Andromeda

Brisbane Minerals and Metals Conference

James Marsh
Managing Director & CEO
23 March 2022

ASX:ADN
andromet.com.au

An emerging industrial minerals producer
with numerous potential value chains

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Mineral Resources and Ore Reserves Estimates

As an Australian company with securities listed on the Australian Securities Exchange (ASX), Andromeda is subject to Australian disclosure requirements and standards, including the requirements of the Corporations Act and the ASX. Investors should note that it is a requirement of the ASX listing rules that the reporting of ore reserves and mineral resources in Australia comply with the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the **JORC Code**) and that the Ore Reserve and Mineral Resource estimates underpinning the production targets in this presentation have been prepared by a Competent Person in accordance with the JORC Code.

Information that relates to Mineral Resources estimates has been previously announced to ASX on 23 December 2019, "Significant increase in Mineral Resource for the Poochera Kaolin Project", 29 September 2020, "New mineral resource estimate for Hammerhead Halloysite-Kaolin Deposit" and 11 August 2020, "New Mineral Resource for the Mount Hope Kaolin project", all available at https://www2.asx.com.au/markets/company/adn. Andromeda confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. Andromeda confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

Competent Person's Statements

Information in this announcement has been compiled by Mr. James Marsh a member of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr. Marsh is an employee of Andromeda Metals Limited who holds shares and options in the company and has sufficient experience, which is relevant to the style of mineralisation, type of deposits and their ore recovery under consideration and to the activity being undertaken to qualify as Competent Persons under the 2012 Edition of the 'Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). This includes Mr. Marsh attaining over 30 years of experience in kaolin processing and applications. Mr. Marsh consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

Company story

Andromeda

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World-class asset in Tier One mining jurisdiction – South Australia

Experienced exploration, development & marketing team

Combined kaolin resources over **100Mt** and growing

Definitive Feasibility Study base case due for imminent release

Great White Kaolin Project planned for 2022 operational start

Progressing toward generating revenue in early 2023

Three Business Pillars

Significant upside potential

Great White Project - high quality halloysite-kaolin and 26+ year Mine life

Multiple product opportunities

Huge Blue-Sky nanotechnology potential

Gold, Copper and Rare Earth Element assets

Corporate overview

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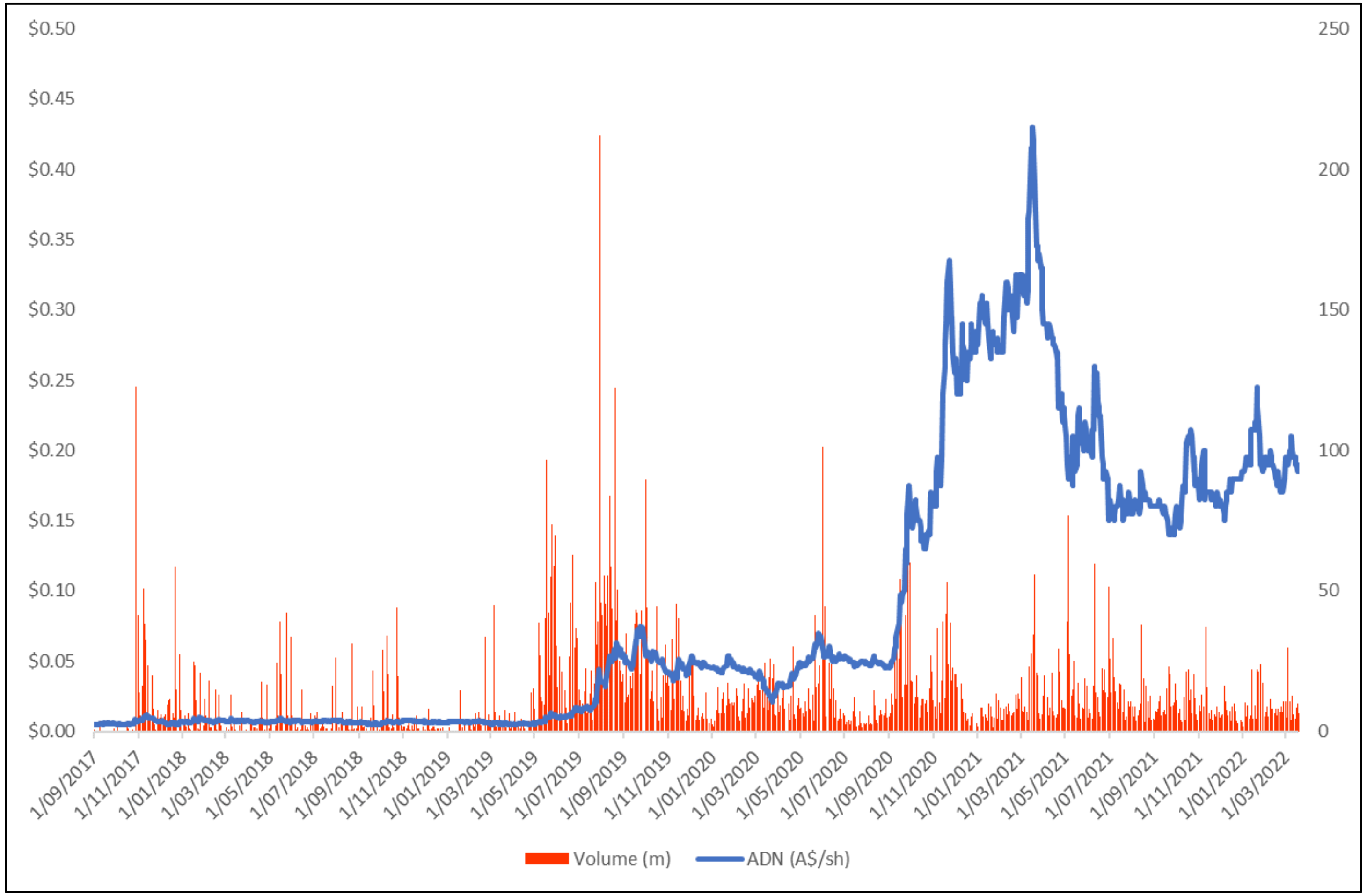
Capital Structure

