



30 March 2022

ASX ANNOUNCEMENT

Company Presentation

The following presentation is a general update on **Suvo Strategic Minerals Limited (ASX:SUV)** ('Suvo' or the 'Company') and will be presented at the 'NWR Communications Near Term Producers Conference', being held today (Wednesday 30 March 2022) from 3.30pm AEDT/12.30pm AWST. The presentation is an update of activities of the Company and is not related to any transaction or event.

The release of this announcement has been approved by the Board of Directors.

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SUVO STRATEGIC MINERALS LIMITED

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ASX: SUV

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¹ Source: Green Cement Market 2022-2027, IMARC Group

About Suvo

Suvo Strategic Minerals Limited is an Australian hydrous kaolin producer and exploration company listed on the Australian Securities Exchange (ASX:SUV). Suvo is focused on production at, and expansion of, their 100% owned Pittong hydrous kaolin operation located 40km west of Ballarat in Victoria. Suvo's exploration focus is on near-term kaolin and high purity silica assets with 100% owned Gabbin (kaolin), Eneabba and Muchea¹ (silica sands) projects located in Western Australia.

Pittong Operations

The 100% owned Pittong Operations, located in Victoria 40km west of Ballarat, is the sole hydrous kaolin mine and processing plant in Australia and has been in operation since 1972. Pittong comprises of the Pittong, Trawalla and Lal Lal deposits located on approved Mining Licences MIN5408, MIN5365 and MIN5409 respectively.

At Pittong, mining contractors deliver crude kaolin ore to stockpiles from the two operating mines, Pittong and Lal Lal. The plant takes its feedstock from the ROM and it is processed into four separate products for end users. These products are 10% moisture lump, high solids slurry, 1% moisture powder and 1% moisture pulverised powder. The solids slurry is used in paper and board manufacturing. The other products are used in paper, coatings, paint and specialist industries including rubber and pharmaceutical applications. Currently around 25kt per annum is supplied to various end users.

3.74Mt Indicated and 1.97Mt Inferred Mineral Resource of kaolinized granite.

Gabbin Kaolin Project

The 100% owned Gabbin Kaolin Project (White Cloud) is located 215km northeast of Perth, Western Australia. The project area comprises four granted exploration licences (E70/5039, E70/5332, E70/5333, E70/5517) for 413km², centred around the town and rail siding of Gabbin.

The generally flat area is primarily cleared farming land devoid of native bushland and is currently used for broad-acre cereal cropping. A mining access agreement is in place over the current resource area with the landowner and occupier.

The main rock types at Gabbin are primarily Archaean granite, gneiss, and migmatite. These rocks are overlain and obscured by Tertiary sand and Quaternary sheetwash. The weathering profile is very deep and contains thick kaolin horizons capped by mottled clays or laterite zones. The current JORC 2012 Mineral Resources are 72.5Mt of bright white kaolinised granite with an ISO Brightness of 80.5%, <45µm yield of 41.2% results in 29.9Mt of contained kaolin.

Eneabba Silica Sands Project

The 100% owned Eneabba Silica Sands Project is located 300km north of Perth, Western Australia. The project comprises four granted exploration licences (E70/5001, E70/5322, E70/5323, E70/5324) for 169km².

The project is located on the Eneabba Plain whose sandy cover is very flat to gently undulating. Outcrop is rare due to the accumulations of windblown and alluvial sand at surface. Below this is a thin hard silcrete or lateritic claypan which overlies deep white and yellow sands.

Preliminary exploration has included 54 drillholes for 1,620 metres to depths of up to 30m. This program is anticipated to deliver an initial resource for the project and a process route.

Forward looking statements

Information included in this release constitutes forward-looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as "may", "will", "expect", "intend", "plan", "estimate", "anticipate", "continue", and "guidance", or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs.

Forward looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause the Company's actual results, performance and achievements to differ materially from any future results, performance or achievements. Relevant factors may include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs and demand for production inputs, the speculative nature of exploration and project development, including the risks of obtaining necessary licences and permits and diminishing quantities or grades of reserves, political and social risks, changes to the regulatory framework within which the Company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation.

Forward looking statements are based on the Company and its management's good faith assumptions relating to the financial, market, regulatory and other relevant environments that will exist and affect the Company's business and operations in the future. The Company does not give any assurance that the assumptions on which forward looking statements are based will prove to be correct, or that the Company's business or operations will not be affected in any material manner by these or other factors not foreseen or foreseeable by the Company or management or beyond the Company's control.

