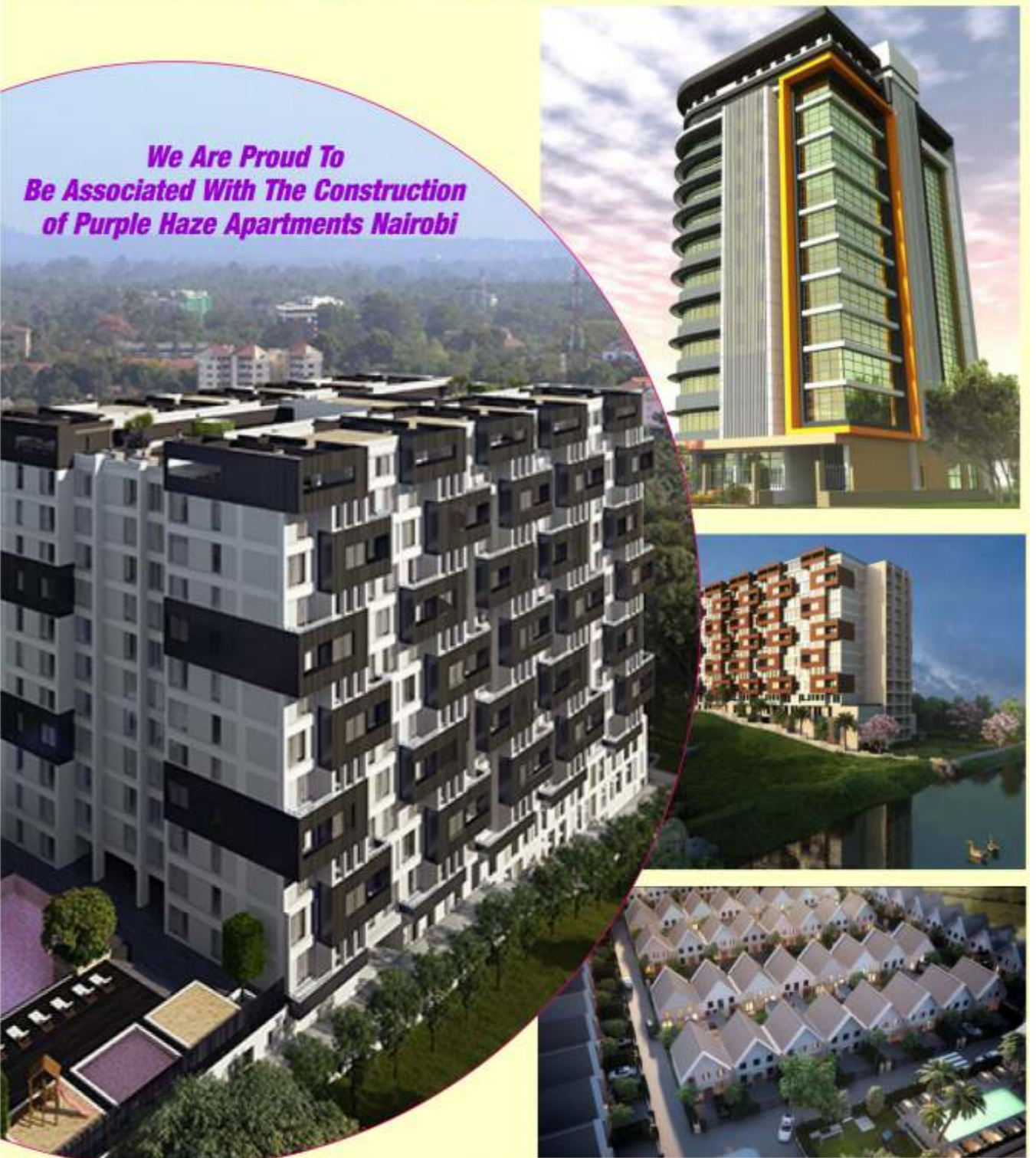
**About Canon South Africa**  
 Canon South Africa (Pty) Ltd, a wholly owned subsidiary of Canon Europe, came into being on January 4, 2000. Canon Europe is the regional sales and marketing operation for Canon Inc., represented in 120 countries and employing over 11,000 people across Europe, the Middle East and Africa (EMEA). Canon Europe invested in South Africa with a view to growing and expanding its market share in the country.

In South Africa, the Canon brand is today synonymous with consistency, driven by the company's passion, imagination, knowledge and importantly, loyalty to its customers. Canon SA offers a wide range of consumer imaging products and business solutions as well as a variety of large format printers. Canon technologies are durable, innovative, intuitive, and feature smart and environmentally sustainable designs. Canon invests heavily in R & D and will continue to deliver new and technologically advanced products that cater for a variety of requirements.

In South Africa Canon will continue to support environmental sustainability by operating responsibly, minimizing the impact of its business on the environment and also encouraging a culture of environmental awareness and accountability amongst their staff, business associates and partners. Canon has also maintained its ISO 14001 environmental accreditation since 2007.

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# EXXARO OFFICIALLY HANDS OVER ARNOT MINE TO FORMER EMPLOYEES

One of South Africa's largest black-empowered mining companies, Exxaro, will today finalise its transfer of the Arnot Mine to Arnot Opco, a company, that is owned by former employees, communities and Wescoal.

This is a ground-breaking and first of its kind transaction in South African mining history and a transaction that will benefit former employees of Arnot and the community at large. The transaction embodies the spirit of empowerment and demonstrates Exxaro's commitment to responsible corporate citizenship.

For the first time in the history of South Africa, a mine will be given back to its former employees. This comes 8 months after the Minister of Mineral Resources and Energy – Hon. Gwede Mantashe, granted the cession of the mining rights of Arnot Mine to Arnot Opco which will benefit employees who were retrenched following the expiry of the coal supply agreement with Eskom in December 2015.

The transaction involved Exxaro transferring the Arnot mining rights and its movable and immovable assets at no cost. Former employees at Arnot Mine have been given 50% ownership of the mine through a trust, as well as a private entity, Innovators Resources (Pty) Ltd ("IR").

IR has partnered with Wescoal Holdings [WSL] - a coal miner, trader and supplier to the domestic and export market, to restart the Arnot mine and unlock its value. IR is 100 percent owned by former mineworkers, while Wescoal's 50 percent interest is subscribed for in Arnot HoldCo, whose only asset is its shareholding in Arnot OpCo, which in turn holds the Arnot Mine.

This ground-breaking deal enables Arnot Opco to restart the mine and it is anticipated that production will mostly be supplied to Eskom. Arnot Mine can potentially deliver coal to the Arnot Power Station by conveyer belt, resulting in a significant cost competitive advantage.

