



MINING CHEMICALS

Keep you operating
safely and efficiently



ORICA'S MINING CHEMICALS WILL KEEP YOU OPERATING, SAFELY AND EFFICIENTLY

Our proven and responsive global supply chain ensures the safe and secure supply of cyanide while our technical specialists support its safe handling and effective use at the mine site.

KEEP YOU OPERATING

Orica offers a broad range of products and services right across the mining value chain, so you can be assured of consistent, seamless supply.

Our proven and responsive supply chain is end-to-end, from manufacturing right through to on-site monitoring and training. And to provide added security of supply, we work with you to ensure that contingency plans are in place.

We understand you need a secure supply of key raw materials to ensure your continuous operation.

SAFELY

Our dedication to safe handling and use helps you protect people, the environment and your business reputation.

Orica's proven delivery systems for cyanide and other chemicals include the use of accredited third party contractors. Orica also provides a 24/7 Emergency Response capability with technical advice and awareness programs for your staff in the safe use and handling of cyanide on your site.

We know you need high safety standards, environmental compliance and strong community relationships.

AND EFFICIENTLY

Orica's technical expertise can help you increase recovery and reduce total costs.

With metallurgists located in Latin America, Africa and Australia, and site-customised technical support drawing on our in-house engineering, design and testing capability, we support you to achieve the most from your processing.

Our PRO Service offer helps you access site-customised solutions, such as online analysers and product trials, targeted at reducing consumption and improving recovery.

All so you get the most out of your operations.



Orica's world-scale cyanide manufacturing facility is located in Yarwun, Australia.



Orica is committed to safety, both on our site and yours.



Orica has in-house engineering, design, blending and testing capability.

At Orica, we understand that mining is a complex business, with specialised inputs required at every step. We're dedicated to supporting businesses like yours, by offering a broad range of products and services for the mining and mineral processing industry.

With you every step of the way

We also know though that while quality raw materials are crucial, there's more to it than chemicals alone.

Mining process



Orica offer

Mining		Processing		
Ground Support	Blasting	Size Reduction	Leaching	Disposal
INJECTION CHEMICALS RESIN CAPSULES RESIN GROUTS BOLTS MESH POWDERS GRP BOLTS SERVICES	BULK EXPLOSIVES PACKAGED EXPLOSIVES ELECTRONIC BLASTING SYSTEMS EBS IS		CYANIDE SPARGE ANALYSERS	

Our mining chemicals offer integrates more broadly with Orica's full range of Blasting Services, Bulk and Packaged Explosives, Electronic Blasting Systems, Initiating Systems and Ground Support Systems.

PRO SERVICE

TACKLING YOUR SITE CHALLENGES

To achieve increased recovery and reduce total costs, talk to us about Orica's PRO Service.

At Orica, we understand that while quality raw materials are crucial, there's more to it than chemicals alone.

With the PRO Service package, Orica provides a proactive and systematic technical support service, supporting your team to ensure that you get the most out of our products, at your site.

Our methodical PRO Service project framework ensures that we understand your site challenges and objectives, so that we can then apply our mineral processing expertise and experience to deliver real process and economic improvements.

PRO SERVICE SOLUTIONS ARE TAILORED FOR YOUR SITE

Recommendations might include:

- Cyanide analyser installation
- Dosing optimisation
- Staged addition optimisation
- Detox optimisation
- Process modelling and benchmarking
- Sparge design and installation

THE PRO SERVICE FRAMEWORK



CYANIDE

As one of the largest global producers of sodium cyanide, Orica produces both liquid and solid sodium cyanide for use in the mining industry.

There are two core delivery methods:

- Box – wooden intermediate bulk containers (IBC's) for easy transportation
- Sparge – Orica-designed delivery system.

SPARGE

Orica's proven sparging systems ensure the safe and secure delivery of cyanide to your site, reducing risk associated with transportation, safety and the environment.

Available as bulk sparging and the smaller mini-sparging system, our standardised systems can be customised to meet your site's requirements.

Orica has unparalleled experience and expertise in the design and project management of Sparge systems, with more than 43 systems installed globally.