¹ Source: Green Cement Market 2022-2027, IMARC Group

Although the Company attempts and has attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in forward looking statements, there may be other factors that could cause actual results, performance, achievements or events not to be as anticipated, estimated or intended, and many events are beyond the reasonable control of the Company. Accordingly, readers are cautioned not to place undue reliance on forward looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, in providing this information the Company does not undertake any obligation to publicly update or revise any of the forward-looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.

Competent Person's Statement

Trawalla

The information in this report that relates to Mineral Resources at Trawalla, is based on, and fairly reflects, information compiled by Dr Ian Wilson who is the Overall Competent Person and who is a member of IOM3, a Recognised Professional Organisation. Dr Ian Wilson has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Dr Ian Wilson is a full-time employee of Ian Wilson Consultancy Ltd and also a Non-Executive Director of Suvo Strategic Minerals Limited. Dr Ian Wilson receives board fees in relation to his directorship. Dr Ian Wilson consents to the inclusion of the information in the release in the form and context in which it appears.

Pittong

The information in this report that relates to Mineral Resources is based on, and fairly reflects, information compiled by Dr Ian Wilson who is the Overall Competent Person and who is a member of IOM3, a Recognised Professional Organisation. Dr Wilson has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the "Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). Dr Wilson is a full-time employee of Ian Wilson Consultancy Ltd and also a Non-Executive Director of Suvo. Dr Wilson receives board fees in relation to his directorship. Dr Wilson consents to the inclusion of the information in the release in the form and context in which it appears.

The geological modelling included in the Mineral Resource report was prepared, and fairly reflects information compiled, by Mr Serik Urbisinov and Dr Andrew Scogings, each of whom have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Mr Urbisinov is a full-time employee of CSA Global and is a Member of the Australian Institute of Geoscientists. Dr Scogings is an employee of CSA Global, a Member of the Australian Institute of Geoscientists, and is a Registered Professional Geoscientist (RP Geo. Industrial Minerals). Mr Urbisinov and Dr Scogings consent to the inclusion of information in the Mineral Resource report that is attributable to each of them, and to the inclusion of the information in the release in the form and context in which they appear.

No New Information

Except where explicitly stated, this announcement contains references to prior exploration results and Mineral Resource estimates, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the results and/or estimates in the relevant market announcement continue to apply and have not materially changed.

SUVO

STRATEGIC MINERALS



**NWR Near Term Producers
Conference**
Henk Ludik - Non-Executive Chairman

ASX: SUV
suvo.com.au

PREMIUM INVESTMENT OPPORTUNITY



Dual Commodity Focus: Kaolin & Silica

- Strong traditional markets & emerging 'green' applications



Australia's Only Operational Hydrous Kaolin Plant

- 50 years continuous operation, know how, first mover, deep market knowledge, proven track record



Expanding Plant to Significantly Increase Processing Capacity

- 27ktpa produced in 2021; targeting 60ktpa in 2023



Targeting Near-Term Scarce Resources

- Portfolio aligned to government critical resources
- Critical resources essential to decarbonization



Disciplined & Experienced Team

- Focused on growing market share & margins

STRATEGIC FOCUS

EXPAND PRODUCTION

- Pittong optimisation
- Pittong expansion

EXPAND EARNINGS

- Increase WAV of products
- Cost efficiency

EXPAND MARKET

- Maximise value current & new off-takes
- New 'green' products i.e. metakaolin

GROW SHAREHOLDER VALUE

- Disciplined capital management
- Advance portfolio of assets

EXPANSION OF OPERATIONAL HYDROUS KAOLIN MINE - PITTONG

Pittong is a 100% owned mining operation, located 40km west of Ballarat (Victoria) with an annual hydrous kaolin production of ~27kt pa