According to CEO of Exxaro, Mxolisi Mgojo, Exxaro has completed the important steps towards transformative employee empowerment. "Exxaro strives to power better lives in Africa and beyond and this partnership is testament to how we live our purpose. We look forward to the success and contribution that Arnot Opco will make to the industry and the community."

Bontle Aphane, CEO of Arnot Opco, is confident that Arnot Mine will be in production soon and is pleased with the progress Arnot Opco has made towards taking control of the asset. "I am confident of the Arnot mine team's capability and we aim to be successful by collaborating with all stakeholders."

Wescoal CEO, Reginald Demana, said "We are excited being part of this landmark transaction which embodies broad-based empowerment and secures employment, providing employees and communities around the mine with equity participation as outlined in Mining Charter Three. Additionally, we are pleased that Wescoal Mining is the enabling partner in the relationship with IR in unlocking value from these coal reserves that otherwise would have been sterilized by a 'standard' mine closure process."



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# Atterbury develops new Cape Town showroom for WeBuyCars



Atterbury - Louis van der Watt and Faan van der Walt

Leading property developer and investor Atterbury has handed over the innovative fast-track R 150 million development of a new purpose-built showroom to car resale specialists WeBuyCars in the Western Cape.

The greenfields dealership development includes 13,500sqm of car floor space and 800sqm of offices. The showroom of this car supermarket can accommodate up to 700 cars.

Atterbury's development manager, Arno du Plessis, says, "WeBuyCars' brief was to create a showroom that offers a superior customer experience with space for at least 700 cars at a time. We are confident that the end result of this development is everything they wanted and more."

Atterbury successfully delivered within an extremely tight turnaround time – a mere 10 months from concept to occupation. Construction started at the beginning of June 2019, and WeBuyCars opened the doors to welcome customers to its new showroom on 1 December.



Atterbury - We Buy Cars exterior view

Du Plessis explains that in order to meet WeBuyCars' schedule, Atterbury involved contractor Stabilid Cape with the project earlier than usual in the development process, before construction began. In-depth pre-planning by the team, which included project architect Boogertman + Partners, helped flag and remove potential snags to avoid delays in completion.

Faan van der Walt, CEO of WeBuycars, comments, "The development programme for this project was certainly impressive. The Atterbury development team met their timelines and delivered a quality product within budget and in record time."

Designed to offer customers an excellent experience while putting them in the drivers' seat, the bright, airy WeBuyCars showroom cleverly uses generous natural light to showcase the gleaming cars to maximum effect.

Another advantage is the showroom's accessible location in Cape Town's rapidly growing northern suburbs. It is conveniently positioned for car sellers and buyers from across the region and beyond. Located on the corner of the R300 and Bottelary Road in Brackenfell, it enjoys quick access to the R300, which links with both the N1 and N2 highways.

This landmark development for WeBuyCars adds to Atterbury's track record of delivering purpose-built car showrooms for various dealerships, including BMW and Joburg City Ford in Johannesburg's recently revitalised Newtown.

It also adds to Atterbury's impressive list of successful projects in the Western Cape, which include being the Citadel development in Claremont and project oversight of the Waterway House in the V&A Waterfront. It also recently developed the new Mediclinic hospital in Stellenbosch and lovingly restored the national monument and Stellenbosch's second oldest building, La Gratitude Manor House. Atterbury's latest mixed-use projects in the Western Cape include the development roll-out of Richmond Park, the prime business site on the N7 corridor as well as King Air Industria adjacent to the Cape Town International airport.



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# Brokk Offers BCP Planer For Controlled Material Removal



Brokk, demolition, BCP Planer, Grinding, Brushing, Concrete Removal, Asbestos, Nuclear

Brokk, the world's leading manufacturer of remote-controlled demolition machines, offers the BCP Planer Attachment for controlled material removal on walls, floors and ceilings for cleaning, renovation and restoration applications. The three models in the BCP series are specially designed to work with Brokk remote-control demolition machines and offer up to 7 times the speed of handheld options while providing greater precision and safety for grinding, brushing or removing concrete, glue, carpet, tile and other materials. Hood and vacuum connections are also available, enabling operation in contaminated environments such as asbestos and nuclear applications.

"Our industry continues to prioritize safer, more efficient options, and Brokk remains at the forefront with innovations that allow contractors to work smarter — and safer — not harder," said Lars Lindgren, president of

Brokk Inc. "With the BCP Planer, our customers can tackle more jobs in more industries with confidence. The attachment streamlines removal applications by eliminating the need for bulky scaffolding and additional manpower and offers a degree of precision that handheld options just can't match."

The high-efficiency BCP Planer offers contractors a revolutionary new option for quickly and precisely removing deteriorated or contaminated concrete, adhesives or other materials in a number of applications including industrial cleaning, abatement, bridge repair and many more. With a maximum cutting depth of 1/4 inch (.64 centimeters) per pass — 1/2 inch (1.3 centimeter) combined — and automatic leveling in all directions, the BCP Planer provides high-quality, even removal across a wide area, unlike handheld options which often provide uneven results.

For hazardous material removal, this creates significant savings by removing only the contaminated material and reducing waste handling costs. The BCP Planer offers 360-degree rotation which allows contractors to work at any angle, including overhead, for maximum efficiency.

A selection of cutting drums for different operations further increases versatility. And with drum replacement taking less than 5 minutes, contractors can quickly switch from removing concrete to removing plaster, glue and Asbestos.

The BCP Planer is fully remote controlled from the Brokk control box, increasing operator safety and comfort over handheld options. In overhead applications, the BCP Planer and Brokk's remote-controlled technology offers increased safety by moving crewmembers outside the danger zone, eliminating the risk of falling concrete and scaffolding missteps. An integrated dust suction feature that works with the contractor's preexisting vacuum system further increases safety by capturing harmful dust particles.

The BCP Planer comes in three sizes designed for specific Brokk models. The BCP 215 pairs

with the Brokk 110 or 120D. The attachment has a 10-inch (25.4-centimeter) drum and a stroke length of 51 inches (129.5 centimeters). The BCP 250 pairs with the Brokk 200 and has the same drum width as the 215 but offers a slightly larger working area with a travel length of 60 inches (152.4 centimeters). The largest in the series is the BCP 350, designed for the Brokk 300, 500 and 520D. This model has a drum width of 13 inches (33.2 centimeters) and a stroke length of 55 inches (139.7 centimeters).

The BCP Planer is just one of many efficiency-enhancing attachments available from Brokk that allow operators to expand their options. For more information visit [www.brokk.com](http://www.brokk.com).

