



COMPANY PRESENTATION

September 2024

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Investment Highlights



Financial Improvement



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

High-Margin Industries



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

Multi Decade Resource



Over 18mt¹ Of Inferred and Indicated JORC Compliant Kaolin Resources

Worldwide IP License



Low Carbon Geopolymer Concrete Formulation and Batching Plant

Global Megatrend Upside



2032 Forecast Global Geopolymer Market US \$40Bn, CAGR 20.9%

Commercial Partner



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

Kaolin Operations



Compelling Kaolin Market Dynamics

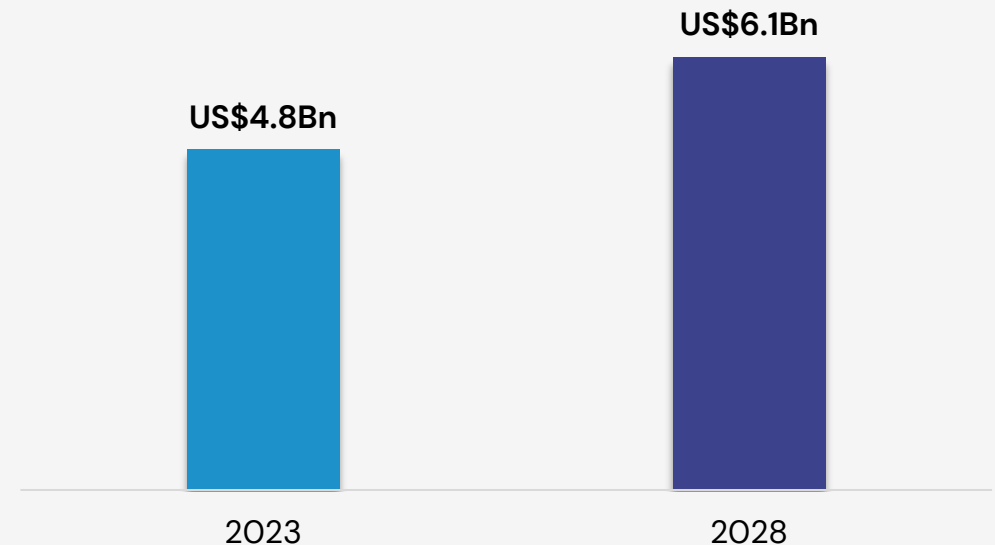
Kaolin is a white clay powder used in a broad range of industries

- Kaolin is used as a filler in paints, rubber and plastics; and in ceramics and refractory clays that can withstand high temperatures.
- Kaolin clay has proven to be an excellent extender for titanium dioxide in paint formulations.
- It offers good reinforcement properties, improving tensile strength, tear resistance and abrasion resistance in rubber compounds.
- It is a favourite constituent in pharmaceutical formulations because of its high purity and low toxicity. In tablets, capsules and powders it serves as a binder, diluent and filler.
- Suvo’s hydrous kaolin is highly suited to low-volume, high-margin premium markets due to its high purity and low toxicity.

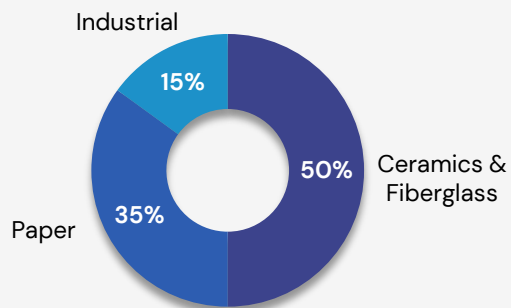
~US\$6.10BN
2028 forecast global kaolin market¹

~4.8%
Estimated CAGR between 2023 – 2028¹

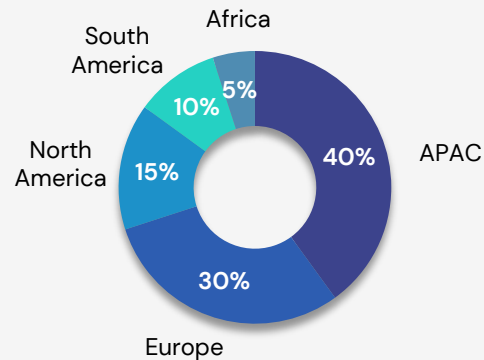
Kaolin Market



Demand by Industry¹



Demand by Region¹



1. Markets and Markets – Kaolin Market

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 5.69mt indicating the potential for a multi decade mine life¹.
- Invested over \$5m into the facility since acquisition from Imerys S.A in 2021.
- In FY24 produced and sold circa 20k tonnes of kaolin; plant name plate capacity validated to be circa 60k tonnes².
- Marketing strategy tailored to premium, high-margin applications such as paints, coatings and pharmaceuticals.
- Pittong ore body highly suited to premium markets due to its high purity and low toxicity.
- Premium markets demand pricing up to \$2,000/per tonne; average price achieved in FY24 was \$601/per tonne.
- Capital intensive projects have finished; opex has been optimised and sales continue to trend upwards.

