



DIGITAL AND  
SUSTAINABLE SOLUTIONS  
ACROSS EUROPE, THE  
MIDDLE EAST, AND  
AFRICA





# HAVING A BLAST

Diego Vallim, Vice President of Europe, the Middle East, and Central Asia, and Laurence Goodacre, Vice President of Africa, update us on Orica's recent activities in Europe, the Middle East, and Africa (EMEA), including its expanded digital portfolio, newly launched lead-free electronic detonators, and ambitious environmental targets

Writer: Jack Salter | Project Manager: Cameron Lawrence

There has been continuous growth in the mining industry in EMEA since we last spoke to Orica at the beginning of this year.

Europe has witnessed significant development in 2025 in terms of mining infrastructure and an increase in operations across the continent.

The industry has also progressed particularly well in Africa, especially compared to other parts of the world, with the region quickly finding its feet



when it comes to regulation changes and local content.

Orica has remained unwaveringly committed to excellence in the burgeoning EMEA mining sector throughout 2025.

“We have a massive footprint across EMEA, from the Northern Hemisphere to the Southern Hemisphere, so geographically it’s one of the most challenging regions we have within the business. We’ve seen continuous

growth in EMEA over the last 12 months, and I don’t see that backing off,” notes Laurence Goodacre, Vice President of Africa.

There is also strong demand in EMEA for core blasting activities and supplying mining and construction companies with explosives and blasting systems.

“EMEA is very diverse; you have different environments across the whole region. We’re seeing strong

demand in many countries, so it’s been a great year for Orica in 2025,” outlines Diego Vallim, Vice President of Europe, the Middle East, and Central Asia.

### **ORICA DIGITAL SOLUTIONS**

Since our previous interview in January 2025, the company has experienced increasing interest in its Orica Digital Solutions business.

Orica Digital Solutions seamlessly connects customers’ physical and



digital worlds so they can readily understand and optimise their operations at every step of the value chain, from exploration to processing.

Whether operating individually, or as a whole, its solutions ensure the right intelligence at the right time for better decisions and more predictable outcomes.

With a complete, timely, and accurate picture, customers can adapt their operations to improve safety, be more productive, use less energy, produce fewer emissions, reduce environmental impacts, and lower costs.

Orica Digital Solutions' products and technologies span Orebody Intelligence, Blast Design and Execution, Geosolutions, and Mine Simulation and Optimisation.

"Our digital portfolio is designed

**"OUR DIGITAL PORTFOLIO IS DESIGNED TO OPTIMISE THE ENTIRE PROCESS FLOW OF MINING AND INFRASTRUCTURE OPERATIONS"**

- LAURENCE GOODACRE, VICE PRESIDENT OF AFRICA, ORICA

to optimise the entire process flow of mining and infrastructure operations," Goodacre tells us.

Its advanced Blast Design and Execution solutions, in particular, provide end-to-end benchmarks and insights at every stage of the blasting process.

Deployed together or individually, these ensure greater precision and predictability for underground mining, quarrying, and construction.

BlastIQ™, for example, is Orica Digital Solutions' industry-leading, cloud-native Blast Design and Execution platform, which is ISO 27001-certified and provides effective storage, management, sharing, and referencing of all blast-related information.

This helps blasting professionals to improve blast designs, achieve better quality blasts, and reduce costs.

Design, drilling, loading, and



# MINING OUTLOOK

## HOW IMPORTANT ARE ORICA'S PEOPLE TO YOUR SUCCESS?

### Laurence Goodacre, Vice President of Africa:

"Our people are our most valued asset. Reinvestment back into our staff is one of the most important things not only for me as an individual, but also Orica as an organisation.

"Graduate programmes are also really important for us, and historically, a lot of senior people at Orica have come from them. We develop a lot of industry experts, and that's something we're really proud from a training development perspective."



### Diego Vallim, Vice President of Europe, the Middle East, and Central Asia:


"This is a great question because there's nothing we can do without having good people at the forefront of new technologies.

"We consider our people as our greatest asset and continually invest in developing our talent and culture of innovation, which helps us to be always in the avant-garde of the industry.

"By investing in our people, we also help to develop the whole industry. One of the things we do to improve expertise across the whole industry is our Safe and Efficient Blasting Course, where Orica professionals from different parts of the world come together and train industry experts from around the world in different matters.

"This course is something we're very proud of. It's important because it's a way to not only develop our own people, but also develop the whole industry in how to have more efficient, safer, and environmentally friendly blasting.

"We have performed several courses across the EMEA region recently, and we'll have more in the future."



initiating documents can be viewed in one central location, making it easy to access blast design history and key performance indicators, enabling the continuous improvement of blasting outcomes.