Suggested Social Media Post: @Brokk USA offers the BCP Planer Attachment for up to 7 times the productivity of handheld options while providing greater precision and safety for grinding, brushing or removing concrete, glue, carpet, tile and other materials. {link and photo}

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## Rise Up launches Gender Equity initiative in SA with support from Cummins Inc.



Christian Ndomba, Cummins Corporate Responsibility Leader AME

Stock Exchange early on Friday 13 September 2019 in support of the planned high-profile #SandtonShutdown protest against Gender-Based Violence (GBV). The protest came a day after national crime statistics indicated that violent crimes and murder had risen alarmingly.

Despite many South African policies that promote women's and girls' rights, South Africa has one of the highest rates of females killed by interpersonal violence in the world, according to the World Health Organisation. Gender-based violence creates significant obstacles for women and girls, limiting their economic opportunities, education, and their chance to live productive lives.

Rise Up will launch its global Gender Equity

Initiative in South Africa, with support from Cummins Inc., on 3 February. Twenty visionary leaders from Gauteng and the Durban Metropolitan area have been selected from a very competitive pool of applicants to join Rise Up's powerful network of more than 600 leaders advancing women's and girls' rights and well-being around the globe.

This new cohort of Rise Up Leaders will participate in a week-long intensive Advocacy and Leadership Accelerator workshop in Pretoria to strengthen their leadership, build their advocacy capacity, and develop their own advocacy strategies to improve the lives of girls and women in their communities, and create national-scale impact in South Africa. Following the Accelerator, Rise Up Leaders will apply for competitive seed funding to launch their strategies to advance education, equity, opportunity, and social justice for women and girls.



Rise Up and Cummins hosted a week-long Advocacy and Leadership Accelerator workshop in Pretoria





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Rise Up, an international non-government organisation based in Oakland, California, will invest in these local leaders to strengthen their organisations, so that they can lead change in their communities through improved laws, programmes, and funding for women and girls. Since 2009, Rise Up Leaders have advocated for over 120 laws and policies impacting 135 million people in Africa, Latin America, South Asia, and the US. With support from Cummins Inc., Rise Up is building a global movement of visionary leaders dedicated to advancing gender equity.

Cummins Inc. launched the Cummins Powers Women Initiative in March 2018, a monumental investment in proven programmes like Rise Up that create large-scale impact in the lives of girls and women globally. “Cummins’ mission is to make people’s lives better by powering a more prosperous world, and Cummins Powers Women epitomises this purpose,” said Tom Linebarger, Cummins Inc. Chairman and CEO. Since the launch of the initiative, a total of 74 grants have been awarded globally. Cummins itself has committed a \$10 million investment over three years. The grants are dependent on the business case and specific requirements of each Non-Governmental Organisation (NGO). Christian Ndomba, Corporate Responsibility Leader – Africa Middle East, reveals that the direct impact equates to 34 123 people having received training or support directly from funding (for example, a client receiving training due to a grant.) The primary impact has been 66 615 people benefiting from those directly impacted by funding (for example, a person receiving education from a client trained by means of a funded programme.) The secondary impact has been 5 604 781 people benefiting indirectly from grant funding (for example, a person affected by a change in the law or policy.)

The partnership with Cummins Inc. has expanded Rise Up’s reach to activate women and girls to realise their own potential, and speak out as leaders to create a more just and equitable world. “We are deeply honoured to partner with Cummins to advance gender equality globally. Rise Up is leveraging this partnership to invest in the vision of girls and women leaders to transform their own lives,



Rise Up launched its Gender Equity Initiative with support from Cummins Inc.

families, and countries,” said Denise Dunning, Rise Up Founder and Executive Director.

For further information, contact Rise Up South Africa Project Coordinator Lindelwe Mapurisa at +27 (0)604593757, or email [Imapurisa@riseuptogether.org](mailto:Imapurisa@riseuptogether.org). Website: [www.riseuptogether.org](http://www.riseuptogether.org) Facebook: @RiseUpforGirls Twitter: @RiseUpforGirls



Twenty visionary leaders from Gauteng and Durban were selected to join the Rise Up network



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# Molex range of heavy-duty connectors from Powermite - the smart connection

Powermite once again proudly sets the innovation benchmark with the introduction of the Molex range of heavy-duty connectors to customers across Southern Africa.

Part of the Hudaco group, Powermite, boasts close on five decades of experience as a purveyor of locally manufactured superior-quality, reliable components, equipment and systems for machinery and equipment to Southern Africa's mining, marine and general engineering sectors. "We recognise the importance of providing cutting-edge products that add value to our customers' business and Molex most certainly walks the talk," states Donovan Marks, Director of Powermite. "This globally renowned brand is synonymous with quality, durability and versatility and the products are the perfect fit for a wide range of heavy-duty industrial control and power applications found in test bays as well as in the food & beverage and medical sectors."

The Molex GWConnect® heavy duty connector portfolio includes industrial connectors (including multipole), inserts, aluminium enclosures and more than 6000 complementary products. "The products we supply are a representation of our brand and therefore we ensure that our entire portfolio adheres to strict quality standards," continues Marks. All components in the Molex range are fabricated from the finest quality materials and are compliant with international standards and UL/CSA requirements. Customers can therefore rest assured that their Molex products will contribute to increased uptime and productivity.

The Molex multipole connectors are designed and developed for heavy-duty industrial applications. Perfectly suited to be utilised with alternate or direct current, these robust connectors facilitate the manufacturing



A smart connection with Molex heavy duty connectors from Powermite

process, installation and maintenance of sectional electric parts in complex electric and electronic machinery and are also used in robots, electric panels, control equipment as well as power, control and signal circuit connectivity.

The units are available in 2,5 mm<sup>2</sup>, 6 mm<sup>2</sup> and 16mm<sup>2</sup> and in 10,16, 35 and 80 Amp ranges in various combinations of power and control connectors.

The main parts of the advanced Molex enclosures are manufactured from die-cast



Life Green Group (Pty) Ltd provides a complete green solution tailored to the unique requirements of clients whilst focusing on minimising costs and maximising quality of the service. The company's directors and management have more than 200 years combined experience in the green industry and utilising the latest equipment and specialised techniques results in unrivalled quality products and services within the industry.



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aluminium alloy with a polyester powder (nickel plated for EMC (electromagnetic compatibility) versions) or a self-extinguishing thermoplastic finish.

Placing safety as a key priority, several different locking systems that comprise of galvanised steel or stainless steel monoblock levers as well as stainless steel springs and pegs deliver enhanced coupling stability and protection against accidental opening.

Sealing is ensured thanks to special gaskets that protect the insert inside the enclosures against dust, water and other aggressive agents. These enclosures are at home in various industrial installations as well as in standard, harsh and EMC environments.