OPERATIONAL OVERVIEW



Location map showing proximity to the township of Ballarat

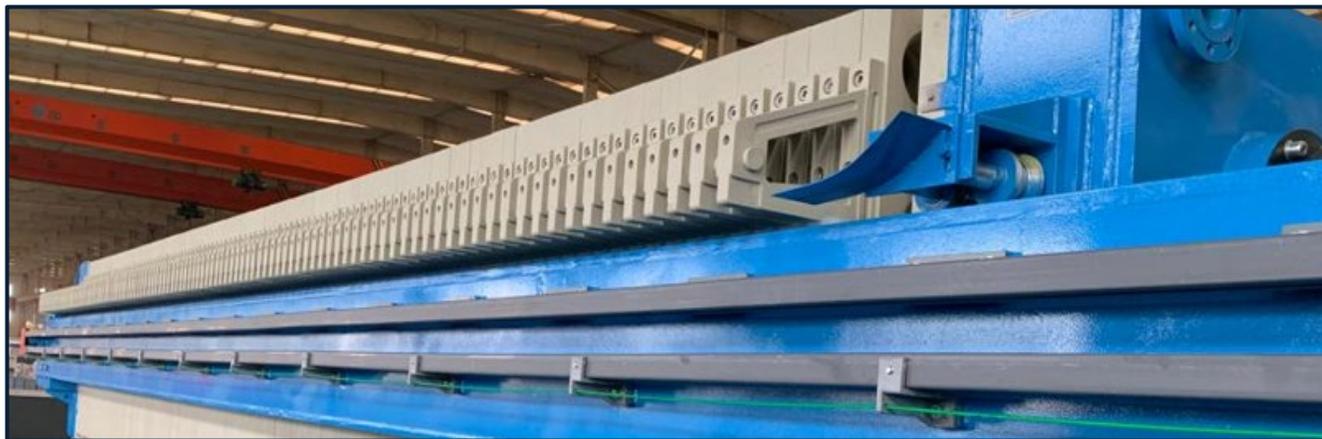
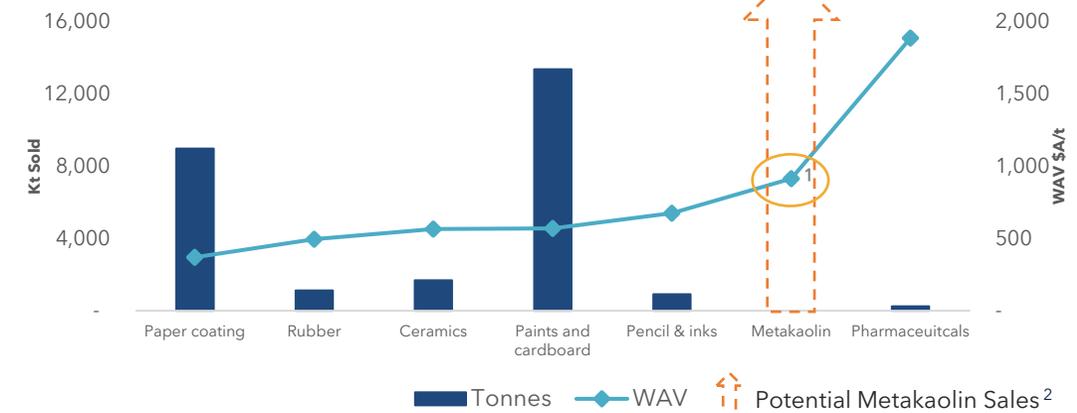


Image of Suvo's new press decks

OPERATIONAL UPDATE

- ✓ 50 year operational mine & plant with 19 branded kaolin products sold locally and globally
- ✓ Pittong Plant upgrade to unlock operating efficiencies, cost benefits, targeting 60ktpa
- ✓ Opportunity to improve sales basket targeting premium products

2021 Sales Basket v.s Weighted Average Value



Note 1: Midpoint of Metakaolin price US\$530/t to US\$840/t

Note 2: Pittong kaolin has previously been used in the production of metakaolin

SUVO's 2021 SALES & CUSTOMERS

Pittong has been supplying hydrous kaolin to customers for 50 years. In 2021 Suvo supplied 19 premium hydrous kaolin products to customers all over the world including the following household brands.

