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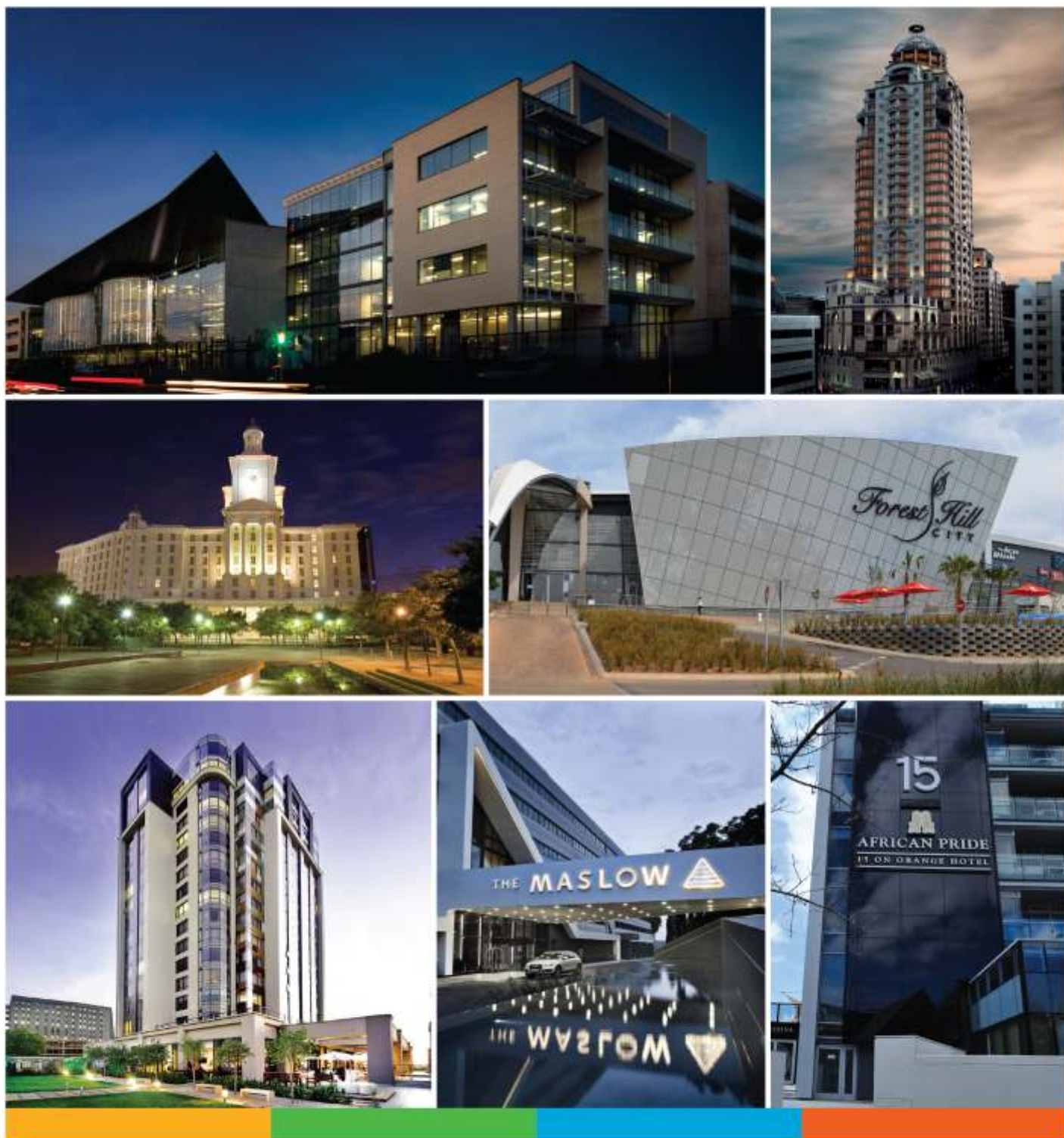
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TOOLS CONTRACTORS DECOR HARDWARE OUTDOOR PLUMBING ELECTRICAL TRUSSES PAINT

Brokk Offers G32 Grapple For Soft Demolition, Separation and Sorting

Brokk, the world's leading manufacturer of remote-controlled demolition machines, offers the compact G32 grapple for soft demolition, separation and sorting. The G32 is specially designed for the Brokk 70, the company's most compact machine, increasing versatility and efficiency for interior and top-down demolition applications.

"Helping customers expand their capabilities with new technology is Brokk's primary goal," said Lars Lindgren, president of Brokk Inc. "Demolition is a broad industry with many varied applications. Having a machine that's only good for one or two isn't efficient.



Brokk offers the compact G32 grapple, specially designed for the Brokk 70, for increased versatility and efficiency in soft demolition, separation and sorting applications.

That's why we offer an extensive line of attachments specially designed to work with our machines. With the G32 grapple, Brokk 70 operators can easily add one more application to their demolition resume."

The G32 grapple is designed to optimize the application flexibility of Brokk's smallest electric robot. The Brokk 70 boasts 9.8 kilowatts of power with a hydraulic output of 5.5 kilowatts. At just 35 inches (880 millimeters) tall and 23.5 inches (597 millimeters) wide, the Brokk 70 fits through narrow doorways and into tight spaces, making it ideal for interior demolition applications. And with a base weight of just 1,235 pounds (560 kilograms), it can be transported on an ordinary passenger elevator, making it ideal for top-down demolition projects in urban areas.