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



~\$12.3m
Revenue generated in FY24³
from sale of circa 20k tonnes

~\$601/t
Average price per tonne
achieved³

Mine Site
Mining license approved to
2045

~9tonne/hr
Plant throughput²

Geopolymer Concrete



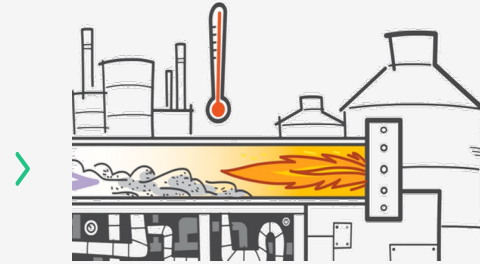
Cement – The Single Largest Industrial Polluter

The worldwide production of cement results in 3.2 billion tonnes of CO₂ per year; representing 8% of global emissions

Production Process



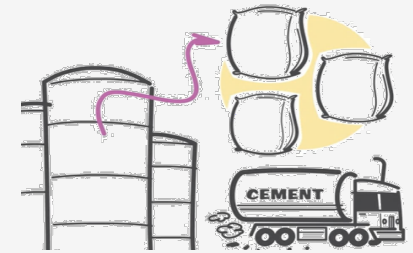
Mining and then grinding of raw material that includes limestone and clay; to a fine powder



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

CO₂ Generation

~5%

Drilling, blasting, hauling, crushing and grinding

~35%

Burning fuels to create energy (up to 1450 °C)

~55%

Release of CO₂ from calcination

~5%

Transportation and logistics

Choosing Between Precast & Ready-Mix Concrete



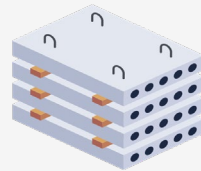
The difference between precast and ready-mix concrete is simple but very big

Precast Concrete

Precast concrete is made in a mixing plant after you've chosen the correct mix for your project's specs and regulations



It's poured into moulds and allowed to set, and then the product is delivered to the site



Example pre-cast products; backing blocks, pocket footings, noise walls, retaining walls, staircases, septic tanks and beams



Ready-mix Concrete

Ready-mix concrete is carefully mixed per your specific needs to follow regulations and specifications of your project



It's driven over in an agitator concrete truck promptly when you need it ready for pouring and curing in its exact location



Example ready-mix products; driveways, patios, fencing posts, foundations, flooring surfaces, high-rise buildings and bridges