"BlastIQ provides real-time data and digitalises how we use that data and the analytics behind it," explains Goodacre.

This leads into SHOTPlus™, advanced blast design and modelling software for complex blasts.

SHOTPlus™ enables users to design, visualise, and analyse blast initiation sequences across surface and underground mining, quarrying, and construction applications.

As such, it provides the support and tools needed to improve productivity, safety, and environmental performance.

"SHOTPlus™ allows for specific blast design outcomes and results through advanced blasting software," Goodacre states.

Another of Orica Digital Solutions' Blast Design and Execution solutions is its industry-first OREPro™ 3D and OREPro™ 3D Predict, which optimises ore control in 3D and predicts blast results before they happen.

Using readily available input data, including the post-blast topography, Blast Design, and in-situ block model, OREPro™ 3D's sophisticated algorithms replicate movement dynamics throughout the entire blast and calculate SmartVectors™ that accurately transform the in-situ grade control into a post-blast model. ▣



# DRIVING LOGISTICS IN MINES ACROSS AFRICA

Over nearly three decades, SAS Logistics has grown from a regional transporter into one of East and Central Africa's most trusted logistics partners delivering safe, reliable, and technology-driven transport solutions across the mining and industrial sectors.

With a fleet of over 200 Scania trucks, we uphold the highest standards of performance, safety, and efficiency, ensuring that every delivery is executed with precision and care.

Over the years, SAS Logistics has grown alongside some of Africa's most demanding and dynamic industries. From our early work supporting gold mines in Tanzania's Lake Zone to our regional expansion into the Democratic Republic of Congo, Zambia, and beyond, our journey has been defined by adaptability and growth.

Guided by a philosophy of "Serving through Safety", we've invested continuously in our people, fleet, and systems to meet world-class standards in logistics management. Our expansion has not been merely geographic, it reflects a deepening of expertise, a broadening of capabilities, and an enduring commitment to operational excellence.

Today, SAS Logistics stands as a symbol of reliability and progress, combining local experience with international standards to deliver smarter, safer, and more sustainable logistics solutions across Africa.



## OUR TEAM, OUR STRENGTH

At the heart of SAS Logistics is a team of dedicated professionals whose expertise, discipline, and passion drive every aspect of our operations. From our drivers navigating some of Africa's most challenging terrains to our management and technical staff overseeing compliance and performance, every member of the SAS family plays a vital role in delivering excellence.

Our team brings together decades of experience across logistics management, transport safety, fleet coordination, and client service. We are proud to employ highly trained drivers, logistics coordinators, mechanics, safety officers, and administrative specialists: all united by a shared purpose: to move Africa safely and efficiently.

Our culture is one of integrity, respect, and teamwork. We believe that success is not achieved individually but through collaboration between our departments, with our partners, and alongside our clients. Every delivery, every milestone, and every achievement is a reflection of the collective effort and commitment of our people.



In the world of dangerous goods, safety isn't just a priority, it's our way of life. Every action we take is guided by discipline, teamwork, and precision to ensure uncompromising security and complete peace of mind for our customers.

Salim El-Busaidy  
Chief Executive Officer



# OUR CAPABILITIES AND COMMITMENT

At SAS Logistics, our capabilities are built on reliability, technology, and a deep understanding of Africa's logistics landscape. We provide end-to-end transport, warehousing, and supply chain solutions that ensure every consignment is delivered safely, efficiently, and on time.

Operating across Tanzania, the DRC, Zambia, and the wider East and Central African region, our fleet, people, and systems work in perfect coordination to support the mining, energy, and industrial sectors. Every journey is powered by precision, discipline, and an unwavering focus on safety and service excellence.

Guided by innovation and integrity, we continue to invest in advanced technologies like Geotab IVMS with in-built AI features to enhance visibility, control, and accountability across our operations. Our commitment is simple — to move Africa forward with trust, technology, and teamwork.



## TECHNOLOGY INTERGRATION

At SAS Logistics, technology is at the heart of how we operate. We understand that in today's logistics environment, precision, transparency, visibility, and accountability are key to success. Our investment in modern fleet technologies allows us to monitor every vehicle in real time ensuring that deliveries are safe, efficient, and fully traceable from departure to destination.

Every truck in our fleet is equipped with advanced AI In-Vehicle Monitoring Systems (IVMS) powered by Geotab. These systems provide continuous data on vehicle speed, driver behavior, fuel consumption, and route efficiency. With this real-time insight, our control center can proactively provide reports in real time, respond to incidents, optimize performance, and maintain the highest standards of safety and reliability.