When paired with the Brokk 70, the G32 can provide significant time and cost savings over manual methods for soft demolition applications in tight, confined spaces. The G32 grapple features a 12.8-inch (32.5-centimeter) jaw opening. One fixed and one movable jaw means the G32 can firmly grasp structural elements such as drywall, ceiling sections, piping and HVAC ducts, while a 360-degree hydraulic rotation circuit allows for fast and accurate positioning. Using the Brokk machine in these situations eliminates the need for harnessed workers on ladders or scaffolding manually cutting or pulling down structural elements.

Additionally, the precision and flexibility of the remote-controlled demolition machine with the grapple attachment makes it easy to pick up and sort even small debris. Boltable grip plates facilitate picking and sorting, allowing operators to complete those tasks without switching attachments.

The G32 is one of many efficiency-enhancing attachments available for the Brokk 70. For more information visit www.brokk.com.

About Brokk

Brokk has been the world's leading manufacturer of remote-controlled demolition machines and attachments for over 40 years. Through continuous innovation in engineering and design, Brokk is able to offer unique solutions to multiple industries worldwide, including construction, demolition, mining and tunneling, cement and metal processing, nuclear and other specialty applications. For more information: Brokk Inc., 1144 Village Way, Monroe, WA 98272; 800-621-7856; info@brokkinc.com; www.brokk.com; Facebook; YouTube; LinkedIn and Twitter.

Brokk, demolition, grapple, Brokk 70, soft demolition, separation, sorting, top-down demolition, interior demolition

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SOUTH AFRICA OFFICE
 Tel: +27 62 624 1801 Fax: +27 86 601 9195 62, 2nd Avenue,
 Houghton
 P.O. Box 92744, Norwood, 2117 South Africa

KENYA OFFICE
 Tel: +254 70 155 2963 P.O.Box 178-20114, Kabazi, Nakuru, Kenya.
 Email: info@projectsmagazine.net Website:
www.projectsmagazine.net

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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.

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 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.

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.

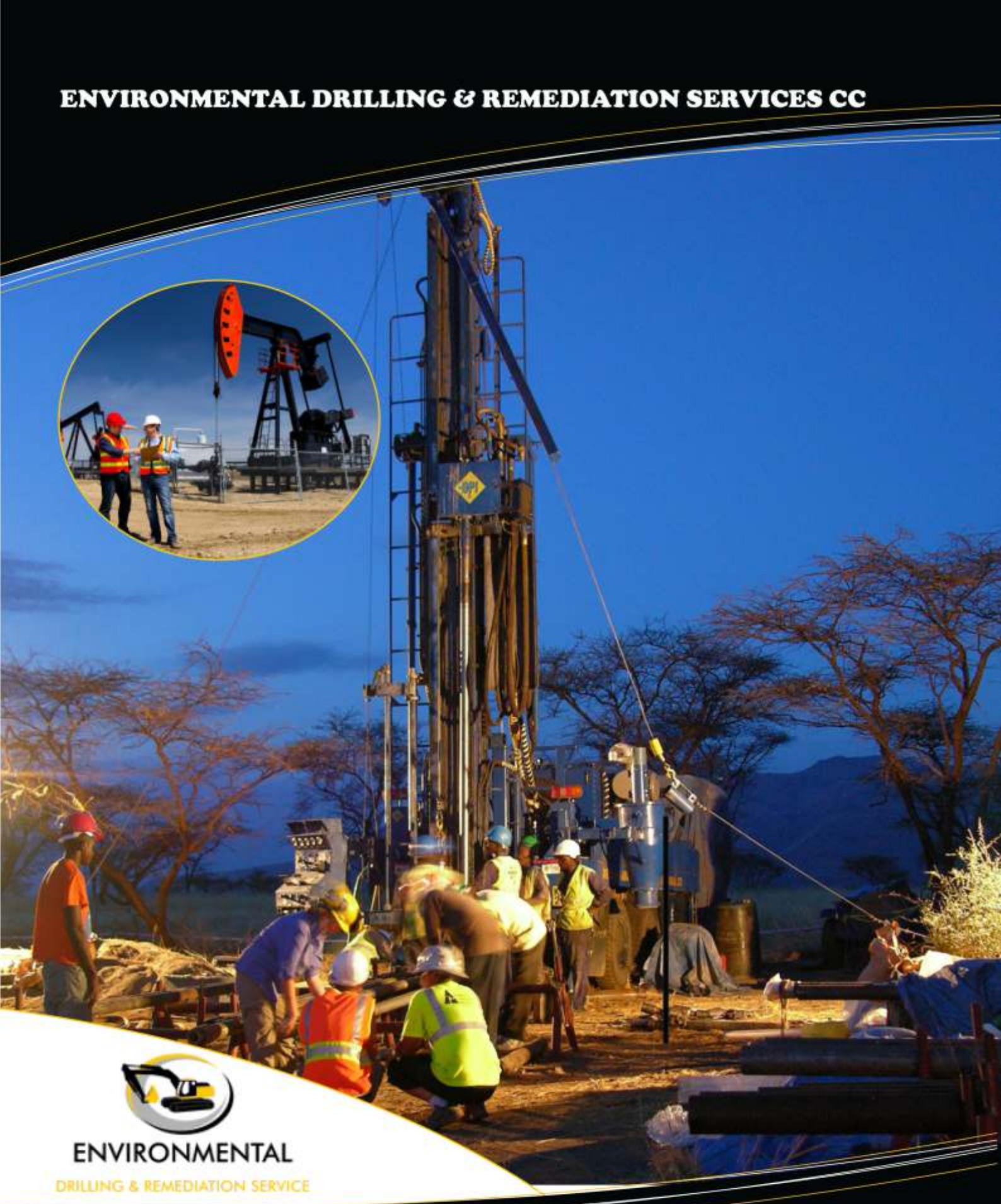
The Colorado 1650 will print a large variety of media such as soft signage, wallpaper and self-adhesive vinyls, demonstrating how FLXfinish technology gives users the choice of matte or gloss modes for each individual print on a wider range of media, for visually appealing, high margin work such as premium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



Canon's Colorado 1650 and Arizona 1300 products will be on display at FESPA 2020

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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, 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."