GLOBAL SUPPLY

Est. 2019 global production = ~26.5mtpa (13.2mtpa hydrous kaolin)¹

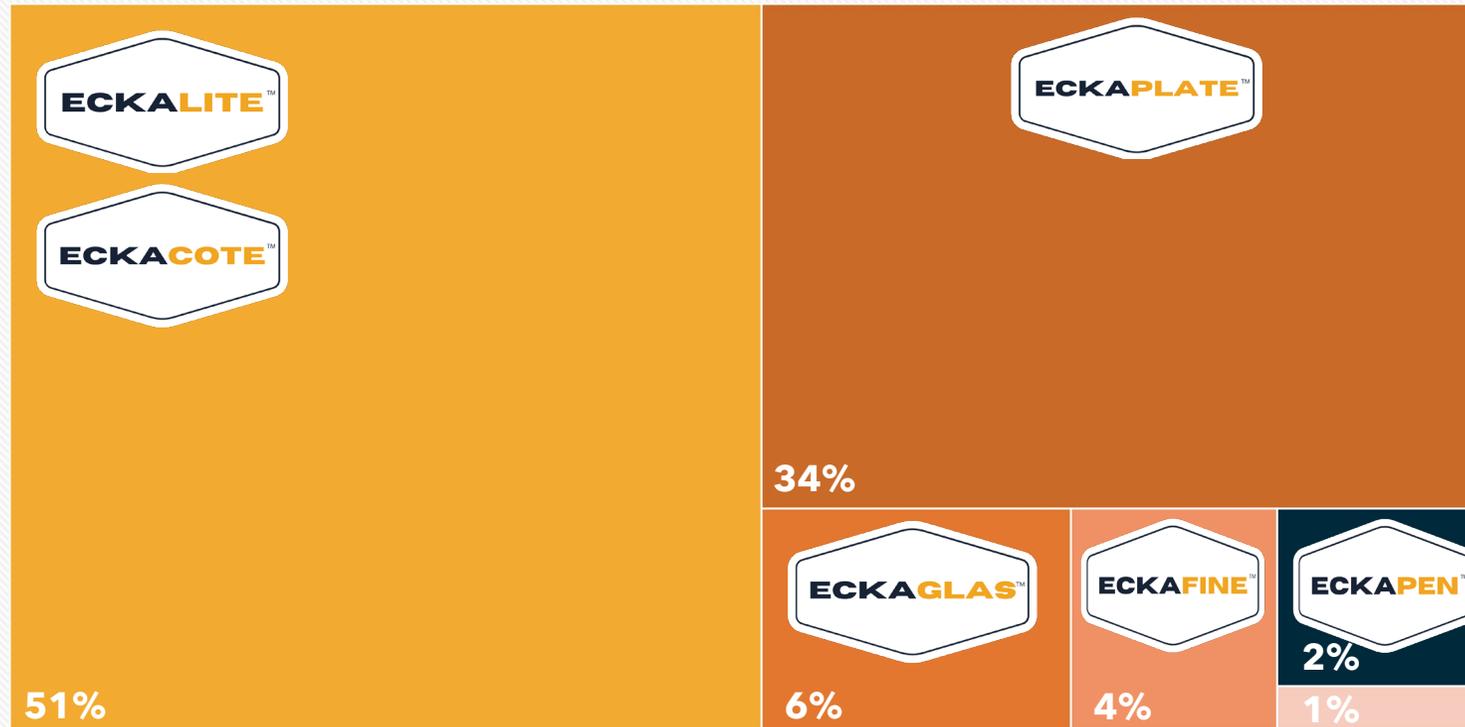
GLOBAL DEMAND

Est. 2019 global demand = ~30mtpa (15mtpa hydrous kaolin)¹



2021 TONNES SOLD BY INDUSTRY - TOTALING 26.2k TONNES

■ Paints and cardboard ■ Paper coating ■ Ceramics ■ Rubber ■ Pencil & inks ■ Pharmaceuticals



Cement production is the world's single biggest industrial cause of carbon pollution, responsible for 8% of global emissions.

Rethinking Cement
Beyond Zero Emissions¹



Cement emissions equal to the global car fleet

METAKAOLIN - GREEN CEMENT SOLUTION

- Metakaolin (calcined kaolin) is a cementitious material used historically as an additive to improve the durability of cement
- Metakaolin when used as a clinker substitute can reduce CO₂ emission of cement by up to ~40%¹
- Australia currently imports high reactivity metakaolin at US\$530/t to US\$840/t². There is no onshore production of metakaolin in Australia
- Pittong has historically produced some metakaolin products. Suvo is revisiting this work and investigating adding a high reactivity metakaolin to its range of kaolin products