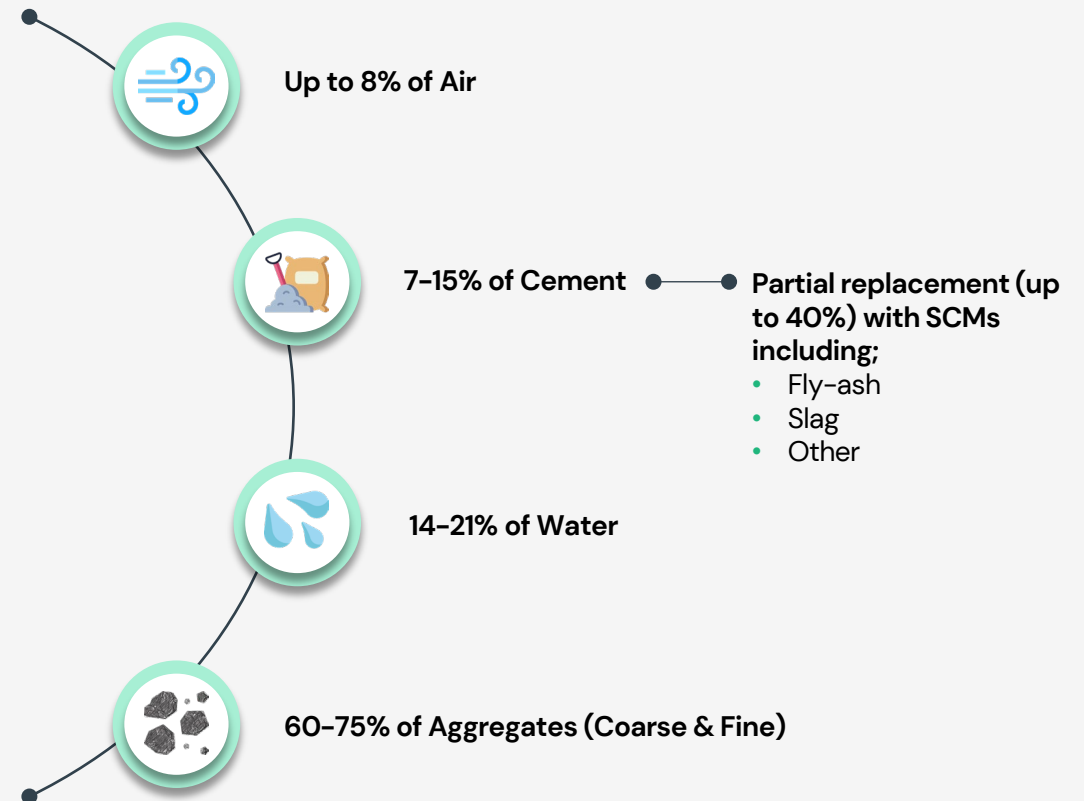
'Green Concrete' – SCMs

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

'Green concrete' market

- Most commonly used SCM's in concrete mixtures are fly-ash, slag, and to a lesser extent silica fume.
- SCM's can be used as partial replacement of clinker in cement, or as partial replacement of cement in concrete (up to 40% is the maximum).
- CO₂ emissions reduction is only relative to the amount of clinker or cement substitution.
- All leading cement and concrete powerhouses have an ecofriendly product in market; using by-products to partially substitute their usage of clinker and or cement.
- SCM's are cost competitive against the import price of Portland cement, however, they are only a part solution for the single largest industrial polluter.

Components of concrete





The Total Solution – Geopolymer Concrete

Geopolymer concrete is formed by the reaction between an alkaline solution and an aluminosilicate source or feedstock

Benefits of geopolymer concrete

- 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 CO₂ 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 or as a filler.
- The only solution for a 100% replacement of the Portland cement binder.

Components of geopolymer concrete

Industrial by-products and or metakaolin



Alkali activator



Aggregates (sand and rock) and or industrial by products (fillers)



Pre-cast concrete product





Market Opportunity

Rapid growth driven by emission reduction targets by industry



Net Zero by 2050

The Global Cement & Concrete Association (GCCA) is calling for complete decarbonisation by 2050



40% - 60%

Of concrete sales comprise national, regional and local governments and agencies globally



6 Countries

Are in the vanguard of adoption low carbon concrete and construction rules, and green procurement policies

~US\$40.0BN

2032 forecast global Geopolymer market

~20.9%

Estimated CAGR between 2023 - 2032

Geopolymer Market



Joint Development Agreement



WA's leading supplier of precast and prestressed concrete products



Photo 1: PERMAcast Facility



Photo 2: 1,000mm x 350mm x 350mm Geopolymer Backing Blocks

PERMAcast
Engineered for Efficiency

50 / 50
Joint Venture



**CLIMATE TECH
CEMENT**

- Privately owned Company employing over 400 people.
- Notable projects include Chevron Gorgon Gas Project and Perth Optus Stadium.
- PERMAcast offers a clean avenue for scale-up and industry validation.
- PERMAcast will provide the necessary funding for the project.
- Climate Tech Cement (CTC) (wholly owned subsidiary of Suvo) will identify and characterize various waste derived inputs for the GPC.
- CTC will create various mix designs meeting 10, 20, 30, 40MPa and maximum strength attainable.
- CTC and PERMAcast will assess and determine preferred route to market.



Suvo's Strategy for Precast Geopolymer Concrete

Partner appointed to deliver geopolymer precast products and projects

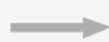
- Continued rises in energy prices and challenges with supply chains has resulted in increased prices for traditional cement options available to the construction industry.
- Increased prices coupled with the adoption of green and net zero targets following increasing ESG regulation in the construction industry has presented the need for a low carbon concrete alternative for industry players, with immediate market need.
- Under the new geopolymer concrete (GPC) strategy, Suvo is seeking to commercialise GPC following the development of the Company's licensed GP technology.
- Suvo has successfully culminated multiple lab scale geopolymer concrete solutions which showed promising results, the trials ran tests comprising five samples in each test returning an average compressive strength of 27 megapascal (MPa) up to 52MPa¹.
- Suvo has produced and delivered its first GPC product, a series of 1,000mm x 350mm x 350mm backing blocks, reaching up to 35MPa, to be used for a major Government infrastructure project².



