



# CAPITAL RAISING PRESENTATION

October 2024

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# Investment Highlights



## Financial Improvement



Capital Intensive Projects Finished; Opex Optimised and Sales Continue to Trend Upwards

## High-Margin Industries



Marketing Strategy Tailored to Premium, High-Margin & Green Industries and Applications

## Multi Decade Resource



Over 18mt<sup>1</sup> Of Inferred and Indicated JORC Compliant Kaolin Resources

## Worldwide IP License



Low Carbon Concrete Formulation and Batching Plant

## Global Megatrend Upside



2030 Forecast Global Concrete Market US \$972Bn, CAGR 4.7%<sup>2</sup>

## Commercial Rollout Partner



PERMAcast Is WA's Leading Supplier of Precast and Prestressed Concrete Products

1. Refer to Annual Report lodged with the ASX on 27 September 2024  
2. <https://www.alliedmarketresearch.com/concrete-market-A12420>

# Cement Is The Single Largest Industrial Polluter



The worldwide production of cement results in 3.2 billion tonnes of CO<sub>2</sub> per year; representing 8% of global emissions<sup>1</sup>

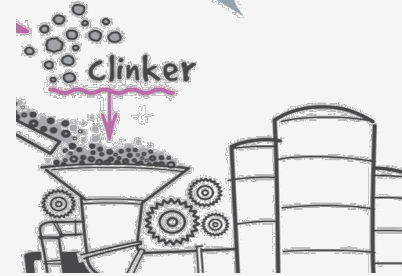
## Production Process



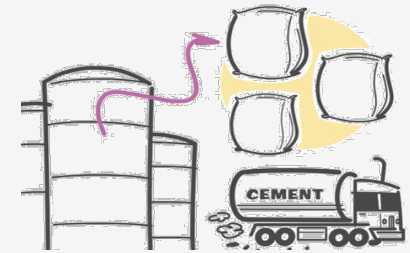
Mining and then grinding of raw material that includes limestone and clay; to a fine powder



Fine powder is heated at temperatures as high as 1450 °C in a kiln making clinker



Clinker is ground with gypsum to create a fine powder known as cement



Cement powder is mixed with water and aggregates to make the building material; concrete

## CO<sub>2</sub> Generation<sup>1</sup>

**~5%**

Drilling, blasting, hauling, crushing and grinding

**~90%**

Burning fossil fuels (~1450 °C) & release of CO<sub>2</sub>

**~0%**

Mixing stage (clinker is ground with gypsum)

**~5%**

Transportation and logistics

<sup>1</sup>. [cement.org/cement-concrete/how-cement-is-made/](https://cement.org/cement-concrete/how-cement-is-made/)

# Market Opportunity



**Cement is the grey powder that when mixed with water acts as the glue that binds the building material, concrete together**



## 2<sup>nd</sup> Most Consumed

Cement is second to only water as the most consumed resource on the planet



## 3<sup>rd</sup> Largest Emitter

If the cement industry were a country, it would be the third largest emitter of greenhouse gases

**~US\$972BN**

2030 forecast global concrete market<sup>1</sup>

**~4.7%**

Estimated CAGR between 2021 – 2030<sup>1</sup>



## 8.0% of Global Emissions

As core ingredient of concrete, cement is the source of 8% of the world's CO<sub>2</sub> emissions, equivalent to the global car fleet



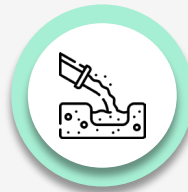
## 4.0 Billion Tonnes

Cement production equates to 4 billion tonnes annually with demand expected to grow to five billion in the next decade



## Market Size

The global cement market is larger than the global lithium, copper and iron ore markets



## 3.2 Billion Tonnes of CO<sub>2</sub>

The worldwide production of cement results in 3.2 billion tonnes of CO<sub>2</sub> per year