Beyond tracking, our technology integrates seamlessly with our Fleet Safety System (FSS) and operational management platforms, creating a fully digital logistics ecosystem. This integration enhances communication, reduces downtime, and enables predictive maintenance ensuring that our clients experience not only timely deliveries but also the assurance of working with a technology driven advanced logistics partner.

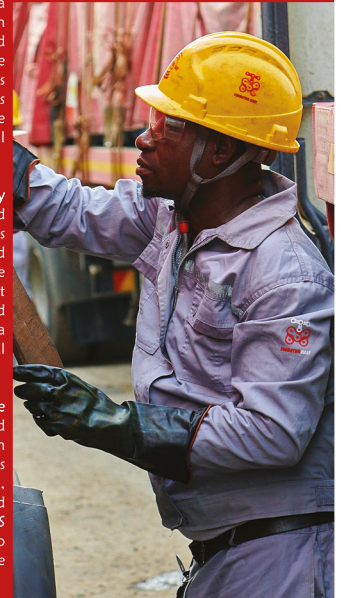


## SAFETY AND SECURITY

At SAS Logistics, safety isn't a policy, it's a culture. Every journey begins with preparation, discipline, and a shared responsibility to protect people, assets, and the environment. From our drivers and mechanics to our control center staff, everyone operates under strict safety protocols designed to ensure that every operation meets international standards and client expectations.

Our operations are guided by the Fleet Safety System (FSS) and internationally recognized ISO 45001:2018 certification. These systems enable us to monitor, evaluate, and continuously improve safety performance across all our routes and facilities. We conduct regular safety drills, vehicle inspections, and driver training programs to reinforce a zero-harm mindset and strengthen situational awareness across our teams.

Safety remains equally vital. We integrate real-time vehicle tracking, geofencing, and route risk assessments to safeguard both personnel and cargo. Every consignment is monitored from origin to destination, supported by our control center and rapid response protocols. Our clients trust SAS Logistics because we don't leave safety to chance — we build it into every kilometer we cover.



**Contact Us  
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“OREPro™ 3D is a software that helps customers to improve recovery through predictive modelling,” Vallim informs us.

“It’s a tool that’s been available for a while now, and it’s been very successful. Customers really appreciate this technology, especially medium-sized and large mining companies, and the way it helps them to improve recovery, which is of course extremely important.

“Through modelling, you can predict what will happen with your blasting process. This, of course, saves a lot of time and improves the overall efficiency of the mine.”

### **GEOSOLUTIONS EXPANSION**

Alongside its Blast Design and Execution products and technologies, Orica recently expanded its Orica Digital Solutions portfolio to include Geosolutions.

The company’s measurement and monitoring tools offer mining and civil operators the certainty and confidence to make critical decisions.

Combining state-of-the-art technologies and software, Orica Digital Solutions’ Geosolutions assure customers of precise and reliable information to help them better manage risk, optimise production, and keep people, communities, and cultural heritage safe.

“We have expanded our Orica Digital Solutions portfolio to include Geotechnical and Geospatial monitoring systems,” Vallim says.

“When you work with Orica Digital Solutions’ Geosolutions, you’re partnering with people who know mining first-hand. Our technology is backed by trusted names like GroundProbe, 3vGeomatics, Syscom, Measurand, NavStar, and RST Instruments, but it’s our on-site experience that makes the difference.”

The company builds systems that are tough, accurate, and ready for the realities of mining life and civil infrastructure.



CONNECTED  
DIGITIZING 4D™ ENERGY

ORICA

Bulkmaster 7

AMMONIUM NITRATE EMULSION

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More importantly, it pairs this hardware with smart software and on-the-ground support. From high-precision radar to practical data interpretation, Orica helps customers understand what the numbers mean and what to do next.

Geosolutions offers real-time geohazards and geotechnical analysis and insights, including a multidimensional geotechnical and geospatial view of mining and infrastructure operations, allowing for unparalleled confidence in risk assessment and decision-making.

“These solutions and technologies are available for our customers in the EMEA region. We see a lot of synergies, not only with their mining projects, but also as a way to help some of their environmental, social, and governance (ESG) ambitions.

“It’s important to highlight as it’s

part of our extended portfolio and provides value to our customers,” Vallim adds.

Orica Digital Solutions’ comprehensive monitoring technology platform, meanwhile, is used to measure movement in airports, bridges, water and tailings dams, mines, and tunnels.

“Some of our technologies help with monitoring vibrations, which improves our relationships with communities,” Vallim highlights.