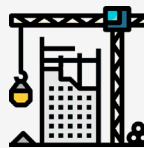
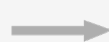
Industrial by-products and or metakaolin



Alkali activator



Geopolymer concrete



End-user

Key Milestones



1. ASX announcement 3 November 2023, 10 November 2023 and 13 June 2024
2. ASX announcement 1 August 2024

GPC Strength Formulations



Increased GPC strength formulations provides an opportunity to manufacture additional commodity products

10MPa

Applications

Retaining wall blocks
Concrete paving slabs
Garden kerbs
Decking foundation blocks

32MPa

Applications

Retaining wall sleepers
Water troughs
Pipeline supports
Gravity anchors blocks
Transportable foundations
Cyclone tie down blocks
Lighting pole foundation
Leech drains
Water troughs
Pipeline supports
Cattle grids
Feed troughs
Burial vaults
Tree rings

40MPa

Applications

Stormwater pit bases
Junction pit covers
Septic tanks
Stormwater side entry
Stormwater headwalls
L-shape retaining walls
Grease arrestors/traps
Road barriers
Soak wells
Foundations
Stormwater pits
Electrical pits
Noise walls
Bridge parapets

Trawalla Kaolin Project – Feedstock for Geopolymer Concrete



Trawalla is a 100% owned kaolin project, located 23km from Pittong, Victoria

- Trawalla is a fully licensed and permitted mine in Victoria with a 12.7mt kaolin JORC compliant resource.
- Test work shows significant concentrations of Halloysite grades up to 45.4%.
- Studies to commence analysing a low-cost processing method; simple de-sanding and calcining for production of metakaolin.
- Metakaolin has the potential to be used in low carbon geopolymer cement and concrete.
- Halloysite content in kaolin improves the structure of concrete.
- There is limited access to high quality aluminosilicates in Victoria and fly-ash is generated from low quality brown coal.