## Concrete Market



1. <https://www.alliedmarketresearch.com/concrete-market-A12420>



# Pittong Kaolin Operations



## Pittong is a 100% owned Kaolin operation located 40km west of Ballarat in Victoria

- Pittong is the sole wet kaolin mine and processing facility in Australia and has been in operation since 1972.
- Total Indicated and Inferred Mineral Resource of 5.5mt indicating the potential for a multi decade mine life<sup>1</sup>.
- Invested over \$5m into the facility since acquisition from Imerys S.A in 2021.
- In FY24 produced and sold circa 20k<sup>2</sup> tonnes of kaolin to traditional markets; plant name plate capacity validated to be circa 60k tonnes<sup>3</sup>.
- Marketing strategy tailored to premium, high-margin applications such as paints, coatings, pharmaceuticals and emerging green markets.
- Studies planned to commence analysing a low-cost processing method and calcining for production of Metakaolin.
- Metakaolin has the potential to be used as a supplementary cementitious material (SCM).
- There is limited access to high quality supplementary cementitious materials in Victoria which puts Suvo at the forefront as the sole kaolin producer in the Country.

Brands: Suvo's long-standing customers and offtake partners



**~\$12.3m**

Revenue generated in FY24 from the sale of circa 20k tonnes

**~\$601/t**

Average price per tonne achieved

**Mine Site**

Mining license approved to 2045

**~9tonne/hr**

Plant throughput<sup>2</sup>

# Entry Into Market

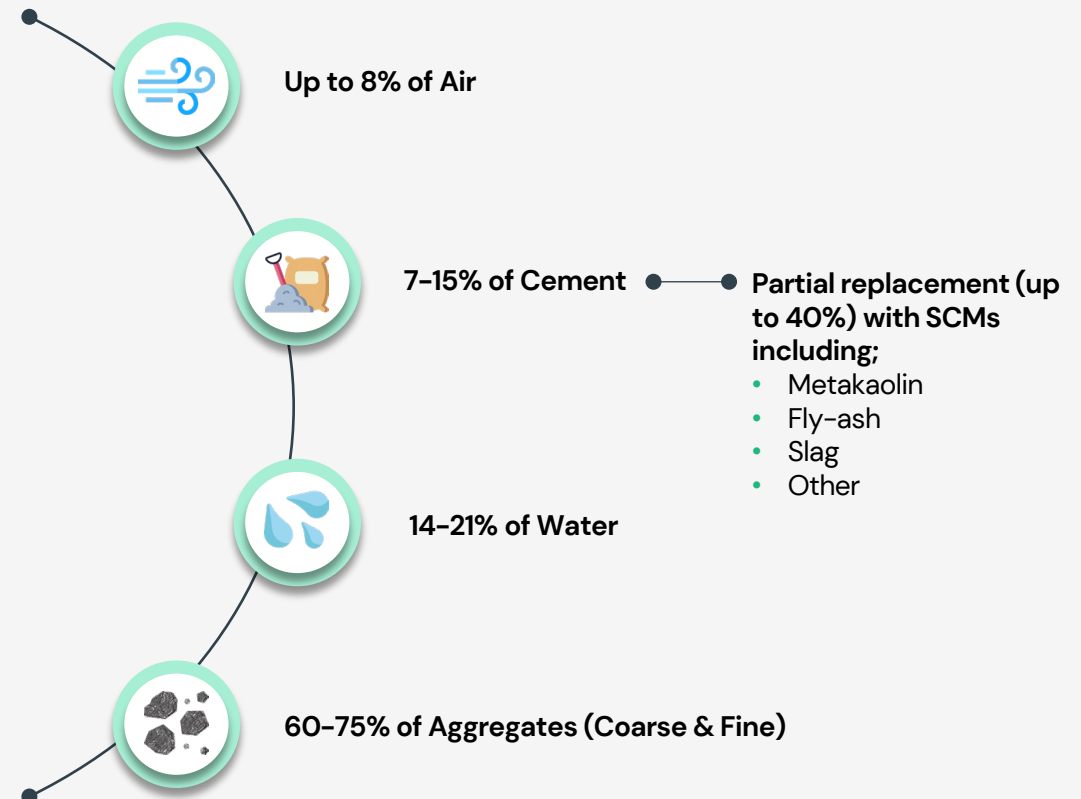


## Supplementary cementitious materials (SCMs) are commonly used as partial replacements of Portland cement in concrete mixtures