Through Orica Digital Solutions’ Geosolutions predictive technologies and software solutions, customers are also able to monitor and detect wall movement, understand when it becomes a problem, and determine when a collapse is likely to occur.

Its reactive technologies detect, track, and alarm on moving geohazards, warning customers and

communities of a breach or collapse.

Another benefit of Orica Digital Solutions’ Geosolutions is they enable customers to significantly improve the efficiency and quality control of tunnel constructions and development drives.

Through precise, real-time tracking, users can make calculated decisions to increase efficiency, save time and money, and reduce reworks.

## ELECTRONIC BLASTING SYSTEMS ANNIVERSARY

This year, Orica has celebrated 25 years of Electronic Blasting Systems (EBS) since the launch of the company’s first i-kon™ system in 2000.

It marks a quarter of a century of innovation, reliability, and customer-driven advancement in blasting technology for the company. ■



**One-stop shop for renewable energy equipment, domestic and cross border haulage, construction and more.**

### **About A&B Replacement Parts Company**

A&B is a multifaceted company specializing in Domestic and cross-border haulage services, supply of renewable energy generating equipment such as solar, construction services, and direct importers and distributors of electrical cables, tubes, valves, tees, and bends.

### **Our Legacy and Growth Story**

A & B Replacement Parts Limited was established as a wholly Zambian company, since its inception in 1999 and is duly registered with the registrar of companies and the Zambia Revenue Authority.

The company has a work force of 14 staff with its Head office situated at No.10, Chibote Avenue, Parklands, and Kitwe.

The company comprises of four (4) sections

whose operations are domestic and cross border haulage, energy generating equipment and construction.

### **Our Mission**

Our Mission at A&B Replacement Parts is to become Zambia's top leading and internationally recognized direct importers and distributors of all Electrical Cables, Electrical Test equipment, Industrial electrical Heavy Duty Equipment, Low and High Voltage Switchgear products, HDPE pipes Stainless Steel Pipes, tubes, pumps/ Valves, Tees and Civil works/General Contracting and Transportation for all cross border Haulage of various Cargo in the SADC & COMESA Regions.

A&B Replacement Parts Limited is dedicated to building long-term relationships with its customers through quality of service, customer support, and after-sales services.



## Our Services

### Mining Logistics

Our mining logistics, procurement and supply office is situated at No. 10, Chibote Avenue, Parklands in Kitwe. Under this section, we supply to various mining companies, generation and transmission industries, mining electrical (low and high voltage switchgear products and all types of power cables).

### Renewable Energy Generating Equipment

We pride ourselves in supplying a broad spectrum of high-quality, cutting-edge solar products, ensuring you have access to the best the industry offers.

Experience superior solar inverters, solar panels, and solar power systems, that deliver reliable performance and durability all at a cost-effective price.

### Haulage Services

Haulage services provided by A&B Parts Replacement guarantee efficient and reliable transportation solutions for various goods, meeting diverse customer needs in logistics. We have in the recent past diversified to domestic and cross-border transportation of various goods to countries in the SADC and COMESA regions.

### Construction

The construction section of our business undertakes projects with a focus on quality materials and expert craftsmanship, delivering exceptional results in every endeavor. We are a registered company with the National Construction Council of Zambia undertaking rehabilitation and construction jobs in the country's public and mining sectors.





With over 200 million units deployed globally, supporting operations in Surface and Underground Mining, Tunnelling, Quarrying, and Construction, i-kon™ led the way in defining what a globally standardised EBS could be and set the benchmark for modern systems.

i-kon™ was launched at a time when the industry was dominated by non-electric and electric systems, both of which had limitations in terms of testability, timing accuracy, and scalability.

Since launching i-kon™ 25 years ago, Orica has remained at the forefront of Electronic Initiation, transforming the way the mining industry approaches safety, precision, and productivity.

It has also revolutionised the way blasting is conducted – introducing programmable timing, full testability, and now, the world's first truly wireless initiating system, WebGen™ 100.

This groundbreaking technology communicates through rock, air, and water to initiate blasts, eliminates

the need for downlines and surface connecting wires, and significantly enhances safety by removing people from hazardous areas.

A few years after, Orica launched WebGen™ 200, which uses low-frequency magnetic waves to communicate with each primer, ensuring precise and controlled blasting operations.

By eliminating the constraints of traditional wired initiation, WebGen™ 200 transforms mine planning by enabling more flexible, efficient, and precise blast designs, reducing risk exposure, and driving productivity gains.

“WebGen™ 200 is a really exciting product that's been in the market for a little but continues to unlock value for customers, not just in surface mining but also underground; it's changing the way we mine,” Goodacre highlights.