Canon will inspire visitors with a wide range of large format applications





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Cummins scales up the gas-power game with the new C25G natural-gas generator series

Cummins Inc. (NYSE: CMI) introduced its latest gas product innovation, the C25G gas generator series, to the global power generation markets during the 2020 Middle East Energy (MEE) show at the Dubai World Trade Centre in the UAE from 3 to 5 March.

The C25G series is engineered to deliver superior fuel efficiency, with a power density of 500 kW and 580 kW from a 25 litre engine, while providing reduced maintenance costs per kWh. Together with interconnectivity across the Cummins gas product range, and the vast support network, the C25G has been designed to support any gas-power need.

This new series offers a total package of gas-generator capabilities for combined heat and power (CHP/CCHP), demand side management, and alternative fuel applications, while being suitable for a diverse set of industries, ranging from hospitals and manufacturing to commercial building and utilities requiring continuous operation, whether it is grid parallel or island mode.

“Following the launch of the HSK78G gas-generator series, Cummins is now extending its portfolio with the addition of the C25G gas series, offering a wider range of integrated solutions to better serve the needs of our customers across key power nodes,” Chris Downs, Cummins Global Energy Management Marketing Leader, highlights.

The C25G models comply with all global emissions regulations, while delivering a high electrical efficiency up to 41.6% and 40.6% on pipeline natural gas, down to 71 and 68 methane number (MN) respectively at full power. In addition to its generator capabilities,

the innovative control systems fitted to the C25G series provide users with access to advanced monitoring, diagnostics, and predictive analytics, maximising the generators’ uptime and reducing maintenance labour costs.

The greater fuel flexibility offered by the C25G series allows users to utilise a wide range of fuels, including pipeline natural gas down to 60 MN, and low BTU fuels, offering robust uninterrupted power at any time. In addition to the fuel flexibility, the C25G series can minimise the environmental impact with its cogeneration capabilities. The NOX emissions are as low as 250 MN/Nm³, meeting global product-compliance requirements and certifications.

Additional benefits linked with the cogeneration offering involve CO₂ recovery to be used for heating, cooling, or steam generation, while achieving a superior thermal efficiency of up to 46.2% and 48% on pipeline natural gas. Alongside these advantages, users can benefit from additional financial savings by selling the excess power back to the national grid.





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Similar to the HSK78G series, the C25G models can also run reliably under extreme conditions. The C25G series can deliver full power performance even in ambient temperatures of up to 41°C for the 500 kW and up to 34°C for the 580 kW models. “Even though the C25G is not the biggest gas generator in our current gas product range, the benefits of this platform are huge. The significant time- and labour-saving features, combined with long service intervals, offer a unique gas-powered solution with improved uptime and low cost of ownership,” Downs explains.

Coupled with the superior reliability and dependability, Cummins offers faster set-up due to the pre-installation support and rapid response. Best-in-class aftermarket capabilities are offered through local account managers, who are supported by a global system of service technicians, engineers, and parts distribution centres that are on hand to assist at every stage of the process, from site review to testing and commissioning.

To find out more about the C25G gas generator series visit:
cummins.tech/C25GLaunch.

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About Cummins Inc.

Cummins Inc., a global power leader, is a corporation of complementary business segments that design, manufacture, distribute, and service a broad portfolio of power solutions. The company’s products range from diesel, natural gas, electric and hybrid powertrains and powertrain-related components, including filtration, aftertreatment, turbochargers, fuel systems, controls systems, air-handling systems, automated transmissions, electric power generation systems, batteries, electrified power systems, hydrogen generation and fuel cell products. Headquartered in Columbus, Indiana

(US), since its founding in 1919, Cummins employs approximately 61 600 people committed to powering a more prosperous world through three global corporate responsibility priorities critical to healthy communities: education, environment, and equality of opportunity. Cummins serves its customers online, through a network of company-owned and independent distributor locations, and through thousands of dealer locations worldwide, and earned about \$2.3 billion on sales of \$23.6 billion in 2019. See how Cummins is powering a world that’s always on by accessing news releases and more information at <https://www.cummins.com/always-on>.

Cummins Contacts
Deepa Rungasamy
Communications Manager
Cummins Africa Middle East
Phone: +27 11 589 8512
Cell: +27 72 630 7501

Media Contact
Thapelo Phukuje
NGAGE Public Relations
Phone: +27 11 867 7763
Fax: +27 86 512 3352
Cell: +27 79 425 4914
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Mpumalanga Aluglass is a Lowveld-based company, involved since 1994 in manufacturing and installing aluminium and glass products. This includes aluminium doors and windows; shopfronts; folding frameless glass doors; skylights; roller shutter doors; a variety of shower enclosures, both standard and custom designed and made to client specifications; and general glazing, with the emphasis on industrial glazing. We are a close corporation, and employ a staff of 18 of whom 14 are directly involved in manufacturing and installation.



Cummins Zambia successfully commissions new coolant plant in Kitwe

Cummins Zambia has completed a coolant plant project in Kitwe on the Copperbelt that received approval from the Zambia Environmental Management Agency (ZEMA) in 2019. The 'plug-and-play' plant will produce two types of coolant, namely ES compleat Hybrid (Blue) and ES compleat OAT (Red). PLC-driven and automated, the plant has the capability to carry out batch correction. It has a blending capacity of around 1 600 litres over two hours, including quality testing. The system has two 2 500 litre product tanks for product storage.