Market Cap	$611M
Shares on issue	3,055,402,798
Cash (as at Dec 2021)	$42.8M
Debt	Zero

Share Price Performance and Volume History



Andromeda Corporate strategy

Our purpose Through the use of our industrial minerals and nanotechnologies we strive to enrich the lives of people by improving the environment, creating prosperity for our shareholders and delivering value for our stakeholders.

Our vision

Lead the world in the sustainable supply of superior quality industrial minerals and advancement of nanotechnologies.

GROW

INDUSTRIAL MINERALS

METALS

HARVEST

GROW

NANOTECHNOLOGIES

Our mission

To mine and process industrial minerals for supply, together with advancing nanotechnologies, to our global customer base by leveraging our unique natural resources and intellectual property.

Our values

Innovation **Teamwork** **Integrity** **Quality**

The safety and wellbeing of our employees and our communities is our first priority.

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Our Leaders

Melissa Holzberger
Acting Chair
Non-Executive Director
Chair, Audit & Risk Committee

James Marsh
Managing Director

Joe Ranford
Operations Director

Andrew Shearer
Non-Executive Director
Chair, Technical Advisory Committee
Chair, Remuneration Committee

Tim Anderson
Chief Commercial Officer

Michael Zannes
Chief Financial Officer

Andrew Betti
Company Secretary

Ready to deliver in 2022

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Andromeda Primed for the Next Stage

A bright future built on the bright white halloysite-kaolin industrial minerals business

A clear strategy for growth through innovation and technology

The acquisition of our JV partner Minotaur was a necessary distraction
COVID has caused delays

- Establishment of tremendous new business with tangible value
- Delivery of DFS and BFS
- More offtakes for a range of products
- Development and construction phase
- Building relationships with customers
- Starting and growing cashflow
- Diversifying products and markets
- Innovating

Acquisition of Minotaur Complete

Key Benefits for Andromeda

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Successful combination creating a leading Australian industrial minerals and technology company

- **Accretive Transaction –** Increased Andromeda shareholders' effective equity interest in Great White and Natural Nanotech
- **Benefits of Great White and Natural Nanotech Ownership Consolidation –**
  - Simplifies ownership structure and streamlines management, providing Andromeda with full development optionality
  - Enhances project finance and development alternatives, optimising the funding and development of Great White
  - Increases Andromeda's scale, market relevance and trading liquidity
- **Financial Strength –** All scrip acquisition preserved a strong balance sheet (~$43 million in cash at 31 December 2021), giving a solid platform to progress Great White along with other high value initiatives including concrete, HPA, cosmetics and nanotechnologies

Provides an enhanced investment proposition for existing and new shareholders

Andromeda's core assets

Kaolin and Halloysite-Kaolin

Great White 100%
Mount Hope 100%
Eyre Kaolin JV

All in South Australia

>100Mt of JORC Resources[1,2,3,4]

Legacy Project Assets
- Alford Copper JV - SA
- Eyre Peninsula Gold/REE JV - SA
- Drummond Gold Project - QLD