“We can now look at how we extract ore differently because of wireless technology, which is one of the most exciting products from an underground perspective and a whole different way of thinking.”

Having been implemented at over 75 sites across six continents and 13 countries, WebGen™ has seen significant usage throughout various regions, including EMEA.

“We have seen a lot of interest in WebGen™ 200 from many different types of industries here in EMEA,” confirms Vallim.

In March 2025, the technology reached a major milestone, achieving





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## Leading Supplier of Material Handling Equipment

### HALCYON MH LIMITED

Established in October 2010, Halcyon MH Limited has earned a solid reputation as Ghana's most proactive and efficient material handling equipment company. As the direct dealer for Linde Material Handling GmbH and MAGNI Telescopic Handlers, Halcyon provides world-class lifting and handling solutions that combine innovation, safety and performance.

At Halcyon, we go beyond being an equipment supplier. We are a complete material handling solutions partner with an aim of helping businesses move smarter, safer, and more efficiently by delivering premium equipment and unmatched technical support. Whether for warehouses, factories, logistics hubs, ports, or construction sites, our solutions are designed to improve operational efficiency and reduce downtime.

With a fleet of over 200 lift trucks in Ghana, Halcyon MH Limited has one of the largest and most reliable rental and sales inventories in the country. This capacity allows us to meet the diverse needs of clients across industries ensuring quick availability, dependable performance, and minimal downtime, no matter the project size or location.

Our strategic partnerships set us apart. Through our direct dealership with Linde Material Handling and MAGNI Telescopic Handlers, we bring customers the latest in global engineering excellence equipment renowned for reliability, performance, and ergonomics. We also partner with TVH Belgium, Europe's largest and most cost-efficient spare parts supplier, ensuring that our clients have access to genuine parts, rapid maintenance and responsive after-sales service.

These collaborations give us the global backing and technical edge needed to meet every material handling challenge.

Halcyon MH Limited offers a comprehensive range of products and services tailored to suit diverse industrial applications. Our offerings include:

- 1. Forklift Rental and Sales:** A wide range of electric, diesel, and LPG forklifts for every operational demand.
- 2. Telehandlers and Reach Equipment:** Versatile lifting solutions for production, construction, and industrial operations.
- 3. Pallet Trucks and Stackers:** Durable, high-performance solutions for warehouses and logistics centers.
- 4. Scissor Lifts and Access Platforms:** Safe and efficient elevation for maintenance, installation, and construction projects.
- 5. Maintenance and After-Sales Support:** Skilled technicians providing timely servicing, repairs, and genuine spare parts to ensure maximum uptime.

At Halcyon, we view every customer as a partner in progress. We take time to understand each client's

unique operational environment and recommend tailored solutions whether through short-term rentals, long-term leases, or outright purchases. Our flexible terms, responsive service, and dedicated technical support ensure clients receive maximum value, safety and reliability at every stage.

Our excellence in service delivery has earned us the trust of leading local and international companies. Among our key partnerships is our strategic relationship with Orica, a global leader in industrial and mining solutions. Through this collaboration, Halcyon supports Orica's operations with specialized equipment and expert technical assistance ensuring safety, precision, and efficiency in every task.

Over the years, Halcyon MH Limited has remained committed to efficiency, reliability, and customer satisfaction. With a focus on continuous improvement and innovation, we continue to set the benchmark for material handling excellence in Ghana and across West Africa.

**For equipment that lifts performance, safety and productivity, trust Halcyon MH Limited, your reliable partner in material handling solutions.**

10,000 blasts globally and firing 200,000 WebGen™ 200 primers.

This reflects its rapid widespread adoption and success in the mining industry, enabling customers to implement new mining methods and achieve real-world benefits.

Orica's i-kon™ III and WebGen™ 200 systems therefore build on the company's legacy of precision and safety, offering advanced digital integration, improved deployment efficiency, and enhanced environmental performance.

### **LEAD-FREE ELECTRONIC DETONATORS**

The evolution from i-kon™ III and WebGen™ 200 continues with the recent launch of EBS Neo, Orica's new range of fully lead-free electronic detonators.

EBS Neo products are designed for enhanced safety and sustainability, eliminating lead from both production and blasting emissions.

"This is a journey that started many years ago; we needed to develop different alternatives to eliminate lead from the whole production chain, and we are now seeing increasing adoption of lead-free detonators," affirms Vallim.

The EBS Neo range utilises non-primary explosives detonator technology for the safe and reliable initiation of explosives in challenging conditions.