### Benefits of Metakaolin<sup>1</sup>

- Use of Metakaolin in concrete accelerates the initial setting time of concrete.
- It helps in development of the early age strength of concrete which allows the early removal of formwork and thus enhances the production rate.
- Metakaolin consumes calcium hydroxide thereby preventing the reaction of alkali-silica. Use of Metakaolin increases the resistance to sulphate attack, chemical attack and freeze and thaw action.
- It is a green option, an ecofriendly building material. CO<sub>2</sub> emissions reduction is relative to the amount of clinker or cement substitution.
- Metakaolin is classified as a class 1 SCM and is cost competitive against the import price of Portland cement.

### Components of concrete



<sup>1</sup>. <https://gharpedia.com/blog/metakaolin-in-concrete-advantages-and-disadvantages-and-properties/>





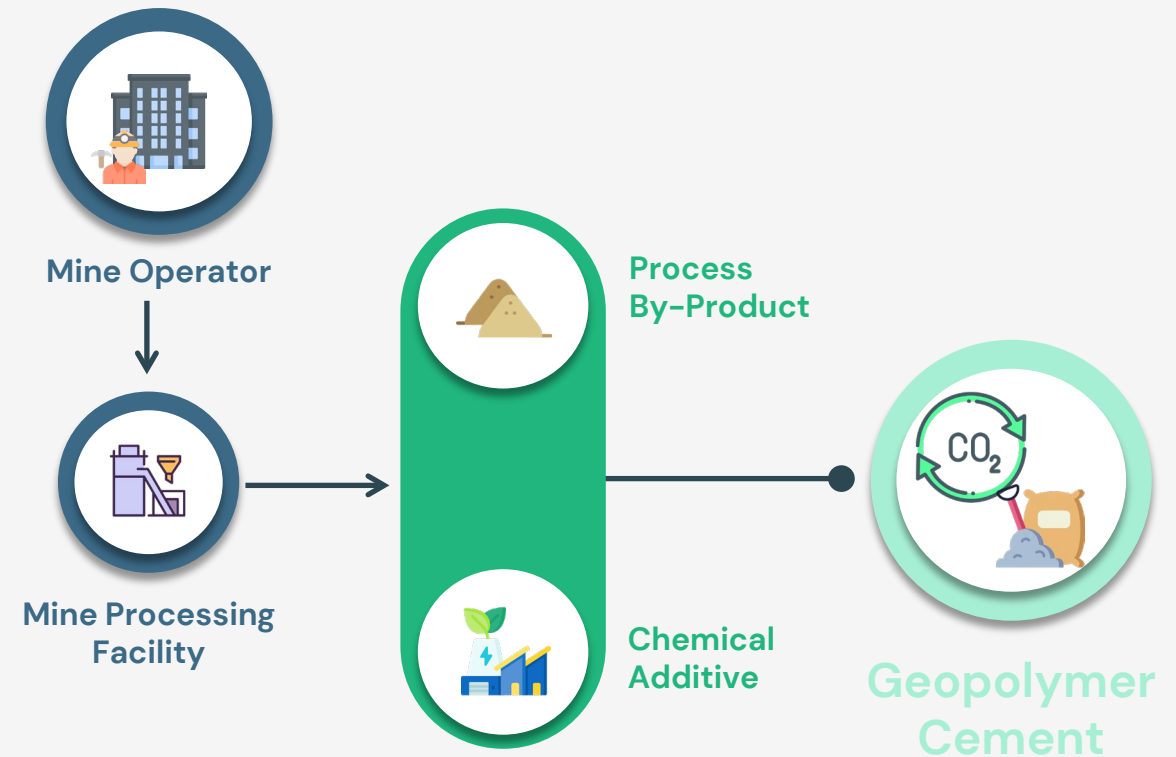
# Total Replacement For Portland Cement

**'Geopolymer' cement is a low carbon, green alternative and a 100% replacement for the traditional Portland cement binder**

## Benefits of geopolymer cement<sup>1</sup>

- Enhanced durability reduces need for frequent repair and maintenance, reducing total cost over the concrete's lifespan.
- Exhibits superior strength and durability compared to conventional concrete.
- Ability to reduce CO<sub>2</sub> emissions of the total project, in-line with new construction standards.
- More resistant to alkali-aggregate reactivity, more resistant to chloride attacks, and less susceptible to shrinkage and early age cracking.
- Environmentally friendly option using industrial by-products as an aluminosilicate source.
- The only solution for a 100% replacement of the Portland cement binder.