~12.7mt

JORC Inferred & Indicated resource¹

Mine Site

Fully licensed and permitted

Infrastructure

Power, gas, water and rail near mine site

Halloysite

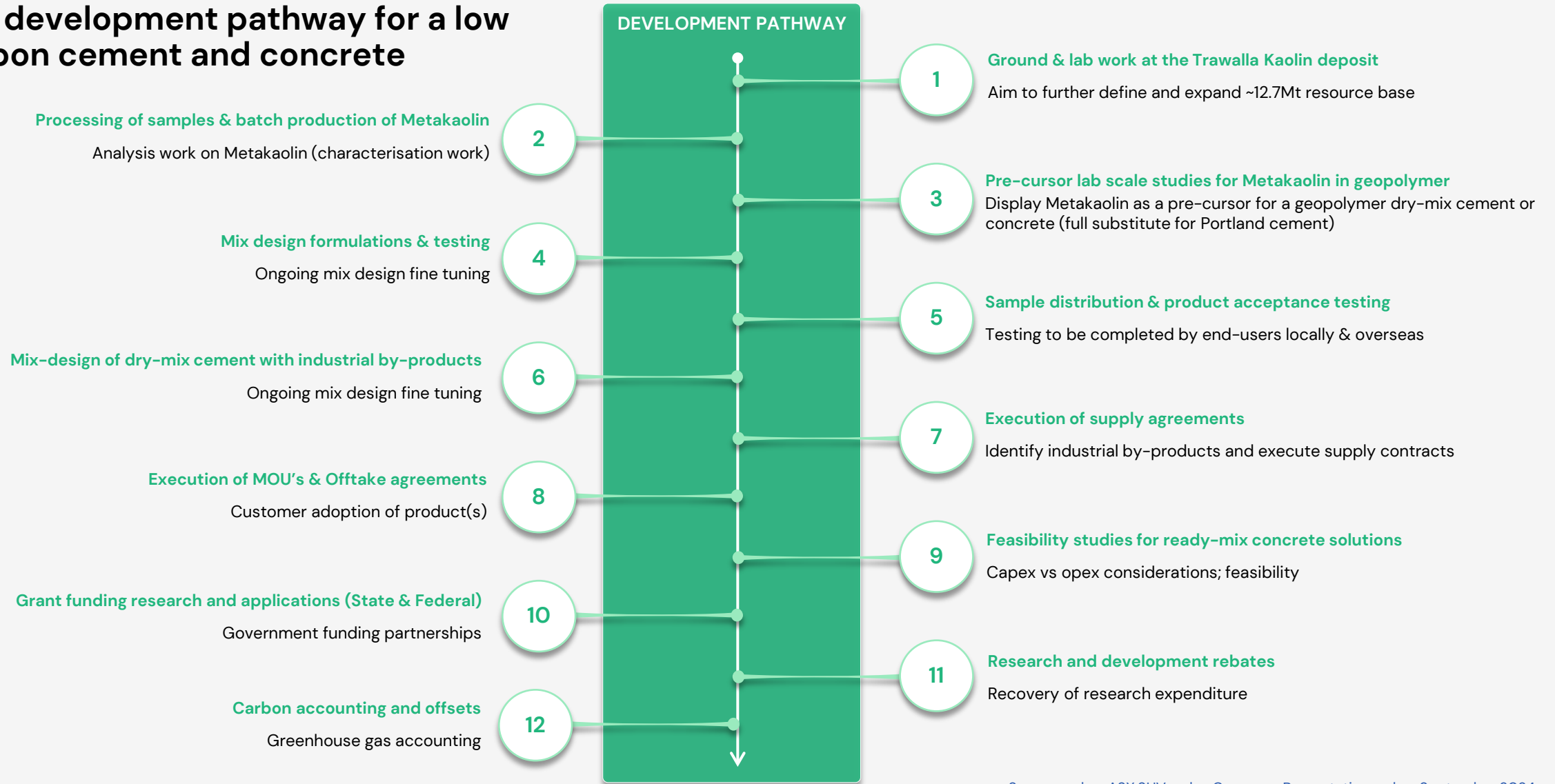
Grades up to 45.4%²





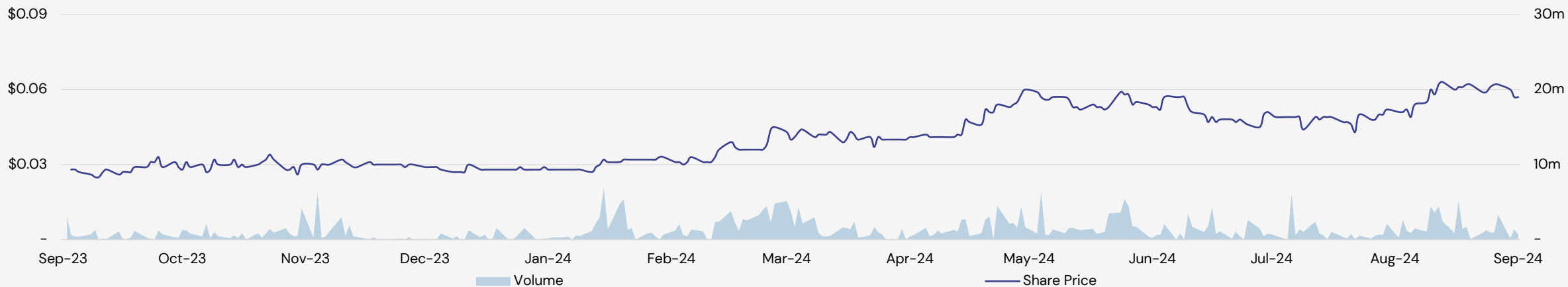
Suvo's Strategy for Ready-Mix Geopolymer Concrete

The development pathway for a low carbon cement and concrete



Appendix

Corporate Overview



CORPORATE SNAPSHOT (4/09/2024)

Shares on Issue	~967.8m
Options & Performance Rights	97.8m
Share price	\$0.057
Market capitalisation	\$55.2m
52-week high	\$0.066
52-week low	\$0.025
Cash & Cash Equivalents (30 June)	\$3.1m

TOP SHAREHOLDERS (4/09/2024)

Shareholder	Shares (m)	%
Mr Aaron Peter Banks	73.7	7.6
Melbourne Securities Corporation Ltd	69.2	7.1
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
Dixson Trust Pty Ltd	12.7	1.3
Bearay Pty Limited	11.7	1.2
Total	269.9	27.9

Experienced Board & Senior Management



Aaron Banks
Executive Chairman



Mark Pensabene
Non-executive Director



Oliver Barnes
Non-executive Director



Bojan Bogunovic
Chief Executive Officer



Hanno Van Der Merwe
Chief Operating Officer

- 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.
- 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.
- 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.
- 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.
- Over 25 years' experience in Estimating, Project Management, and Production Management, and 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

Aaron Banks

Executive Chairman

aaron.banks@suvo.com.au

+61 455 660 064

Bojan Bogunovic

Chief Executive Officer

bojan.bogunovic@suvo.com.au

+61 452 445 100

Suvo Strategic Minerals Limited

Level 11, 40 The Esplanade

Perth, Western Australia 6000

www.suvo.com.au

Investor Hub QRC