Global Green Cement Forecast³

2027 Market Value

US\$56bn

2021-27 CAGR

12.8%

¹ Source: https://bze.org.au/research_release/rethinking-cement/

² Source: First Test Minerals 25 March 2022

³ Source: Green Cement Market 2022-2027, IMARC Group

INDUSTRY-LED APPROACH TO EMISSION REDUCTION

GLOBAL CEMENT PRODUCERS USING METAKAOLIN TO REDUCE THEIR EMISSIONS



- French company, Market capitalisation €1.4bn
- Acquired Brazilian 'green cement' producer using metakaolin in 2019
- 2019 announced plans to replace clinker with metakaolin in several countries
- June 2021 announces new project (Xeuilley) that uses FLSmidth's technology to substitute up to 40% of clinker with high reactivity metakaolin
- See: [Revealing the Numbers Behind Calcined Clay](#)



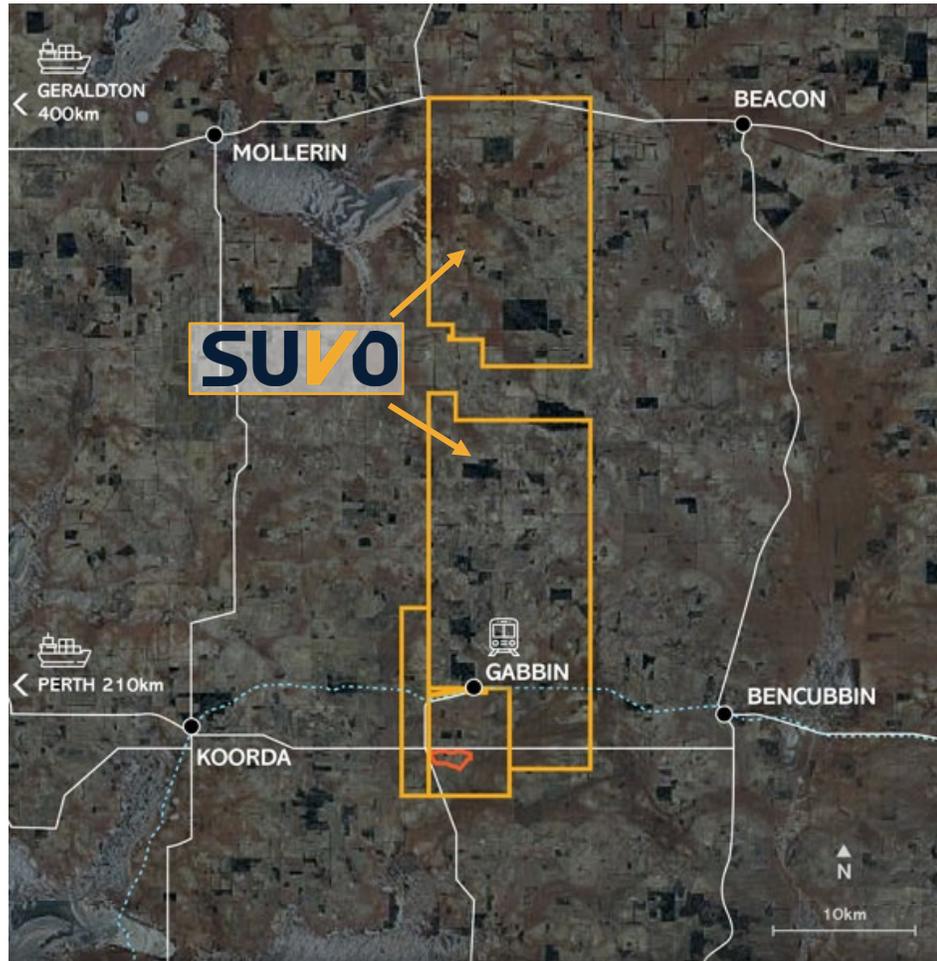
- Large Turkish industrial group
- Built 1st greenfield metakaolin integrated cement plant in Abidjan, Ivory Coast
- Commissioned in August 2020, the plant produces 300ktpa of calcined clays
- See: [CIMPOR Global](#)

AUSTRALIAN CEMENT PRODUCERS EMISSION REDUCTION TARGETS



- Market capitalisation A\$3.8bn
- Cement production in NSW & VIC
- Net zero carbon no later than 2050
- 2030 Target: 46% reduction in scope 1 & 2 emissions
- 2030 Target: 22% reduction in scope 3 emissions from cementitious materials
- Reducing cementitious intensity is expected to contribute 30% of Boral's emission reductions
- See: [Boral Net Zero](#)