## Components of geopolymer cement



# Binding Joint Development Agreement with PERMAcast

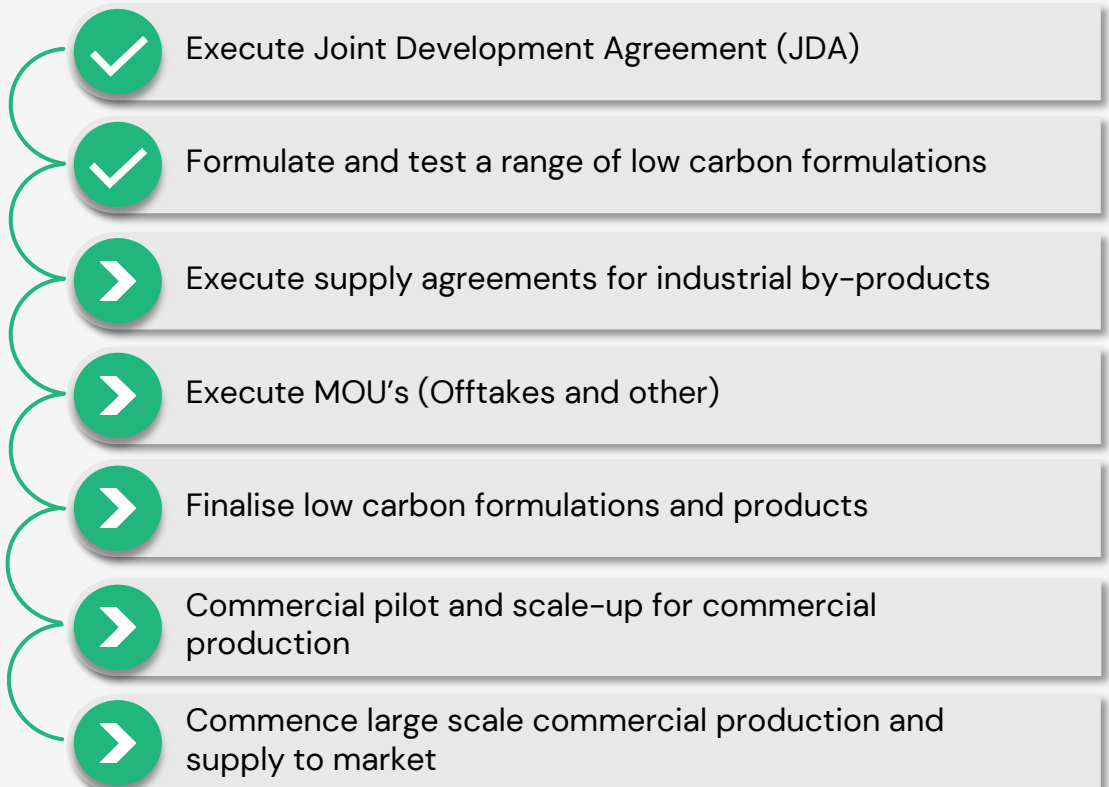


**WA's leading supplier of precast and prestressed concrete products appointed to deliver low carbon products to market<sup>1</sup>**

## Background information

- PERMAcast is a privately owned Company employing over 400 people.
- Notable projects include Chevron Gorgon Gas Project and Perth Optus Stadium.
- Climate Tech Cement (CTC) (wholly owned subsidiary of Suvo) will identify and characterise various industrial by-products from large miners.
- CTC will provide the intellectual property and create various mix designs meeting 10, 20, 30, 40MPa and maximum strength attainable.
- PERMAcast offers a clean avenue for scale-up and industry validation.
- The parties have produced and delivered the first low carbon product, a series of 1,000mm x 350mm x 350mm backing blocks, reaching up to 35MPa, to be used for demonstration purposes at a major Government infrastructure project<sup>2</sup>.