This next generation of EBS includes i-kon™ III Neo – engineered for large, complex surface and underground blasting; uni tronic™ 600 Neo – tailored for civil tunnelling and mine development; and eDev™ II Neo – optimised for small to medium-sized surface and construction blasting.

These systems build on Orica's legacy of precision and safety, offering advanced digital integration, improved deployment efficiency, and enhanced environmental performance.

Orica does not use lead or lead



compounds in the manufacturing of its EBS Neo detonators and takes steps to seek assurances from its suppliers in this regard.

"We tested different materials and came up with a configuration that doesn't require any lead at all, so it's very aligned with our ambitions to have a more sustainable portfolio of products," Vallim acclaims.

"EBS Neo is definitely a game-changer. By removing lead from the entire lifecycle, it helps customers with their ESG," echoes Goodacre.

"When we talk about removing lead from detonators, this is the final evolution of the EBS product range. It's a lot safer from an ESG perspective and helps with regulatory compliance."

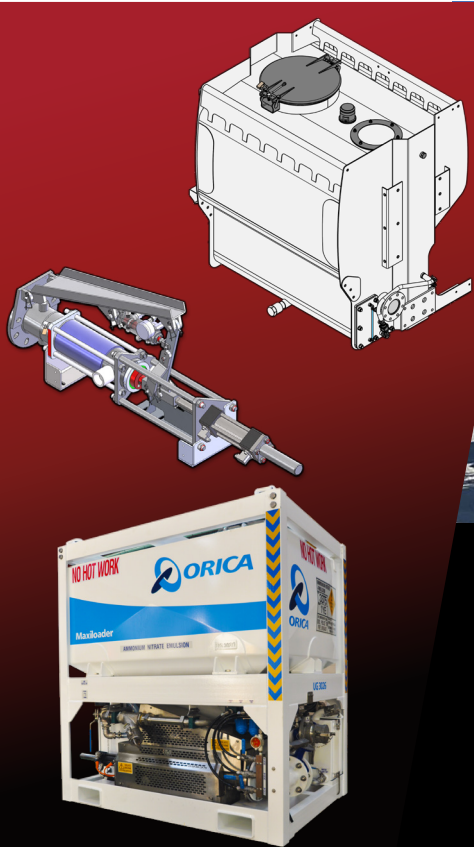
Crucially, the EBS Neo range complies with the requirements of the EU's Restriction of Hazardous

Substances (RoHS) Directive, which aims to prevent the risks posed to human health and the environment related to the management of electrical and electronic equipment (EEE).

The directive promotes the recyclability of EEE, since its components now contain fewer hazardous substances and more recycling opportunities.

At the same time, it ensures a level playing field for manufacturers and importers of EEE in the European market.

In April 2026, a specific exemption related to the use of certain lead and hexavalent chromium compounds in electric and electronic initiators of explosives for civil (professional) use expires, however EBS Neo complies with the RoHS Directive beyond this deadline. ▣



## R&R Murphy: Expanding Capability, Driving Innovation

For over 20 years, R&R Murphy Pty Ltd has proudly partnered with Orica to design, manufacture, and support vehicle-mounted industrial process units for the global mining and quarry industries. From developing new emulsion charging technologies to supporting these solutions throughout their life cycle, R&R Murphy has built a reputation for precision, reliability, and Australian-made excellence.

### A Proven Partnership

R&R Murphy has evolved from a contract manufacturing vendor into a **full-service excellence partner**, collaborating daily with Orica's engineering, asset management, and new technology teams. This partnership supports the complete asset life cycle of Orica's underground process units — from design and manufacture to fulfilment and field support — across **Australia, the Pacific, and Asia**, with additional capability for **North American and European** projects.

The company's expertise includes the **manufacture of vehicle-mounted industrial process units** for Orica's hard rock blasting services, ensuring consistent production throughput and quality across all operating regions. R&R Murphy also delivers **fitment, retrofitting, and commissioning** of underground delivery systems onto carriers such as **Normet, Maclean, Mercedes Benz, Getman, and Epiroc**.

Beyond manufacturing, R&R Murphy provides end-to-end logistics and warehousing, managing critical spares, pre-commissioned emulsion units, and a dedicated spare parts store for consumables and replacement components. These assets are maintained and ready for rapid deployment to Orica customer sites in **21 countries**.