GABBIN HYDROUS KAOLIN, WA



- Suvo Tenements
- - - Rail
- Road
- ▭ Suvo resource area licence under access agreement
- Port
- Rail Head
- Township

Gabbin is a kaolin project, located 210km from Perth with a 74.5mt Inferred JORC Resource, 26.9mt Indicated¹

Targeted End User Markets

Product	Test work	Suitability	Offtake
Ceramics	✓	✓	MOU
Paper coatings	✓	✓	In progress
Paint	✓	✓	In progress
Cosmetics	✓	✓	In progress
Metakaolin	✓	In progress	-



Flash calcined Gabbin hydroous kaolin tested by FLSmidth at various temperatures for suitability for Metakaolin

¹ As announced on 27 May 2021. The Company confirms that it is not aware of any new information or data that materially affects the information included in the announcement and that all material assumptions and technical parameters underpinning the estimates and production targets in the relevant market announcement continue to apply and have not materially changed.

SILICA - NOW ON THE CRITICAL MINERALS LIST

Silicon added to the Australian Government's Critical Minerals List in March 2022, with a range of funding to support critical minerals



SILICA

Global Market US\$14.1 billion, CAGR 6%

CSIRO lists silica alongside base metals as critical to global energy transition

LARGE JORC RESOURCE

Eneabba Project, WA

100% Owned, Scoping Commenced

- 216mt Inferred JORC Resource¹
- High-grade silica, bordering Iluka Tenements
- On rail and gas pipeline, 150kms from Geraldton Port

HIGH PURITY POTENTIAL

Muchea Project, WA

Binding contract for 100% ownership

- Highly prospective high purity quartz sand project
- On rail, 85kms to Kwinana Bulk Terminal
- 50kms from Perth, adjacent to VRX silica
- Drilling expected to commence H2 2022, subject to approvals and access