## Key milestones



# Co-operation Agreement with PT Huadi



**PT Huadi Nickel-Alloy Indonesia (PT HNI) is one of Indonesia's largest nickel producers and stockpiles significant quantities of nickel slag**

- A co-operation agreement has been executed for the purpose of the parties considering whether to enter into a potential commercial arrangement, including with respect to a partnership and or the ongoing offtake of the nickel slag from PT HNI.
- Nickel slag is the by-product generated from nickel production and is commonly stockpiled or otherwise committed to landfill. More importantly, nickel slag comes with a zero-carbon footprint.
- Laboratory trials conducted in collaboration with Makassar State University (UNM), in Indonesia, have successfully produced a high strength, low carbon cement using the zero-carbon nickel slag.
- The three samples tested showed extraordinary results, with the highest strength reaching 37.5Megapascals (MPa) after only 7 days.
- Using standard apparatus, the testing of slump, initial and final setting time and dry shrinkage will be performed in the second laboratory trial by UNM.

**September 2024, Makassar (Indonesia)**



In attendance: Acting Regent of Bantaeng, Andi Abubakar, Daily Acting Head of the South Sulawesi Province One Stop Integrated Service (PTSP), Muhammad Arafah, Director of PT Huadi Bantaeng Industry Park, Lily Dewi Candinegara, Executive Chairman of Suvo Strategic Minerals, Aaron Banks and Professor of Physics at Makassar State University (UNM), Prof. Subaer.

# Capital Raising



## TRANSACTION OVERVIEW

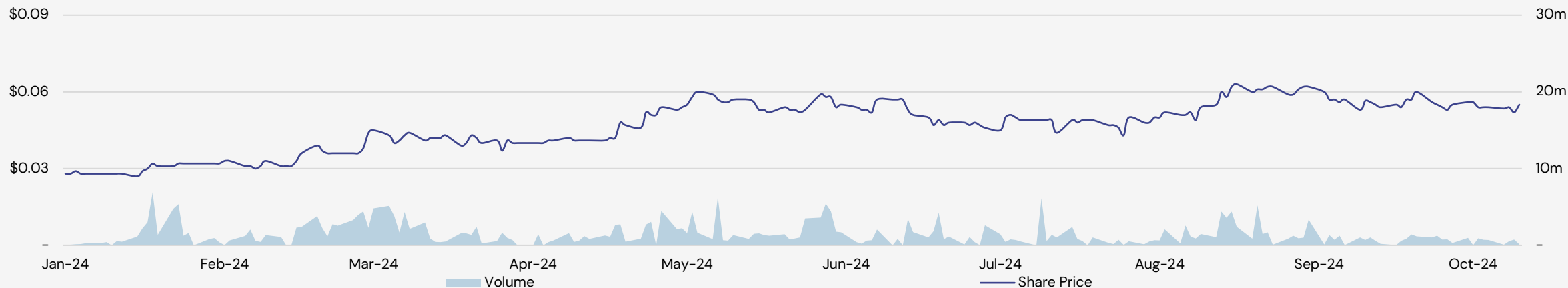
Offer Type	<p>Capital Raising to raise A\$2.0m (the <b>Offer</b>) (before costs), comprising:</p> <ul style="list-style-type: none"> <li>Placement to raise A\$2.0m by the issue of 41,666,666 new shares (<b>New Shares</b>) under the Company's LR 7.1 &amp; 7.1A placement capacity;</li> <li>Each participant in the offer will receive a free attaching option (<b>Option</b>) with a strike price of \$0.075, 2-year term, on a 1-for-2 basis.</li> </ul>	Transaction Type	Placement – Single Tranche
		Ranking	All New Shares issued under the Offer will rank equally with existing SUV shares from the date of issue
		Lead Manager	Bell Potter Securities Limited ( <b>Bell Potter</b> )
		Offer Pricing	<p>\$0.0480 per New Share represents a:</p> <ul style="list-style-type: none"> <li>11.1% discount to the last traded price of \$0.0540;</li> <li>11.6% discount to the 5 Day VWAP of \$0.0543;</li> <li>11.8% discount to the 20 Day VWAP of \$0.0544; and</li> <li>12.1% discount to the 30 Day VWAP of \$0.0546.</li> </ul>