Powermite technicians have received training on the Molex range to ensure that customers are offered the right products according to their application requirements and that the products are used correctly for optimum performance, safety and extended life cycle.

Mark wraps up: "We always strive to deliver best-in-class products and services to our valued customers so that they can take their productivity and profitability to the next level. And now with the versatile Molex range in the fold, customers can make the smart connection to quality, reliability and lowest total cost of ownership."

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# Powermite shows its mettle with advanced AMPCO metal plug and socket outlet range

Powermite, a specialist industrial plugs and sockets manufacturer and supplier for over 30 years, proudly highlights its range of metal and plastic products manufactured by AMPCO.

Catering to Sub-Sahara Africa's customers in the commercial, mining and industrial sectors, the renowned AMPCO metal range is locally manufactured from aluminium and comprises CEE type metal plug and socket outlets, DIN and Swedish plugs and sockets, as well as explosion proof plugs and sockets with isolators.

"We are highly enthusiastic about this cutting-edge metal offering which positions Powermite, a member of the Hudaco group of companies, as a single-source supplier of complete engineered solutions," states Donovan Marks, Director of Powermite.

Kicking off the metal range is the AMPCO CEE type metal plug and socket outlets. This robust 32 to 250Amp collection is perfectly suited for arduous environments typically found in mines (underground and surface), steel works and ship yards where high heat and rough conditions exist.

The extensive range includes plug tops, switched dual mechanical interlocked socket outlets, integrated circuit breaker and earth leakage models as well as switched dual mechanical interlocked socket outlets with contractor and overload options.

Bearing testament to Powermite's belief in superior-quality, these products comply with all international standards and certifications: SANS 1239:2004 and SANS/IEC 60309-1+2, 1999 and IEC 60309-1 (EN 60309 part 1) and IEC 60309-2 (EN 60309 part 2). Marks adds that these CEE type metal plug and socket outlets are also compatible with non-AMPCO products carrying the same accreditations as all manufactures adopt the same clock hour positions for the earth position and relative operating voltage.

All the units are offered in standardised pin and voltage configurations and are either IP44

(splashproof) or IP67 (dust tight and temporary immersion) rated. The epoxy powder coated housing contributes to an extended lifespan particularly in corrosive coastal environments. All springs and screws are cadmium plated while the inserts are manufactured from brass and placed into Amplast insulation making these units heat resistant and robust.

"Our products are designed with safety in mind to ensure the protection of operators as well as their equipment," notes Marks. All switch sockets are available with electrical interlock and under-voltage relay which can prevent automatic reconnection after a power failure. Marks also explains that an integrated earth leakage/circuit breaker unit will provide protection for both the operator as well as the equipment. Furthermore, the tripped socket will only render one user out of order instead of a chain of sockets as in the case where one earth leakage unit protects a chain of socket outlets.

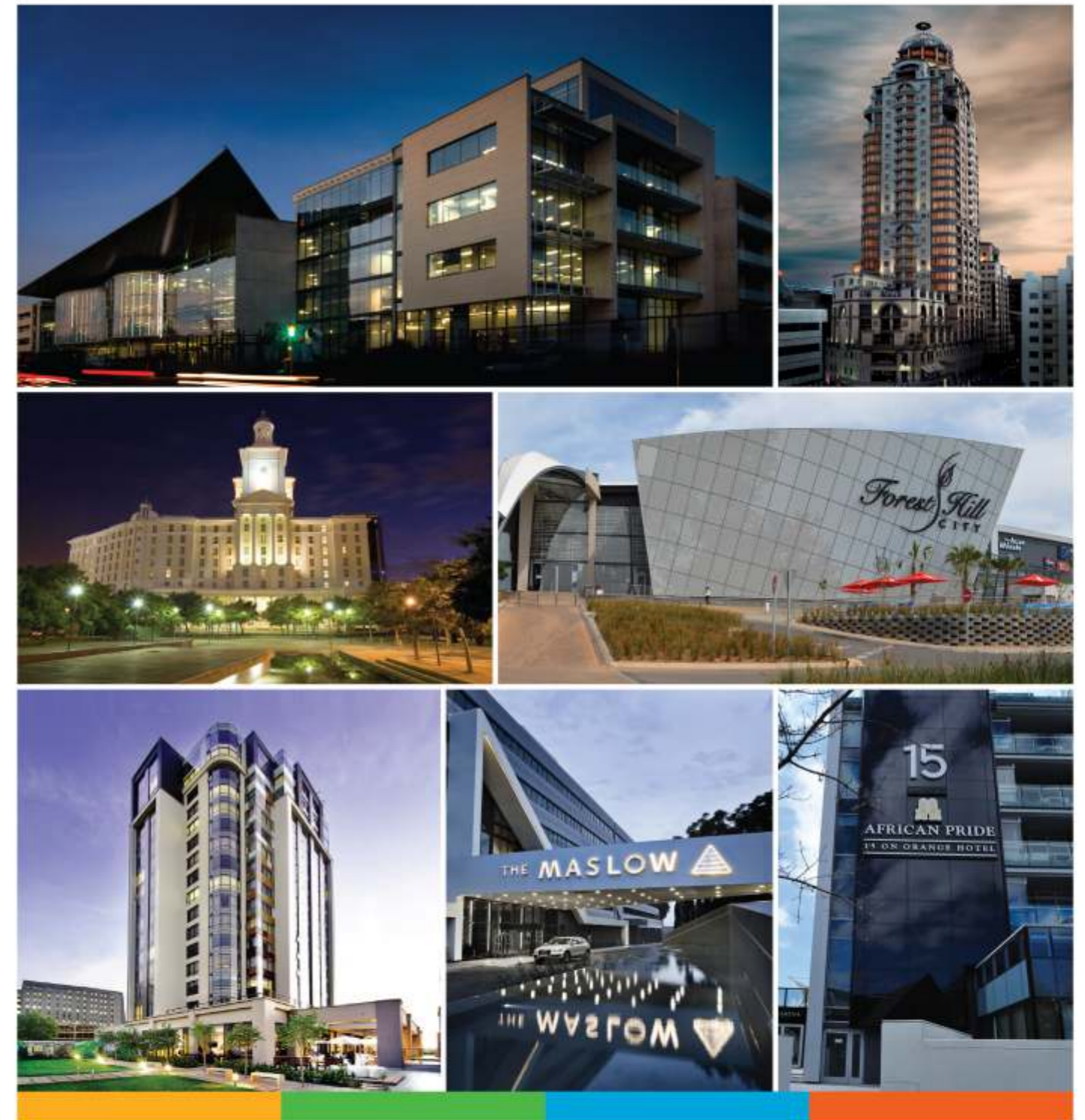
Rounding up the Powermite product stable are cable reeling systems, specialised reeling cables, festoon systems, as well as flexible mining cables. In addition to South Africa and neighbouring counties including Botswana, Zambia, Mozambique, and Namibia, the Johannesburg head office, supported by a country-wide branch network delivers world-class service and after-sales service to customer in the DRC, UK, Malaysia and Singapore.