HIGH GRADE SILICA

SPECIALITY GLASS

FOUNDRY APPLICATIONS

THERMAL ENERGY STORAGE

HIGH PURITY QUARTZ SAND

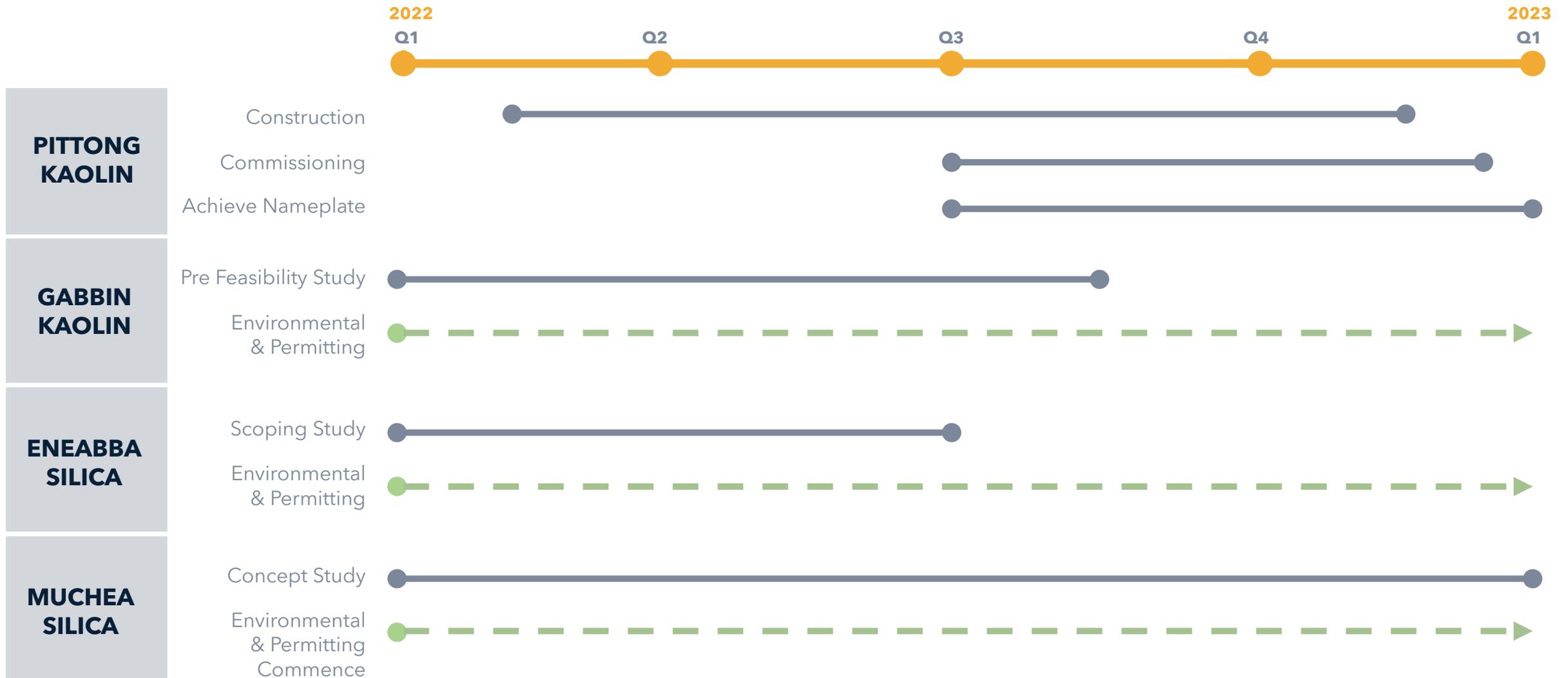
SOLAR PANELS

SEMI CONDUCTORS

SILICON METALS

TIMELINE¹

The following timeline provides an overview of Suvo's short term focus, which will support the company's near-term growth strategy



¹ The timeline is indicative only and is subject to change

CORPORATE SNAPSHOT

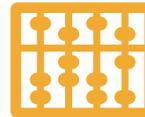
KEY INFORMATION

ASX TICKER	SUV
SECTOR	Industrial Minerals
SHARE PRICE	\$0.083 (30-day VWAP)
MARKET CAP	A\$48M
SHARES ON ISSUE	580,124,540 ¹
OPTIONS ON ISSUE	119,533,573
PERFORMANCE RIGHTS	47,400,000

CORPORATE THEMATICS



Target critical scarce resources, continue to develop pipeline of near term projects



Targeting first quartile position on the cost curve



Focused on creating value for its stakeholders via market-leading ESG strategy



Focused on products essential to decarbonising the global economy

¹ Includes Escrowed Shares - 93,619,677

PEER COMPARISON

KEY INFORMATION

MARKET CAP

COMMODITY

NUMBER OF PROJECTS IN PORTFOLIO

COMMERCIAL SCALE OPERATING MINE

YEARS OF OPERATING EXPERIENCE

ESTABLISHED CUSTOMERS

POSITIVE CASHFLOWS FROM OPERATIONS

HYDROUS KAOLIN PROCESSING METHOD

MULTI-DECADE RESOURCE

				
	A\$48M	A\$63M	A\$92M	A\$565M
	Kaolin & Silica	Kaolin	Silica	Kaolin/Gold/Copper
	4	1	3	6
				
	50	-	-	-
				
				
			N/A	
				

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- a) are necessarily based upon a number of estimated assumptions that, while considered reasonable by the Company, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies;
- b) involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward looking statements; and
- c) may include, among other things, statements regarding estimates and assumptions in respect of prices, costs, results and capital expenditure, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions.

The Company disclaims any intent or obligation to publicly update any forward looking statements, whether as a result of new information, future events or results or otherwise.

The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule", and similar expressions identify forward looking statements.

All forward looking statements contained in the Presentation Materials are qualified by the foregoing cautionary statements. Recipients are cautioned that forward looking statements are not guarantees of future performance and accordingly recipients are cautioned not to put undue reliance on forward looking statements due to the inherent uncertainty therein.