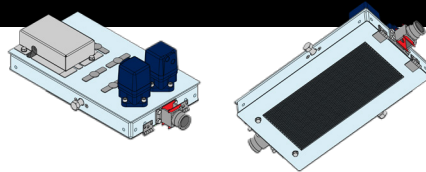
Continuous improvement underpins the company's approach — from refinements to the **MaxiPump™** for more reliable

emulsion pumping, to advancements in **MaxiLoader™** and **MaxiCharger™** designs that have reduced production time and cost while increasing field durability. R&R Murphy also plays a vital role in **prototyping and compliance testing** for Orica's **4D™ advanced blasting solutions**, integrating digital technology, hydraulics, and mechatronics to maximise safety and efficiency in the field.

### New Milestone: BM Pro Production and Facility Expansion

In its latest milestone, **R&R Murphy** has commenced manufacture and supply of **Orica's BM Pro quarry truck**, marking a new chapter in Australian manufacturing and innovation. The BM Pro project reflects the strength of the long-standing partnership between the two companies and highlights R&R Murphy's ability to deliver complex, high-value industrial solutions to global standards.

To support this next phase of growth,



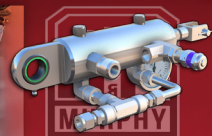
R&R Murphy is expanding its operations with the development of a **world-class manufacturing facility — doubling its footprint to over 7,000 m²**. This major investment increases production capacity and efficiency while reinforcing the company's commitment to Australian manufacturing and continuous improvement.

From concept to completion, R&R Murphy continues to set the benchmark for quality, capability, and innovation in industrial manufacturing — proudly supporting Orica's mission to deliver safe, reliable, and sustainable solutions to the global mining and quarrying sectors.



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“Whenever we talk about new technologies, we put a lot of emphasis on performance and safety, but for some products, compliance is very important. There is legislation in Europe that will change in 2026, and EBS Neo is fully compliant with this, so we are well-positioned to supply the market with the full range of lead-free detonators next year,” emphasises Vallim.

“There are lot of European standards coming into play, so being one of the first from the industry to have a full end-to-end solution to remove lead from the process is exciting. It’s leading us towards safer and more sustainable blasting solutions across the board,” Goodacre elaborates.

From i-kon™ to WebGen™, and now the EBS Neo range, Orica continues to redefine what’s possible in blasting

“WHEN YOU WORK WITH ORICA DIGITAL SOLUTIONS’ GEOSOLUTIONS, YOU’RE PARTNERING WITH PEOPLE WHO KNOW MINING FIRST-HAND”

- DIEGO VALLIM, VICE PRESIDENT OF EUROPE, THE MIDDLE EAST, AND CENTRAL ASIA, ORICA

- driven by innovation, inspired by people, and focused on the future.

#### UTILISING WASTE OIL

Along with EBS Neo, Orica continues to lower environmental footprints through blasting solutions such as Cyclo™, which optimises mine site fuel through circularity.

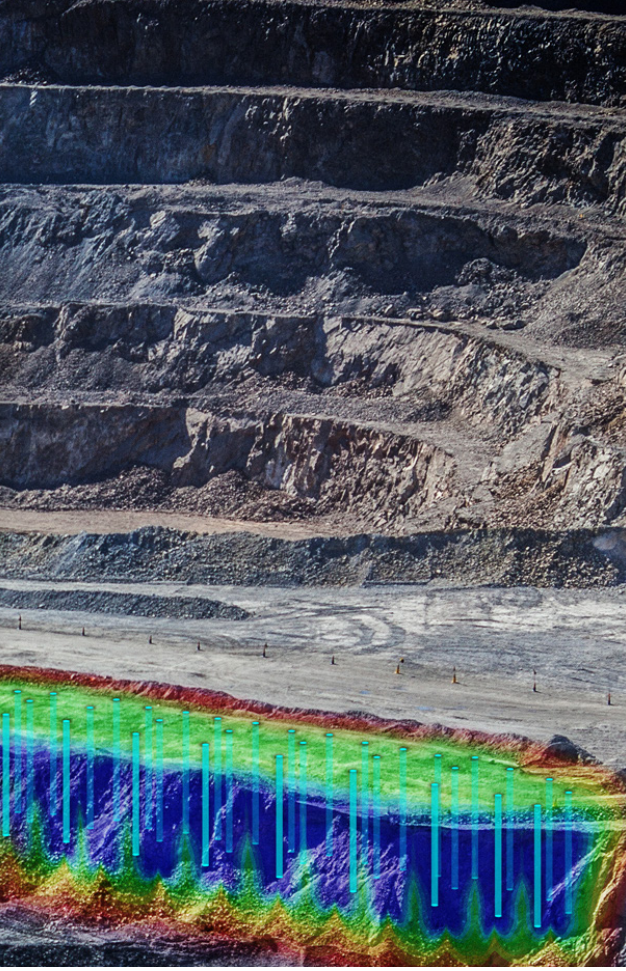
This automated processing system enables used oil from heavy machinery to be recycled directly on-site and transformed into raw materials.