AMPCO metal plug and socket outlet range from Powermite



DESIGN & SUPPLY | PREFABRICATION | INSTALLATIONS | MAINTENANCE





# Save energy costs with highly-efficient Delta VFDs from EM

Customers can realise significant savings on their total energy costs by replacing older motor starters with energy-efficient Delta variable frequency drives (VFDs), distributed locally by leading supplier ElectroMechanica (EM). This has the added benefit of assisting electricity utility Eskom in reducing consumption in order to alleviate strain on the national grid.

“Energy is always a factor to consider, and should never be taken for granted. We all know the importance of energy efficiency, and the volatility of the supply chain due to the recent spell of load shedding. So now more than ever customers should be thinking about energy efficiency,” EM Product Manager William Cameron comments.

Delta VFDs feature ease-of-use and reliability, which makes them ideal for markets as diverse as refrigeration, agriculture, and manufacturing. “Agriculture is probably the area where we can see growth, not just in the short to medium term, but long-term as well. Farmers are under pressure to save where they can, and using industrial control systems to maximise efficiency is a proven way to optimise,” Cameron explains.

In addition, Delta’s range of control products such as PLCs and HMIs can integrate seamlessly with the VFD range. Using standard I/O or fieldbus solutions, Delta control equipment has a host of special instructions or drivers to assist the user in integrating the drive to a larger network with ease. This greatly reduces development time and, ultimately, cost.

One of Delta’s high-end VFDs, the C2000 series, is a high-performance FOC (Field-Orientated Control) AC drive. This drive is extremely versatile, with a real built-in PLC, numerous control options, over 300 parameters, predesigned application features, and a large LCD HMI keypad. With a power range from 0.75 kW to 500 kW (400 V), and a host of optional accessories, it is truly a powerful partner in industry.

Commenting on new developments for 2020, Cameron reveals that EM’s much-anticipated updated catalogue will feature a host of new products, including an extended drive range to expand its footprint even further in the market.



Delta VFDs features makes them ideal for markets diverse as refrigeration, agriculture & manufacturing



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# Visual inspection made easy with SKF's stroboscopes

A range of hand-held, easy-to-use stroboscopes that enables the visual inspection of rotating equipment to be carried out in an economic and timely fashion has been unveiled by SKF.

All rotating equipment needs to be inspected periodically to ensure that it is working correctly. Sylvain Humbert, Product Development Manager at SKF says: "If visual inspection is not carried out, machine damage can be overlooked and unexpected breakdowns can occur. With visual inspection, problems can be detected and preventive measures can be planned and taken."

However, machinery often must be shut down to allow visual inspection to take place, interrupting vital operations and causing costly downtime.

SKF's TKRS stroboscopes enable visual inspections to be carried out on equipment while it is rotating. The hand-held devices emit flashes of light timed to coincide with the speed of the running machine, creating an optical effect whereby the moving parts appear to be permanently frozen in place. This allows visual inspection to take place.

Matching the timing of the strobe effect with the machinery to be inspected can be tricky using some stroboscopes. By contrast, all TKRS stroboscopes are quick and easy to set-up and use. Users of TKRS stroboscopes can change the frequency with which the stroboscope flashes to match with the speed of the rotating machine simply by turning a rotary control wheel with their thumb.

Advanced TKRS stroboscopes, meanwhile, use lasers to detect the speed of the machinery and feature a built-in trigger input that can receive signals from machines that express their rotation speed. These features enable their flash frequencies to be synchronised automatically.

Through the use energy-efficient light-emitting diodes (LEDs), the TKRS range of stroboscopes are some of the brightest hand-held options on the market, which enables the user to view the rotating equipment with a high degree of clarity. Importantly, this brightness is achieved without having to increase the duration of the flashes, which can generate blurriness in the frozen image

The compact and ergonomic design of the stroboscopes ensures that they can be carried conveniently in a pocket or toolbox.

Furthermore, they feature large user interfaces that are simple to use yet provide access to a wide range of features and settings.

The TKRS range comprises four stroboscopes with differing levels of functionality. These are:  
\*TKRS 11, a compact and affordable LED stroboscope;  
\*TKRS 21, a compact yet high-power LED stroboscope;  
\*TRKS 31, a compact advanced LED/laser stroboscope; and  
\*TKRS 41, a high-performance LED stroboscope.

Jens Kammann, Marketing Manager says: "The TKRS range has been designed so that we can offer our customers an efficient and easy-to-use stroboscope, no matter their budget."

The TKRS range is suitable for general maintenance tasks, including inspection of couplings, fan blades, gears, belts, chains and more. However, the stroboscopes also may be used for advanced production quality control and visual vibration analysis.



Visual inspection made easy with SKF's hand-held stroboscopes

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# dmg events wins distinction in Operations and Logistics award at industry ROAR Awards 2019

dmg events, organisers of SAITEX, Africa's Big 7 and The Hotel Show Africa received a distinction in Operations and Logistics award for Africa's Big 7 at the Association of African Exhibition Organisers (AAXO) Roar Awards 2019.

"dmg events strives for excellence, and we pride ourselves in delivering exceptional service to our exhibitors in the build-up to, during and after the exhibition. We are really pleased that our team has been acknowledged by receiving this award," says Lynn Chamier, Event Director for Food, Hospitality and Trade in South Africa at dmG events.

Africa's Big 7 food and beverage sector show, SAITEX, one of Africa's largest and most well established trade exhibitions, and Hotel &

Hospitality Show, formerly the Hotel Show Africa are co-located as part of Africa Trade Week. Africa Trade Week takes place at Gallagher Convention Centre in Johannesburg from 21 – 23 June 2020, attracting over 10,000 attendees from around the world each year.

Issued by ITP Communications on behalf of dmG events  
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dmG events, organisers of SAITEX, Africa's Big 7 and The Hotel Show Africa received a distinction in Operations and Logistics award for Africa's Big 7 at the Association of African Exhibition Organisers (AAXO) Roar Awards






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# What This Means for Registered Persons, Applicants and the Construction Sector

In its efforts to improve service delivery to its stakeholders, the South African Council for the Project and Construction Management Professions (SACPCMP) has commenced with an update of its registration and application systems.