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COMPETENT PERSON

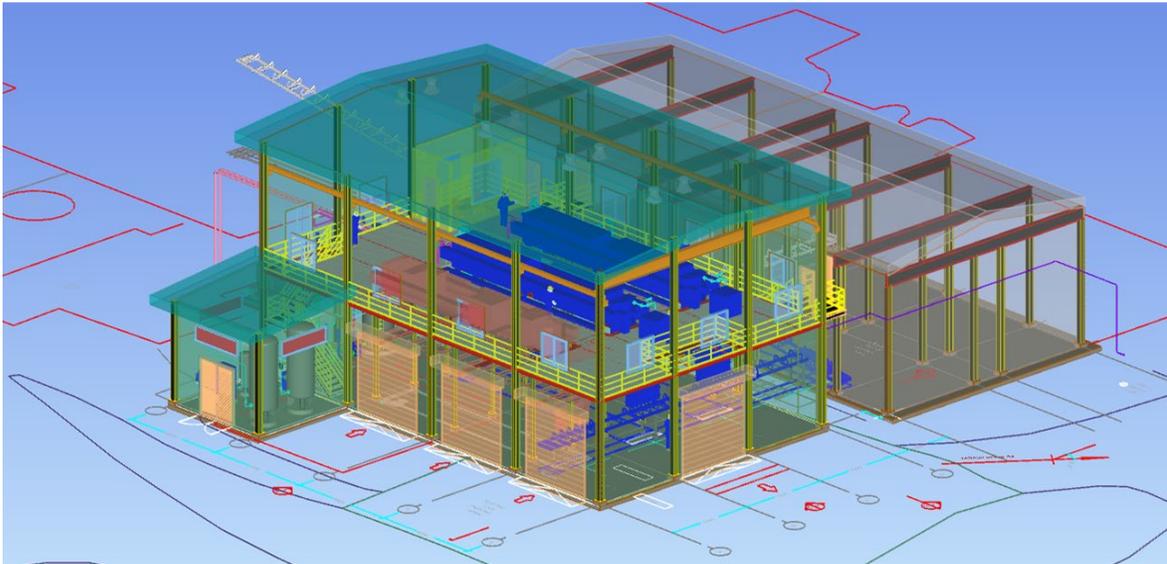
The Presentation Materials contain references to the Company's previous announcements, including announcements dated 27 May 2021, 22 September 2021, 12 October 2021 and 1 March 2022. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements and that all material assumptions and technical parameters underpinning the estimates and production targets in the relevant market announcement continue to apply and have not materially changed.

ANNEXURE - PITTONG PLANT UPGRADE

Board has approved an upgrade project at Pittong that is anticipated to result in substantial production and efficiency improvements

PROJECT ECONOMICS

- Forecast processing capacity: ~60ktpa
- CAPEX: A\$5m Capital program includes:
 - Three new state of the art press decks
 - Upgrade to existing infrastructure
- Project status:
 - Long lead items have landed in Victoria
 - Construction commenced



New Press Deck Plant

OPERATIONAL BENEFITS (POST UPGRADE)

- Capacity upgrade aligned to market demand
- Substantial cost benefits to be unlocked by the upgrade in production volumes, based on the historic **Fixed : Variable** cost ratio of c. **45% : 55%**
- Existing press decks were installed in c.1972.
- It is expected that new state of the art equipment will:
 - Provide increased operational efficiencies due to the advances made in press deck technologies over the past 50 years
 - Automation of the press decks will improve process-related efficiencies
 - Provide operating cost efficiencies (i.e. improved energy efficiency, reduced maintenance requirements)

ANNEXURE - GABBIN HYDROUS KAOLIN, WA



Drilling Gabbin for Indicated Resource

- **Project:** Gabbin (White Cloud Kaolin Project)
- **Ownership:** 100% owned
- **Project Study Phase:** Scoping study completed
- **Resource:** JORC Indicated Resources of 26.9mt of bright white kaolinised granite <50% of the resource¹
- **Est. Annual Production:** c. 200,000tpa
- **Product:** High grade, low impurity hydrous kaolin suited to premium markets - metakaolin, paper coatings, paints, cosmetics and ceramics
- **Mining Method:** Open pit
- **Processing:** Hydrous (plus flash calcination for metakaolin)
- **Access:** On rail, 210km direct to Fremantle port
- **Power:** Grid power
- **Water:** Serviced by the Kalgoorlie pipeline
- **Next Steps:** Targeting pre-feasibility completion H2 2022
 - Mining lease application in process
 - Environmental approvals nearing completion

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ANNEXURE - JORC MINERAL RESOURCE ESTIMATE

PROJECT

PITTONG - KAOLIN

TRAWALLA - KAOLIN

GABBIN - KAOLIN

ENEABBA - SILICA

LINK TO ASX ANNOUNCEMENT

<https://www.asx.com.au/asxpdf/20220301/pdf/456l3cl0d8xcrq.pdf>

<https://www.asx.com.au/asxpdf/20210922/pdf/450r19ctx21mgb.pdf>

<https://www.asx.com.au/asxpdf/20210325/pdf/44tz913s09pldz.pdf>

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