Originally planned to be completed within six months in 2018, delivery and manufacturing logistics ultimately resulted in the project taking about a year to complete, in addition to the stringent ZEMA approval, John Kambing'a, Cummins Aftermarket Leader (Zambia) reports. The main contractor was CP Engineering, with a Cummins Filtration team overseeing the project from start to finish.

Cummins Filtration built the plant and shipped it to Zambia, where it was installed by a local

contractor under the supervision of the project team. The Cummins Filtration team from South Africa also played a key role in commissioning the plant.

"It is a requirement in Zambia to conduct an impact assessment for any project being undertaken. Therefore, the ZEMA approval was necessary to ensure that the coolant plant had no impact on the environment or the surrounding community," Kambing'a explains. This is also in line with Cummins Inc.'s PLANET 2050 strategy, focused on addressing climate change and air emissions, using natural resources in the most sustainable way, and improving communities.

To date, Cummins Zambia's main coolant customer has been First Quantum Minerals (FQM), a major copper producer in the region. The new plant will allow Cummins Zambia to supply coolant to other customers in different packages. "This will grow our filtration sales in Zambia, and allow us to serve other customers. It will also take care of our counter-sales customers. Other Cummins distributors and dealers wanting to take advantage of our cost-





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competitiveness will also be welcomed,” Kambing’a highlights.

The main benefits of the new coolant plant are that customers will not be restricted to obtain the products only in totes, but can request different packages according to their specific requirements. Customers will also have the option of bulk supply, which will drastically reduce their storage challenges in having access to sufficient product as and when required, and eliminate long lead times. Switching to in-house coolant production at Cummins Zambia will reduce import costs significantly, allowing it to pass these savings onto customers.

Meshach Kwegyir-Aggrey, GM Cummins Zambia, elaborates that, in order to be more competitive and supply product at a preferential rate to the market, a business case was raised to the leadership team of Cummins Africa. Approval followed quickly, and the coolant plant was subsequently purchased and installed in the last quarter of 2019.

“With the new coolant plant at Cummins Zambia, what we have succeeded in doing is to basically halt the importation of water, which forms more than 90% of the coolant product, from South Africa into Zambia. This will also assist us to serve diverse markets, with volumes ranging from five litres to 1 000 litres. We will also increase our footprint in the Zambian coolant market and offer more value to customers.”

Kwegyir-Aggrey adds: “The Zambian market is key to the strategic growth of Cummins in Africa. Cummins is a provider of power to the mining industry, and this new plant will allow us to deliver on our brand promise of powering our customers through innovation and dependability. We have invested almost half a million dollars in this project, and that will add value to our customers and stakeholders in Zambia. Adding value is what Cummins stands for, and we are determined to ensure our customers get absolute value when using Cummins products.”

Looking to the future, Kwegyir-Aggrey points out that the new coolant plant will assist Cummins Zambia in penetrating the key

automotive market. “It will help us leverage out other filtration products as a single package. Coolant is key in the operation of any machine, and the quality of the coolant matters. We offer superior-quality coolant that will help customers get real value out of their machines. Using the Cummins Fleetguard product range will guarantee world-class performance by unleashing the power of Cummins,” he concludes.

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PURPLE HAZE APARTMENTS, NAIROBI



Are you tired of living in an ordinary apartment surrounded by an absolutely mundane environment? Come to Purple haze apartments in Nairobi, a residential development well tailored to give you and your loved ones a touch of luxury and relaxation.

Purple haze apartments is a state of the art development that comprises of 216 units located on 2 acres piece of land. It is divided into 2 similar blocks housing 102 - 2 Bedroom apartments and 102 - 3 Bedroom apartments each with 12 sumptuous penthouses that give a generous view of Nairobi skyline.

All apartments are fitted with European products; Kitchens from Italy, Bathrooms from Spain's, Tiles from Italy, Oven, microwave, gas and electric hobs from Germany, Tafwares and WC from Germany. Solar heating and LED lighting in all apartments.

The development sits on a prime location along Kitale Lane, off Dennis Pritt Road, Kilimani (near State House Nairobi). It is centrally located, it is easy to access and it is connected to the main roads. In addition, these beautiful apartments are located near shopping centers, dining areas, recreational facilities, good



schools and good hospitals among other facilities.

Durable and luxurious interior decorations and fittings

Purple Haze Apartments is an award-winning development. It won the Africa-Middle East 2016 - 2017 awards for the Best Architecture Multiple Residency in Africa and Best 5-star rating on design and quality category. It was designed by Singaporean Architect, Amity Moody of Wave Design Consultants. Moreover, among the seven continents competing, Purple Haze Apartments proved to be the best by taking second position in the overall international award category.

Working together with the architects to make Purple Haze Apartments a reality is Edifice Limited Firm. The firm prides itself in providing expertise in innovative and quality design, finance and project management. The firm has over 20 years of experience and over 15 successful quality projects delivered on time. It targets projects such as; commercial, residential, hospitality and mixed use. According to Edifice Limited, Director, Mavji Varsani, Edifice raised equity and sourced property

financing from Commercial Bank of Africa in order to facilitate mortgage purchases.