The update is in response to challenges that the Council's stakeholders have faced over the past years in their registration and application processes. It is expected that the update will result in both improved governance as well as a more user-friendly interface for applicants and Registered Persons.

"We have noted the frustration some people have experienced in the application process and have thus decided to take a bold step in updating our system. As with any measures toward improvement, there will be changes, delays and some challenges. We are doing all we can to ensure that the update takes place as swiftly as possible," said SACPCMP Registrar, Mr. Butcher Matutle.

The initial phase of the update is expected to take approximately six to ten weeks to complete. Matutle requested that sector stakeholders also be aware that the update could affect activities such as tender or job applications, where evidence of registration would be required.

**Patience and Understanding**  
The SACPCMP regrets any inconvenience that stakeholders could face for a short period of time as a result of the update and will communicate to its Registered Persons, applicants as well as Construction Industry employers and stakeholders regarding the

timelines pertaining to the update and its completion.

**What to Expect**  
"We appeal to all for their patience and understanding during this system update. Over the next two weeks, we will provide specific timelines pertaining to how this update will affect each category of stakeholders – for example, among others, those who are already registered, and those awaiting examination dates," said Matutle.

Detailed communication regarding the update will be posted on the SACPCMP's web and social media platforms over the next few weeks. In addition, stakeholders will receive direct communication regarding the update and its timeline.

Visit [www.sacpcmp.org.za](http://www.sacpcmp.org.za) for regular updates. To verify the authenticity of SACPCMP system update-related documents, please email your query to: [systemupdates@sacpcmp.org.za](mailto:systemupdates@sacpcmp.org.za)

**Note to Editors** The South African Council for the Project and Construction Management Professions (SACPCMP) is empowered by section 18 of Act No. 48 of 2000 to certify, register and regulate the Project and Construction Management Professions.

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# OASIS LIFE GAINS MOMENTUM WITH SUCCESSIVE LAUNCHES

Rabie's retirement brand, Oasis Life, is gaining momentum in November as two new exciting developments are being launched and three fully furnished show houses will be revealed at the beautiful Oasis Life Clara Anna Fontein. Even though each development is unique to its environment and specific resident, the golden thread of Oasis Life's four pillars is weaved throughout: financial security, physical security, healthcare security and lifestyle security.

## Oasis Life Century City

The tremendous success of Oasis Luxury Resort in Century City, where all 375 apartments were sold ahead of completion, was an indication of Century City's potential as a sought-after retirement address. Residents praise the lifestyle they enjoy – a perfect blend of modern comforts with the serenity and easy access to nature.

Oasis Life Century City will rise along the water's edge of the previous Ratanga Junction site. We are not only rehabilitating the water body, but will be increasing its size, aiming to create not only a new recreational destination for water activities, but additional habitat for the exceptional bird life that is already established in Century City.

A luxurious Lifestyle Centre will form the core of the retirement estate, with access to a top-notch restaurant, games room, gym, undercover heated swimming pool, library and media centre. Add primary healthcare and expertly designed apartments with top-notch finishes and you'll be blown away by this world-class retirement lifestyle!

Phase one will include 62 luxury apartments ranging between 81m<sup>2</sup> to 165m<sup>2</sup>, and one-, two- and three-bedroom options. Secure resident parking will be available in the basement and open parking bays for visitors. Prices for one-

bedroom luxury apartments commence at R3.8m up to penthouses priced from R8m. We are getting ready for our launch event, which will take place on 7 November 2019 at the existing Oasis Luxury Retirement Resort, Century Way, Century City.

## Oasis Life Burgundy Estate

Oasis Life Burgundy Estate is set in the successful Burgundy Estate, Milnerton. With the suburbs of Cape Town to the south, the beaches of Milnerton and Blouberg to the west, and the winelands of Durbanville Hills to the north, Burgundy Estate Cape Town borders the vineyards of the historic De Grendel wine farm less than 20 kilometres from the centre of the Mother City.

Burgundy Estate has its own mashie golf course, three schools and convenience shopping centre, and our Oasis Life estate will boast its own premium clubhouse and recreational facilities for exclusive use by Oasis Life residents.

You'll have a choice of free-standing cottages, which will have varying types and sizes, with one bedroom/one bathroom and two bedrooms/two bathrooms depending on the size. These homes will have carports or garages, depending on the type. Furthermore, we offer apartment living in low-rise buildings of various sizes.

Our clubhouse will include a concierge, restaurant, library and technology room, doctors' rooms salon, laundry service, bar and breakfast counter. You can meet your friends for a delicious breakfast or pot of cards on the terrace while enjoying a glass of wine in the afternoons.

Furthermore, at the gym, you'll be able to walk or run on the treadmills, cycle, use the rowing



machine or do general toning. A pool and multi-function room allows you to choose a variety of activities. Not really a gym bunny? We aim to balance sufficient green open spaces, walking paths and a bird hide with living areas. You'll be able to enjoy the outdoors in a safe and secure environment.

One-bedroom apartments will be priced from R995 000, up to R2.4m for a stand-alone two-bedroom cottage.

The official launch of Oasis Life Burgundy Estate will take place on 21 November 2019.

## Oasis Life Clara Anna Fontein

The views are to die for and the calm, beautiful country setting is comparable to none. Less than 5km away from all modern amenities such as restaurants and shopping centres, Oasis Life Clara Anna Fontein in Durbanville, Cape Town, is a luxurious, unique and unparalleled retirement destination.

Our show houses are taking shape, as well as our clubhouse. We are busy constructing

homes of three different sizes and lay-outs to display some of the choice purchasers have – there are 9 options in total to choose from. Each home has an exclusive use garden, braai area and garage as well as high speed internet through Fibre-to-The-Home.

We are excited to meet you at our fully furnished show houses from 15 November. We have asked two interior designers, Peet van der Merwe from Chrome Interiors (also responsible for the look and feel of our Lifestyle Centre) and Terry Perlman from Terry Perlman Interior Decorators & Project Management, to furnish and decorate our show houses in different styles. This will allow you to see how each home's potential is explored in various ways, which will hopefully give you some inspiration for your own home! Oasis Life Clara Anna Fontein has already sold a substantial portion of homes of its first Phase. One-bedroom homes are available from R2.38m up to three-bedroom homes from R4.18m. All homes are single-level stand-alone house, with garages.