The proven technology offers efficient processing and quality output that matches the standard required for manufacturing emulsion explosives.

Cyclo™ is designed to support remote operations where Orica’s site-based emulsion plants are available.

It can process up to 1,000 litres of used oil per hour and enable significant reductions in the cost and consumption of fuel for explosives.

As well as this, Cyclo™ removes the need for off-site disposal and





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## COMMUNITY ENGAGEMENT AND COLLABORATION

Orica values the strong and collaborative partnerships it has with host communities.

The company works closely with, and contributes to, the communities it works in.

Over the last 12 months, it has seen a stronger focus from developing countries wanting companies like Orica to be more involved in community engagement.

"How we transfer local knowledge and technology for these developing countries is really important," Goodacre outlines.

truck movements through local communities and ensures finished product quality is maintained to the standard required for bulk emulsion manufacturing.

"Waste oil is a big by-product in mining operations, so Orica created Cyclo™ to utilise waste oil instead of fuels," Goodacre expands.

"It utilises waste oil on the mine site, so it doesn't have to be exported, disposed of, and treated elsewhere.

"Cyclo™ is really important for trying to be renewable and consuming everything on-site. Waste oil is a big part of that process for our customers, so it has a big impact in terms of boosting ESG," he acknowledges.

## INVESTMENT IN RAW MATERIALS

Since we last spoke to Orica, the

company has remained committed to securing the supply of critical raw materials for the mining industry.

It consistently invests in developing new raw materials and sources of supply to not only improve safety and compliance, but also to have a more flexible supply chain.

"The supply chain has been very challenging in the last few years, not only in the mining sector but across almost all industries," Vallim reflects.

The company has continued to strengthen its supply chain to ensure it has security of supply.

"Sourcing raw materials is critical for us. Our manufacturing and sourcing footprint gives our customers confidence that we're able to manage different situations," Goodacre enlightens.

"We can manage an entire portfolio from a global perspective, not just ▣



one source of supply. The biggest thing Orica is focused on is security supply from multiple sources, not just internally but externally as well.”

Orica also invests in its facilities, such as the company’s main manufacturing plant in Gyttorp, Sweden, which now produces the EBS Neo range of lead-free detonators.

In February this year, Orica additionally invested to expand its global footprint with the acquisition of Cyanco, a US-based leader in the manufacture and distribution of sodium cyanide.

Primarily serving the gold mining industries in the US, Canada, Mexico, Latin America, and Africa, Cyanco

complements Orica’s established mining chemicals business.

“We’ve made some specific investments to expand our strong global footprint, and one of them was the acquisition of Cyanco in the US,” reveals Vallim.

“Partnering with other companies and performing some acquisitions to improve our global footprint is a very important part of our investment.”

### SUSTAINABILITY AMBITIONS

In May, Orica established its commitment to 100 percent renewable electricity by 2040, with an interim goal of 60 percent by 2030.

These targets are in support of the company’s ambition to achieve net zero emissions by 2050.

“It’s not just pie in the sky – it’s a sustainable approach with initiatives put in place, and we’re ticking them off from a global framework perspective,” Goodacre sets out.

“We’re on track with these targets and ambitions,” assures Vallim. “In Europe, we recently performed the first blast with low-carbon technical ammonium nitrate (TAN).”

Indeed, Orica successfully partnered with Fertiberia in June 2024 at the Canteras de Santullán quarry in Spain.

This marked a milestone in reducing



the carbon footprint of blasting and mining operations, providing a more sustainable solution compared to conventional TAN.

The blast signified a further step towards the decarbonisation of mining and the first industrial-scale use of a sustainable, low-carbon explosive product.

“It’s another example that enforces our sustainability programme, which is aligned to our ambition of net zero by 2050,” Vallim prides.

### DELIVERING GREAT VALUE

One of Orca’s main targets for 2026 is to continue advancing its net zero ambitions and supporting


customers in EMEA with their own ESG ambitions.

“We’re focused on helping customers meet their sustainability goals, specifically around reducing greenhouse gas emissions and supporting the energy transition that everyone’s going through at the moment in the future,” Goodacre shares.

Another of the company’s key priorities next year is to keep accelerating the adoption of the new technologies and solutions in its portfolio.

“We see a lot of value in customers adopting these new technologies because it improves their performance and supports

sustainability and the energy transition,” Vallim urges.

“It comes back to continuing to deliver great value for our customers and the communities we operate in,” Goodacre concludes. 



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