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- Steam, Sauna, Pools
- Heated pool for Children pool and adults

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- 6 high speed lifts
- Convenience Store
- Passenger and goods lifts



- Laundry services
- On the go restaurant

- Solar,
- Steam & Sauna
- Gym

ACCESSORIES AND FITTINGS

- Spanish Tiles (Pamesa)
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- Italian Kitchens complete with appliances
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- Each apartment has a self-contained en suite DSQ

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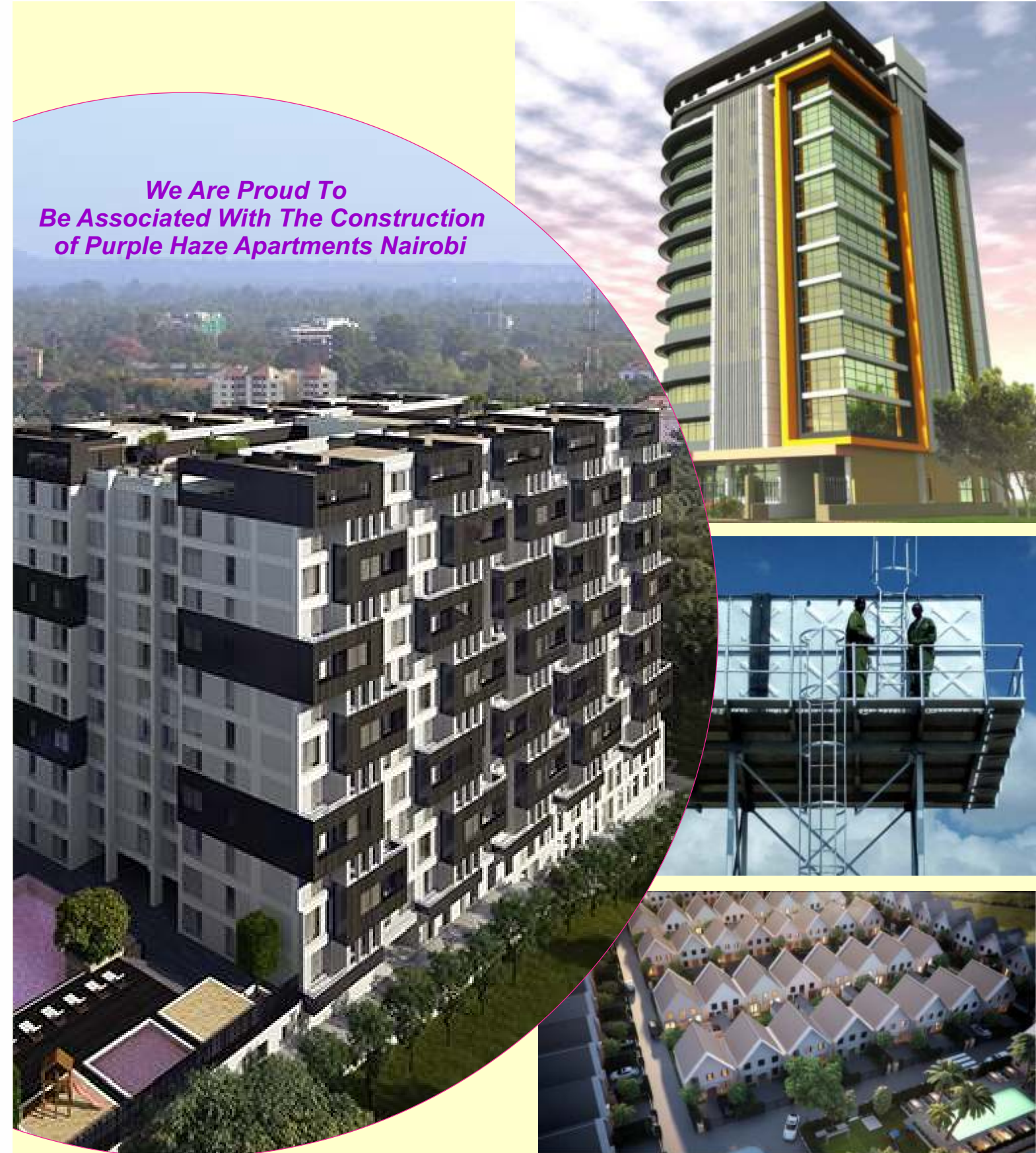


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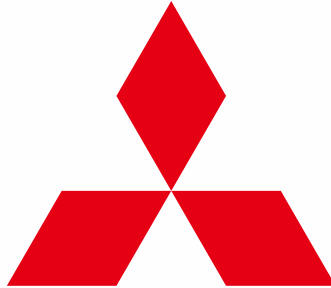
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Mecalac to Demonstrate Game-Changing Models at CONEXPO-CON/AGG

– Mecalac, a global leader in the design, manufacture and distribution of compact construction equipment for urban environments, plans an array of hourly equipment demonstrations throughout CONEXPO-CON/AGG 2020. These captivating 20-minute, precisely choreographed displays will take place at Booth F2658, Festival Grounds, and will highlight the mobility, productivity and versatility of Mecalac's innovative equipment in a number of common jobsite applications. Demonstration models include the 9MWR wheeled excavator, the 6MCR crawler skid-excavator, the AS700 swing-loader and 6MDX dumper.

“To some extent, all manufacturers design with the end-user in mind, but for Mecalac it's about providing innovative solutions that go above and beyond, addressing challenges that operators haven't even thought about yet,” said Alexandre Marchetta, CEO for Mecalac. “We organized the CONEXPO-CON/AGG demonstrations to prove the speed, stability, maneuverability, sustainability and overall productivity of Mecalac products using real-world scenarios operators often encounter on the jobsite. We've brought our game-changing equipment to the North American market because we believe it fills an unmet need. These demonstrations will give attendees a chance to witness our revolutionary solutions firsthand.”

During the CONEXPO-CON/AGG demonstrations, attendees will see the outstanding stability, accessibility and 360-degree compactness of the 9MWR. Like all models in the MWR series, the 9MWR offers operators optimum stability regardless of the rotation angle of the upper carriage. The series also features cabins that are 20% lower than comparable models and centered, integrated steps for ease of access. And, at just 90.9



During Mecalac's CONEXPO-CON/AGG demonstrations, attendees will see the outstanding stability, accessibility and 360-degree compactness of the 9MWR.