# Buried Beneath Good Intentions

## SACPCMP

The South African Council for the Project and Construction Management Professions

— CONSTRUCTING NEW PERSPECTIVES —

### Why SMME Development is crucial to our Industries

Written on behalf of the SACPCMP by  
Jeff Pipe (Pr Eng; Pr CPM; Pr C Mentor; A Arb)  
Projects Director: Archway Projects

October 2019 - By now, we have all heard about the local communities stopping projects across the country because the local SMME (Small, Medium and Micro Enterprise) is not being given opportunities. Whilst some of the community may be deemed political opportunists, there are many within the community who just want an opportunity to improve their skills and have a better life.

The Government realises that it needs to address this imbalance and is trying to implement a development programme for SMME building and civil contractors. But if we are truly serious about SMME development we will need to do a lot more than introduce new policies. There is, simply put, a clear limit to what new or modified policies can achieve in the quest for industry transformation.

It's one thing getting an SMME contractor onto a project - but if the administrators of the project are not sufficiently committed to the SMME contractor's development, very limited progress will occur, regardless of which company names are listed on the formal project documentation. Indeed, to achieve successful SMME development of the sort Government desires, it will surely be necessary to re-structure major portions of the project life-cycle to ensure that each phase is explicitly geared towards SMME development.

The bottom line is that our industry needs to factor SMME inexperience into its methodology if meaningful development is going to occur. We

all know we need to help where we can with developing SMME contractors, and that the current imbalance in our industry will lead to future complications for South Africa as a whole. It's crucial however, that this mind-set is given effective practical shape when it comes to the project life-cycle and general methodology. Without very clear, tangible interventions we stand in danger of being buried beneath our own good intentions.

There are many of us who have many years of project management and construction experience that could make a remarkable difference in this country's future by all of us getting involved with SMME mentorship and development. It's a matter of not standing and watching it go wrong; rather, rolling up our sleeves and getting involved in making it right by helping to develop the next wave of construction companies to ensure their successful future in return of this country getting better-quality buildings and roads whilst making a huge improvement to the employment situation.

The SACPCMP has professional registration categories specifically focused on mentorship. The organisation encourages those with more than ten years of construction experience and a desire to make a difference to apply as a Professional Construction Mentor (Pr C Mentor) or Construction Mentor (C Mentor) and get involved with the roll-out of the next generation of contractors. Get involved and get registered!

The South African Council for the Project and Construction Management Professions (SACPCMP) is empowered by section 18 of Act No.48 of 2000 to certify, register and regulate the Project and Construction Management Professions.

For interviews, comments and queries, contact:  
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# Exxaro Powering South African Youths

By Vanisha Balgobind, Executive Head of Human Resources

Following the release of our 2019 interim results, Exxaro is more motivated than ever to continue our upward trend to power possibility, especially when it comes to youth development. Uplifting the knowledge and capabilities of the youth in the communities, operates as a core priority in Exxaro's positioning. One such initiative, in which we take great pride in is the YDx (Youth Exponential Development) programme, which is developed and managed by SADICO. Through our partnership with SADICO, we are committed to equipping communities with the necessary skills to adapt to the changing environment - spurred on by new technologies and the 4th Industrial Revolution.

Encouraging skills development in South African Youths

In current years, South Africa has seen the poverty level increase at an alarming rate. Based on the recently released 2019 Q3 labour statistics by Statistics South Africa (StatsSA), the burden of unemployment is concentrated amongst the youth - those aged between 15 and 24 years with an unemployment rate at 58.2%. Hence, empowering youth becomes vital to bridge the skills gap.

Realising our social responsibility, Exxaro doubled its community investments and volunteerism value distribution to R62 million in the first half of 2019 as compared to R30 million in the first half of 2018.

Educating youth in the areas of technology and innovation is especially important during the current economic climate as it has positive benefits for the South Africa's society, as well as the economy.

As part of the YDx programme, Exxaro has committed R40 million over a period of 12 to 18 months, to upskilling 400 South African youths in the communities we operate in. Those selected to partake in the initiative are from underprivileged backgrounds who have shown an interest in technology and innovation, while possessing the drive to start their own business.

Apart from training curious young minds in digital technology and 4th Industrial Revolution concepts, it also organises the youth into technology

cooperatives where they will be eligible to receive a monthly stipend.

The training commenced in May 2019 with 34 youths receiving 'train the trainer' instruction. This instruction focused on skills such as digital technology (telecommunications, IT, broadcasting and Internet) and 4th Industrial Revolution concepts such as internet of things, artificial intelligence, robotics, 3D printing, nanotechnology, autonomous vehicles, cryptocurrency and cybersecurity. Through attaining these valuable skills, the youths were able to start the process of training an additional 366 local youths in digital skills. These skills include website design and development, mobile app development, cellphone repairs, digital migration, laptop, PC repairs and solar energy. In doing so, a total of 400 youths were empowered, thanks to the YDx programme.

The role of HR in youth development  
It's important that businesses adopt purpose-driven efforts to engage with and develop the youth directly, thereby benefiting society. More time and effort is required to intensify and accelerate youth empowerment throughout the country, and HR professionals need to drive these programmes. Promoting the lifelong acquisition of knowledge, skills and competencies necessary for the performance of chosen roles that contribute economically and socially to the self and others, needs to be at the heart of all youth development planning and training.

We believe in creating opportunities to develop exceptional young people. As a company geared for change, Exxaro understands the role we play within the national space to assist in minimising youth unemployment. Skills development and education are vital to the digital future of our continent, and we take pride in our alignment.

Exxaro will therefore, continue to strive for youth development as a means of uplifting communities, and empower those with skills for the workforce of the future. We maintain successful partnerships with our stakeholders, who help us contribute meaningfully to South Africa's socio-economic development, and to the success and growth of Exxaro.

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# BURGUNDY ESTATE GROWS FROM STRENGTH TO STRENGTH

With the suburbs of Cape Town to the south, the beaches of Milnerton and Blouberg to the west, and the winelands of Durbanville Hills to the north, Burgundy Estate in Cape Town borders the vineyards of the historic De Grendel wine farm less than 20 kilometres from the centre of the Mother City. Burgundy Estate has its own mashie golf course, three schools and convenience shopping centre which serves the secure residential developments well.

Since getting involved as a joint venture partner with Nedbank four years ago, Rabie has sold over 900 homes totalling more than R1,2-billion at Burgundy Estate.

“Burgundy Estate has grown from strength to strength over the last four years”, says Miguel Rodrigues, Director at Rabie. “With the additional investment from local government and developers in the upgrade of the surrounding arterial roads, expansion and upgrade of the Checkers Centre, as well as the new Richmond commercial development and Richmond Shopping Centre, the entire node is progressing well.”

Burgundy Estate has its own mashie golf course, three schools and convenience shopping centre.