## USES OF FUNDS & INDICATIVE TIMETABLE

Uses of Funds	The Company intends to apply the funds from the Offer as below:		Trading Halt	Monday, 21 <sup>st</sup> October 2024
	Development and commercialisation of low carbon cement (green cement) IP;	A\$1.10m	Company Recommences Trading	10am AEST, Wednesday, 23 <sup>rd</sup> October 2024
	General working capital; and	A\$0.78m	DvP Settlement of New Shares	Monday, 28 <sup>th</sup> October 2024
	Costs of the Offer	A\$0.12m	Allotment of New Shares	Tuesday, 29 <sup>th</sup> October 2024
	<b>Total</b>	<b>A\$2.00m</b>	Quotation of Options	Tuesday, 29 <sup>th</sup> October 2024

# Appendix

# Corporate Overview



## CORPORATE SNAPSHOT PRE-OFFER: 18 OCTOBER 2024

Shares on Issue	~967.8m
Options & Performance Rights	97.8m
Share price	\$0.054
Market capitalisation	\$52.3m
52-week high	\$0.066
52-week low	\$0.026
Cash & Cash Equivalents (30 June)	\$3.1m

## TOP SHAREHOLDERS PRE-OFFER: 18 OCTOBER 2024

Shareholder	Shares (m)	%
Mr Aaron Peter Banks	73.7	7.6
Melbourne Securities Corporation Ltd	71.5	7.4
Mr Christopher Weed & Mrs Janet Brockman	47.6	4.9
Mr Peter Mark Lewis	22.0	2.3
Mr Robert Kingsley Fitzgerald	17.0	1.8
Ratdog Pty Ltd	16.1	1.7
Dixon Trust Pty Ltd	12.7	1.3
Bearay Pty Limited	11.7	1.2
<b>Total</b>	<b>272.3</b>	<b>28.2</b>



# Experienced Board & Senior Management



**Aaron Banks**  
Executive Chairman

- A specialist business consultant with over 20 years' experience in contract negotiations and business development including senior roles in sales, marketing and construction management. In 2015, as founder & Managing Director of Australian Silica Pty Ltd, Mr Banks discovered one of the largest high grade silica sand resources in the world.



**Mark Pensabene**  
Non-executive Director

- Over 20 years of operational and management experience in the engineering and construction sectors. Mark spent 18 years with ASX-200 Company, Monadelphous Group, where he held a number of general manager roles. Most recently, Mark was the Executive General Manager & Chief Operating Officer at Primero Group, subsidiary of ASX listed NRW Holdings, a company specializing in the provision of EPC services in the Western Australian and North American mining sectors.



**Oliver Barnes**  
Non-executive Director

- Over 25 years' experience in natural resources and asset development with expertise in carbon, rural development, ESG and clean technology commercialisation. Mr Barnes was previously the Managing Director of an ASX listed land and water developer and held a senior role with an ASX listed phosphate technology company. He holds a Bachelor of Science in Agriculture Business Management.



**Bojan Bogunovic**  
Chief Executive Officer

- Qualified Chartered Accountant with a Bachelor of Commerce from Curtin University. Mr Bogunovic has extensive experience in the exploration, construction and mining industries in Australia and overseas. Mr Bogunovic has held senior financial roles with a number of ASX listed mining and exploration companies. Mr Bogunovic was the Company Chief Financial Officer and Chief Commercial Officer before his appointment as Chief Executive Officer.



**Hanno Van Der Merwe**  
Chief Operating Officer

- Over 25 years' experience in Estimating, Project Management, and Production Management, holding qualifications in Production Engineering and a Master of Business Management. Delivered a number of highly successful projects in Australia and Africa, holding senior management roles in the mining, oil and gas, renewable energy industries.



## For Further Information

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