Mecalac plans an array of hourly equipment demonstrations at booth F2658 during CONEXPO-CON/AGG. Featured equipment includes the 6MCR crawler skid-excavator with speeds up to 6.2 mph (10 kmh).



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inches wide (231 centimeters), the 9MWR is 2.5 times more compact than a traditional excavator. This, combined with 4-wheel steering, allows enhanced turning mobility in narrow spaces.

Mecalac's 6MCR will demonstrate the productivity and efficiency possible from its MCR series. With speeds up to 6.2 mph (10 kmh), the 6MCR is up to two times faster than comparable compact excavators. It features the lineup's hydrostatic transmission motor, allowing operators to move up to 26 cubic feet (.75 cubic meters) of material at 6.2 mph (10 kmh). The 6MCR's 360-degree compactness is ideal for congested worksites, offering industry-leading stability with a smaller footprint to safely navigate the tightest spaces.

Attendees will also witness the stability, mobility and space management offered by the AS700. All models in the AS Series, including the AS700, provide industry-leading stability in all positions and on all terrains. Innovative design allows operators to pivot the bucket up to 180 degrees without any loss of stability for greater flexibility and utilization in tight spaces. Three steering modes — 2 wheel, 4 wheel and crab — allow contractors to simultaneously drive, operate and rotate for maximum mobility. In combination with the 180-degree swivel arm, this maneuverability provides a rotation footprint 20% smaller than conventional loaders for optimal space management.

"Space is limited on any jobsite, which is why Mecalac machines are uniquely designed to simplify operation," Marchetta said. "Why have four machines crowding your work area when one can do it all? Our designs start with the job, through the eyes of the operator, and from there we design the safest, most efficient machine possible."

Attendees can see this commitment to safety firsthand on the 6.6-ton payload (6,000-kilograms) 6MDX, which will also be part of the CONEXPO-CON/AGG demonstrations. The MDX series has large cabins with excellent visibility and standard forward-facing ISO5006 compliant cameras. The 6MDX also features large steps, organized like a stairway, and full-

length handrails to ensure safe access and egress.

Mecalac has built an international reputation for innovative design, producing user-friendly, more sustainable machines that address the safety, comfort and flexibility needs of operators on today's urban jobsites. These qualities, and more, will be on display during the demonstrations.

Learn more here or stop by booth F2658 during the show.

About Mecalac

Mecalac is an international manufacturer of compact construction equipment for urban sites. Known for its innovative, customer-focused technology, Mecalac has sales companies, distributors and customers in more than 80 countries. Versatile and multi-purpose equipment is available through five product lines, including: excavators, loaders, backhoe loaders, site dumpers and compaction rollers. For more information: Mecalac North America, 282 Dedham St., Norfolk, MA 02056; 1-508-921-3076; mecalac.northamerica@mecalac.com; www.mecalac.com; Facebook; LinkedIn; Instagram and YouTube



The AS700's three steering modes, which allow contractors to simultaneously drive, operate and rotate for maximum mobility, will be featured during demonstrations at Mecalac's CONEXPO-CON/AGG booth.



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Five power supply considerations for businesses facing threatened energy security

As South Africans settle into the routine and inconvenience of load shedding and planning their activities around shifting electricity supply, it is businesses that are taking the biggest hit through the loss of operational capabilities, productivity, and profitability. While individuals deal with maneuvering their household times and sitting in gridlock traffic, local businesses, hospitals, schools, and industrial sites must find ways to remain operational despite limited generating capacity.

The electricity shortfall makes it crucial for organisations to reconsider their power supply systems. According to Nick Oosthuizen, Managing Director at Inframid and consultant in energy efficiency, there is no silver bullet to solving this challenge. “Businesses need to take a holistic approach when looking at securing their power supply. There is no one-size-fits-all solution. A tailored system, based on a feasibility study that considers unique power supply elements for your organisation, will ensure the highest return on investment (ROI),” he advises. According to Oosthuizen, there are at least five essential aspects to consider.

1. Know your load

To ensure an optimal energy supply system, you first need to understand what it is you are currently dealing with. It is important to know your electrical demand, load content, and architecture. “Businesses should conduct an electrical audit before considering other energy sources. This will help avoid fruitless expenditure and help plan a low energy load. A good place to start is by considering the energy efficiency of the load elements,” says Oosthuizen.

“For instance, the Coefficient of performance (COP) is the efficiency of refrigeration, aircon, and water heating systems and is highly dependent on product quality. A higher COP equates to lower operating costs, so businesses should continuously consider the technology they are using, especially as part of maintenance replacement plans. The same considerations are relevant to light fitting technologies.”

2. Check your utility connection

“Although utility-supplied power is highly unreliable at the moment, it is still the cheapest. As your main source of energy, you should validate that you have utility connections at the most cost-effective tariff scale. Acquiring and operating backup power can be rather expensive if not part of an overall plan, and all energy-saving initiatives should be considered.”

3. Consider your backup options

Popular backup power solutions include diesel generators, gas generators, and batteries. The chosen solution will largely depend on cost and usage requirements. “While backup power reduces your dependence on utility power – a feature in high demand at the moment – it comes at a price. Electrical teams need to motivate this investment to the decision-makers, and the best way to do this is through a financial feasibility study that weighs up all elements of power supply in relation to each other and the prevention of downtime,” says Oosthuizen.

According to Oosthuizen, downtime can get very costly and should be measured when



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looking at the feasibility of a backup power solution. This also bears weight on the kind of backup power you decide to use and when it will kick in. "This varies between industries and applications. For example, one minute of downtime before backup power kicks in might be too much for certain manufacturing plant." He advises that organisations should do a breakdown of electrical loads and establish the normal load, the backup load, and the essential load. The Essential load is where you can't lose a second and a seamless transfer will be needed.