Rabie’s first project on the estate, Vermont, which consisted of 191 apartments, was sold to an investment company for rental stock while two other projects – Zarina (164 apartments and 16 townhouses) and Springfield (68 freestanding homes) – was sold on the open market.

Avenida, which consists of 183 apartments and eight townhouses, were all sold out prior to completion.

In 2018, Rabie launched Brookside, comprising 58 three-bedroom two-bathroom freestanding homes and Hazelwood, consisting of 126 one, two- and three-bedroom apartments. Brookside, which was completed mid-2019, has sold out. Hazelwood, completed in October 2019, enjoys its

own clubhouse and swimming pool, with a few two-bedroom apartments still available from R1.32m.

What’s next for Burgundy Estate? Two new projects, the first of which is an exciting retirement component, Oasis Life, which will be launching on 21 November (read more here). Rodrigues says “We are excited about the next chapter at Burgundy Estate, which is our retirement component. With the combination of its central location and the benefit of an established, multi-generational estate, we are able to offer great value to senior residents. Providing security of residence with our life rights model, our core focus is to offer an excellent lifestyle.”

Rabie is also in the planning phase of Rhapsody – a secure development which will combine the best of apartment living with that of larger free-standing homes. With large green spaces, a clubhouse and a pool, Rhapsody will offer an amazing lifestyle.

The launch of Rhapsody is anticipated to be early in 2020. For any enquiries, contact Brian Usher on 082 571 7024.

“Burgundy Estate is maturing, and we are looking forward to several future phases of development”, says Rodrigues “We are in discussions regarding a day hospital, are looking into a small business park and with our new retirement component underway, it’s growing into a well-rounded estate.”



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# Crushing the efficiency barrier - thyssenkrupp Eccentric Roll Crusher

thyssenkrupp has, for over two hundred years, provided state-of-the-art products and services to meet the eclectic needs of mining and industry. With customers increasingly demanding optimal crushing performance from their equipment, thyssenkrupp's Minerals Processing division, a specialist in comminution, designed, developed and manufactured the compact and robust Eccentric Roll Crusher (ERC) which is taking crushing efficiency to the next level.

The inspiration behind the creation of this ground-breaking ERC which is unique to thyssenkrupp stems from the growing need to look at an improved, faster and more cost-effective way to crush bulk materials and precious metals such as platinum, copper, kimberlite and iron ore. This got the thyssenkrupp German design team on their feet and after two years of intensive development, the completely new hard rock ERC was born. Ideally suited to process a wide selection of commodities above and below ground, this versatile machine delivers highly efficient crushing capabilities to underground mines, mobile and semi-mobile crushing plants in open-pit mining as well as mineral processing plants.

"With Minerals Processing boasting one of the largest global crushing and grinding technology portfolios which can be customised to customers' plant process needs, we are extremely proud to now bring to the market this truly one-of-a-kind Eccentric Roll Crusher," states Wilfred Barkhuizen, GM Minerals Processing, Energy and Power at thyssenkrupp Industrial Solutions Sub-Saharan Africa. "With a distinctive design that sets it poles apart from conventional crushers, the ERC without any doubt sets the efficiency benchmark and presents the next step in the crusher revolution."

Packed with cutting-edge features, the ERC is forged from fewer, superior-quality components which enable quicker and easier assembly and installation. Thanks to the machine's optimal balance, loads and vibrations are limited. All these exclusive features contribute to a much simpler structure as well as an enhanced ability to process materials more efficiently.

The machine's integrated screen further elevates efficiency as fine material does not pass through the crushing chamber but instead is discharged directly. This new approach ensures a host of benefits such as diminished power consumption, reduced risk of material compaction and machine overload as well as lessened wear on the crushing elements.

Another wear reduction feature is the smartly integrated automatic gap adjustment. The adjustable swing jaw, which forms part the crushing chamber, allows the gap to be precisely adapted to suit a specific product. The adjustment range of up to 200 mm for the largest model is more than adequate for gap adjustment to offset wear on the crushing elements. The gap adjustment also features an overload protection function in order to protect the crusher against overload damage.

Barkhuizen explains, "In the event that the acceptable load has been exceeded by non-crushable foreign bodies for example, the valve opens and the gap is enlarged, protecting the crusher against overload damage." This function includes a unique hydraulic cylinder that controls the load in the crushing chamber as well as the pressure.

In harsh operational environments it is crucial to safeguard the crusher's body to prevent costly damage. Understanding this vital need, thyssenkrupp has built the ERC to be impact resistant. When large chunks of material are fed into the crushing chamber, instead of falling onto the mounted working element, the material hits the machine's exceptionally resistant and rugged hood. Barkhuizen notes that, compared to conventional crushers, this is another key advantage presented by the ERC.

thyssenkrupp is committed to ensuring that customers receive world-class products and service excellence hence the global engineering specialist ensures that all its products undergo intensive testing. The ERC was certainly no exception and completely surpassed the designers' efficiency expectations in over six months of rigorous testing. Tested in the crushing of andesite, a material akin to copper and iron ores with strengths of up to 200 MPa, the ERC blew operators away with its impressive delivery of almost two times the expected throughput. Going forward, thyssenkrupp will be testing a diverse range of applications in order to determine just how efficient the ERC is and how different projects can benefit from them. Thanks to a combination of innate compactness and higher crushing efficiency (with a throughput potential of up to 8,000 metric tons per hour), much lower unit costs are anticipated.

Ending on an optimistic note, Barkhuizen says that with the first ERC already in operation, thyssenkrupp is confident that customers will benefit from enhanced productivity at the lowest total cost of ownership. "As we see a growing interest in the machine locally, we are motivated to continue looking at new ways of improving our product and service portfolio to the ultimate benefit of our valued customers."

About us:

The Industrial Solutions business area at thyssenkrupp is a leading partner for the engineering, construction and service of industrial plants and systems. Based on more than 200 years of experience we supply tailored, turnkey plants and components for customers in the chemical, fertilizer, cement, mining and steel industries. As a system

partner to the automotive, aerospace and naval sectors we develop highly specialized solutions to meet the individual requirements of our customers. More than 21,000 employees at over 100 locations form a global network with a technology portfolio that guarantees maximum productivity and cost-efficiency.

For more information visit: [www.thyssenkrupp-industrial-solutions.com](http://www.thyssenkrupp-industrial-solutions.com)

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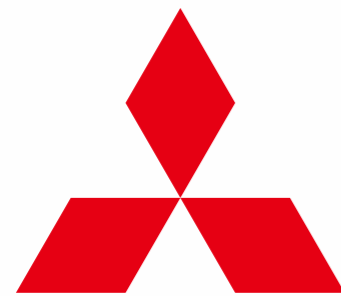
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