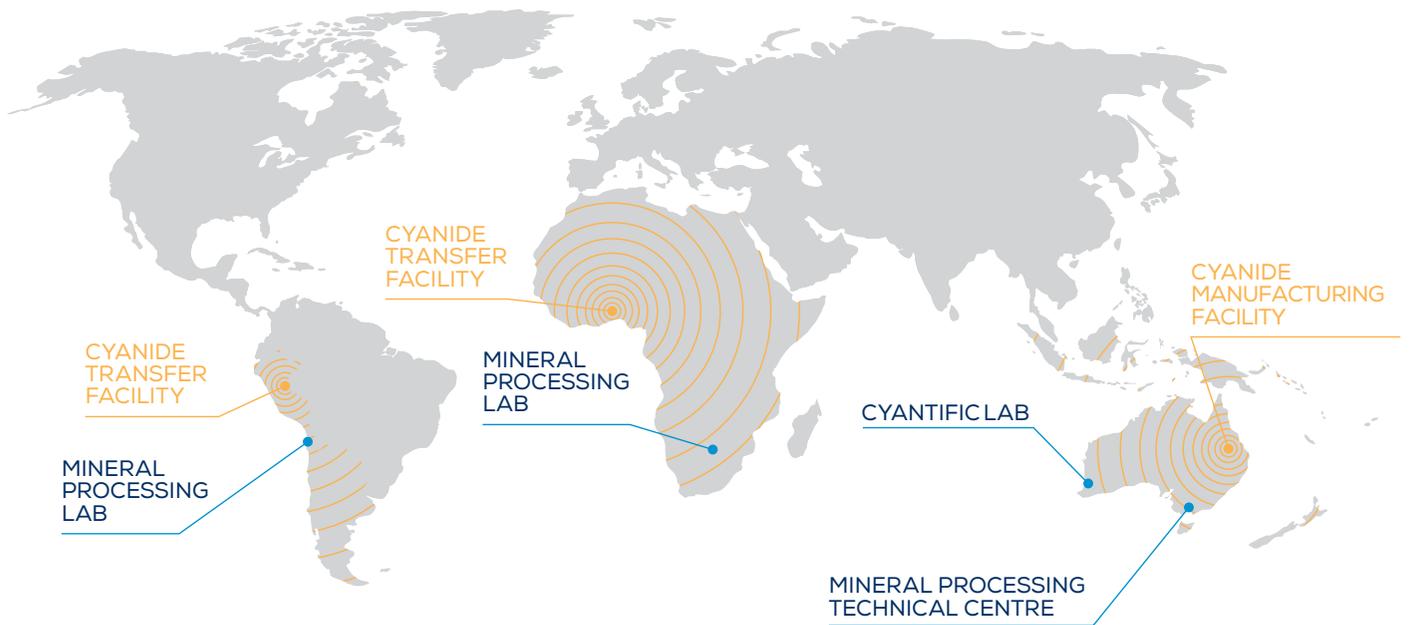
ANALYSERS

Cyanide accounts for a significant portion of the total operating costs of many gold and silver mines.

In recognition of this fact, Orica has developed a range of On-Line Cyanide Analysers designed to optimise cyanide usage, thereby lowering costs, without sacrificing precious metal recovery rates.

Orica's technical team, with extensive experience in gold processing, work in close partnership with customers to select and design an on-line analyser to meet their needs.

PROVEN SUPPLY PERFORMANCE



Orica's proven and responsive global supply chain ensures the safe and secure supply of chemicals to your site, wherever you are.

DEDICATED MANUFACTURING BASE

Orica-owned manufacturing facilities ensure our continuity of supply. These include mineral processing labs and our cyanide manufacturing plant, located in Yarwun, Australia.

CONTINGENCY PLANNING TO ENSURE CONTINUED SUPPLY

Our cyanide transfer stations in Africa and Latin America provide safety stock and storage capability, while contingency and inventory planning by site ensures specific solutions.

DEDICATED AND RELIABLE DELIVERY SYSTEMS

We provide services to ensure safe and secure supply, including Sparge or box cyanide delivery, route assessments and GPS Sparge tracking.



ORICA IS FOCUSED ON MINING

Orica is the largest provider of commercial explosives and blasting systems to the mining and infrastructure markets, the global leader in the provision of ground support in mining and tunnelling, and a leading supplier of sodium cyanide for gold extraction.

With a history spanning more than 120 years, since our foundation in 1874, we have built a proud tradition of leadership, innovation, quality and safety.

Orica is a truly global company: 15,000 people, from 130 nationalities; sites in 50 countries; and customers in more than 100 countries.

We have a commitment to sustainability and life cycle management.

Our global reach means we can be responsive to your site needs.

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