4. Think about seamless transfer

"For organisations who can't afford a lapse in power supply, a seamless transfer system will be necessary. However, this seamless transfer might not be needed for all loads in the facility. The essential load would be the priority, and would need an uninterruptible power supply (UPS) for mission-critical systems. However, being an expensive commodity, it is important to apply UPS to essential loads only and after determining its feasibility."

5. Save energy where you can

Reducing your energy requirements is an obvious strategy when it comes to improving your security of supply and reducing costs. "When it comes to saving energy, it is not just about the energy-efficiency of the technology you use.

Supplementary power sources are something worth considering. Renewable energy generation in the form of solar, wind and other states of the art generation can be implemented. This has the potential to convert your load into a valuable asset," advises Oosthuizen.

He says: "One of the biggest mistakes we see is that organisations focus on the glaring symptoms of power cuts and try to heal these with specific power supply elements, without following a holistic approach. They overlook the bigger picture. Different industries have unique load structures serving specific operational needs, each needing different combinations of power supply elements. Each of these elements addresses a very specific area of energy efficiency, such as security of supply,

protecting essential loads, saving energy, and avoiding expensive upgrades."

"An independent energy procurement process should be conducted to provide appropriate and competitive solutions, where tender documentation based on international standards is sent out to various suppliers of different power supply-, seamless transfer- and renewable energy sources to tender. This process will also increase the overall feasibility."

Oosthuizen advises that a good energy strategy is to utilise utility power augmented by other feasible energy elements and to shift loads to minimise energy usage. "A good energy efficiency strategy is a worthwhile investment as it helps companies to avoid costly downtime and saves energy usage, thus improving the return on the investment made," concludes Oosthuizen.

*About Inframid
Inframid provides specialist Energy Efficiency Consulting and Project Management services. Inframid offers holistic planning and specialist multi-disciplinary support to ensure that clients achieve the highest level of energy efficiency and return on investment (ROI).*

Inframid does feasibility studies, to assist organisations with energy efficiency and independency, by implementing a beneficial mix of electrical power supply and load systems, such as; management of low energy load elements; utility connections at the most cost effective tariff scale; backup power supply in the form of diesel or other state of the art generators; uninterruptible power supply (UPS) systems to provide seamless changeover to backup power supply; and renewable energy generation.





Powermite switches on optimal performance with new AMPCO metal isolators

“Our customers in the commercial, mining and industrial sectors operate in harsh environments where they rely on superior-quality products to assist them in getting the job done reliably, cost-effectively and safely; our new AMPCO metal isolator switches fit the bill,” states Donovan Marks, Director of Powermite.

“When operating in such arduous applications safety needs to remain top priority. Therefore, we have specifically designed and developed our AMPCO metal isolator switches to be safety-centric to the ultimate benefit of operators and companies,” explains Marks.

Available from 63 – 630 Amps and in 3 or 4 poles, the IP65 (dust & water tight) rated AMPCO metal enclosed isolator switch range is ideally suited for disconnecting or isolating motor circuits. These compact and robust metal isolator switches feature an orange powder coated, rigid housing and cadmium plated screws. The housing which is manufactured from sand cast aluminium, features top and bottom entry points and provides ample space for wiring. In addition, the metal AMPCO isolator switches feature padlocking facilities which safely isolate the unit in the OFF position.

Adhering to world-class quality and international standards are intrinsic to Powermite’s DNA. The AMPCO metal product range upholds these values by complying with National Standards SANS/IEC 60309 P1 + 2. Furthermore, all Powermite plugs and sockets undergo stringent inspections during production processes and are manufactured in accordance with its ISO 9001 Quality Management Certification.

Alongside the isolator switches, the comprehensive AMPCO new aluminium manufactured metal range consists of CEE type metal plug and socket outlets, DIN and Swedish plugs and sockets, explosion proof plugs and sockets.

“These new metal innovations further expand our existing plastic and metal AMPCO range and place Powermite in the ideal position to deliver a wide host of solutions from under one roof,” concludes Marks.

Building on over 30 years of experience in manufacturing and supplying industrial plugs and sockets to customers across Sub-Sahara Africa, Powermite’s extensive product portfolio comprises cable reeling systems, specialised reeling cables, festoon systems as well as flexible mining cables. The Johannesburg head office delivers exceptional products and services to customers country-wide as well in the DRC, UK, Malaysia and Singapore through its vast branch network spread across South Africa, Botswana, Zambia, Mozambique and Namibia.



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Take your office on the road with the Canon PIXMA TR150 and PIXMA TR150 with battery

Compact and connected portable printers for professional results on the go

Canon Europe announces the launch of the Canon PIXMA TR150 and PIXMA TR150 with battery, two powerful, portable, and robust printers, delivering exceptional quality and enhanced usability. These compact models feature versatile wireless connectivity with support for both 2.4GHz and 5GHz Wi-Fi bands and smartphone control.



With convenience and quality at its core, the Canon PIXMA TR150 features a 1.44” mono OLED screen for simple navigation, as well as USB charging and the option to load custom templates. Perfect for a business on the move, the improved battery and ability to print more pages than before will ensure effortless and professional results, wherever and whenever.

Travel light with a portable printer Portable and tough for printing on the move, the Canon PIXMA TR150 with battery gives mobile workers the freedom to take their business on the road. The perfect companion for working remotely, users can expect fast and accessible charging through either the AC power adaptor or the bundled USB Type-C cable using a compatible in-car charger, power bank or laptop.

The sleek, robust and scratch resistant design add practicality, with all connection ports organised on one side of the device for optimum cable management, while the in-built anti-theft locking slot gives users the choice to secure the printer in temporary locations.

Enhanced usability and efficiency

Building on Canon’s heritage for easy-to-use printers, the PIXMA TR150 features a 1.44” mono OLED high-resolution screen, providing real-time ink levels and battery life indication (for PIXMA TR150 with battery) for easy navigation and complete visibility. Unique to this mobile printer, the PIXMA TR150 can store up to five pre-saved custom templates which the user can print directly from the screen without the use of a laptop, PC or smart device and can quickly produce core documents with speeds of 5.5ipm for colour and 9ipm for mono .

Fast and functional, the PIXMA TR150 with battery employs quicker charging (2 hours 20 minutes via the AC adapter) and the ability to print up to 330 pages from a single full charge . For enhanced usability, an easy attach-detach battery function ensures no tools are required which is ideal for when working on the go.



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Users without a router can simply click the dedicated Wireless Connect button and initiate a 1-to-1 connection with the printer to their smart device. Offering seamless wireless connectivity, the PIXMA TR150 has support for both 2.4GHz and 5GHz Wi-Fi bands, perfect for stable and stress-free printing.

High quality business printing on the go
 The hybrid ink system facilitates quick delivery of high-quality text and graphics, including last-minute presentations, charts and graphs when on the road. The system boasts a pigment black cartridge for sharp text, and a combined dye based four-colour cartridge (cyan, magenta, yellow and black) to achieve vivid photo prints with up to a 100-year album life. When running low on pigment black, the 'save black ink' mode allows for economical printing by reducing the use of black ink, so users are never caught short.

Capable of producing A4 borderless prints and the rear feed able to hold 50 sheets of plain paper, this model is perfect for pop-up shops needing to create vibrant point of sales materials at the touch of a button.

The Canon PIXMA TR150 and PIXMA TR150 with battery will go on sale from April 2020.

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 18,000 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

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.



Talbert Updates 60CC/55SA-LD For Increased Load Versatility

Talbert Manufacturing, a North American leader in specialized heavy-haul solutions, recently updated the 60CC/55SA-LD trailer for increased flexibility to meet differing hauling regulations. This unique trailer showcases a new hydraulically operated system to allow operation of the third axle only or a combination of third and fourth axles. The 60CC/55SA-LD also features an industry-leading 18-inch loaded deck height — 2 inches lower than competitive models — and 6-inch ground clearance. It also gives operators the ability to switch between configurations, for state-of-the-art load versatility and limiting the need for additional permitting.

Talbert Manufacturing will showcase a customized 3+1 configuration of the 60CC/55SA-LD trailer at booth F5504 during CONEXPO-CON/AGG, March 10-14, 2020, in Las Vegas, highlighting the trailer's versatility. The show model is designed to be under 53-foot overall length with a 28-foot deck length and tandem axle trailer with provisions for a third and fourth axle capable of a 2, 3, 4 and 3+1 axle configuration set up. Capacity for various configurations are: 55 ton in 10-foot two-point rigid load base with 108-inch swing and four axles close coupled; 55 tons in 13-foot two-point rigid load base with 132-inch swing and 3+1 E1Nitro axle extension; and 60 tons in 13-foot two-point rigid load base with 108-inch swing and four axles close coupled.

“When you look at the overall size of heavy-haul loads, a couple inches might not seem consequential; but to our customers, those 2 inches can make a world of difference,”

said Troy Geisler, Talbert vice president of sales and marketing. “Talbert has always been at the forefront of heavy-haul innovations, providing the trailers customers need to operate safely and efficiently in industries around the world. The 60CC/55SA-LD offers these operators the flexibility they need with a single trailer.”

The base model of the 60CC/55SA-LD features a 108-inch swing radius, 26-foot deck length and 8-foot-6-inch deck width. Additional customization is possible, including a 24-inch flip gooseneck extension that increases swing radius to 132 inches and allows greater load transfer capabilities.

Like all Talbert trailers, the 60CC/55SA-LD offers an industry-leading deck capacity rating. With a four-axle, close-coupled configuration, it provides a 55-ton capacity in 10 feet and 60 tons in half the deck length. It is also rated for 55 tons in half the deck length with a 132-inch swing radius and 3+1 configuration with the E1Nitro axle extension system. This innovative system uses a combination of hydraulic fluid and nitrogen to equalize axle pressures, providing proportionate weight distribution of each axle grouping to optimize the range of suspension movement and minimize stress for a smoother ride.

The 60CC/55SA-LD is manufactured with heavy-duty T-1, 100,000-psi minimum yield steel for extreme durability and longevity. Valspar R-Cure 800 paint is standard on all Talbert trailer to prevent corrosion, offering a long-lasting finish and better return on investment.

About Talbert Manufacturing
 Talbert has been building world-class heavy-haul and specialized trailers to rigorous customer specifications since 1938. The company offers complete lines of heavy-haul trailers and specialized transportation equipment for the commercial, industrial, military and government sectors. Its trailers and equipment are used in applications as diverse as renewable energy, aerospace, heavy construction, in-plant material handling, manufacturing and processing systems and much more. More information: Talbert Manufacturing, 1628 W. State Road

114, Rensselaer, IN 47978; 800-348-5232; sales@talbertmfg.com; www.talbertmfg.com, Facebook or LinkedIn.

@Talbert Manufacturing Inc. recently updated the 60CC/55SA-LD trailer with a new hydraulically operated system to allow operation of the third axle only or a combination of third and fourth axles for increased flexibility. The company will showcase a customized 3+1 configuration of the 60CC/55SA-LD trailer at booth F5504 during @CONEXPO-CON/AGG.



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