Natural Nanotech 100%

1. *ASX 23 December 2019, "Significant increase in Mineral Resource for the Poochera Kaolin Project".*
2. *ASX 29 September 2020, "New mineral resource estimate for Hammerhead Halloysite-Kaolin Deposit".*
3. *ASX 11 August 2020, "New Mineral Resource for the Mount Hope Kaolin project"*
4. *"The Company is not aware of any new information or data that materially affects the information in the relevant market announcements. All material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed."*

Great White Kaolin Project

Primary project focus – Halloysite-Kaolin

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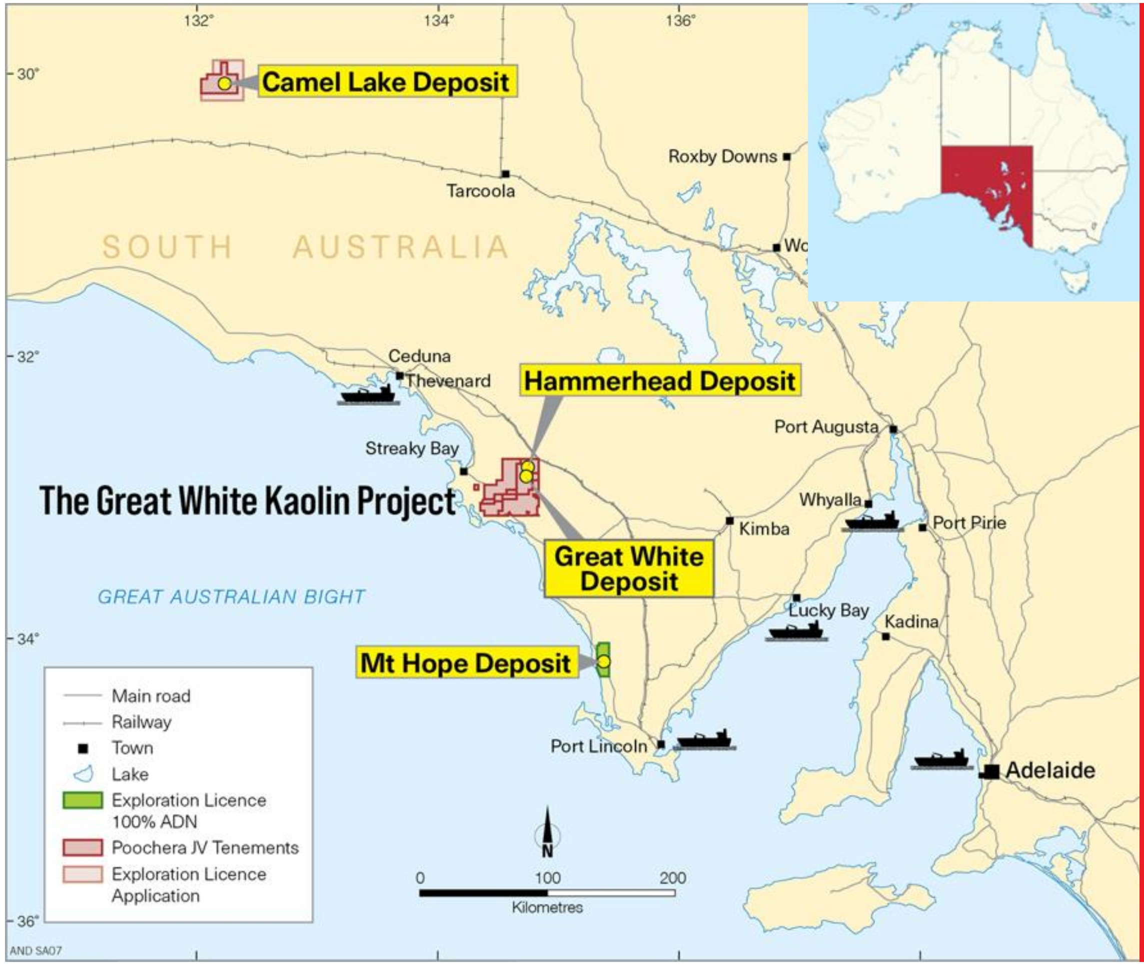

Primary Project Focus – Halloysite-Kaolin

- 100% owned world-class asset in Tier One mining jurisdiction
- Targeting first production in 2022
- Legally Binding Offtakes underpinning the business
- Current demand exceeding initial planned production
- Located close to essential infrastructure
- New high-value concrete industry opportunity
- Advanced High Purity Alumina (HPA) project
- Multiple Nanotechnology opportunities

Tiger Resource added at Great White

Rare Earth Elements at Bronze Whaler

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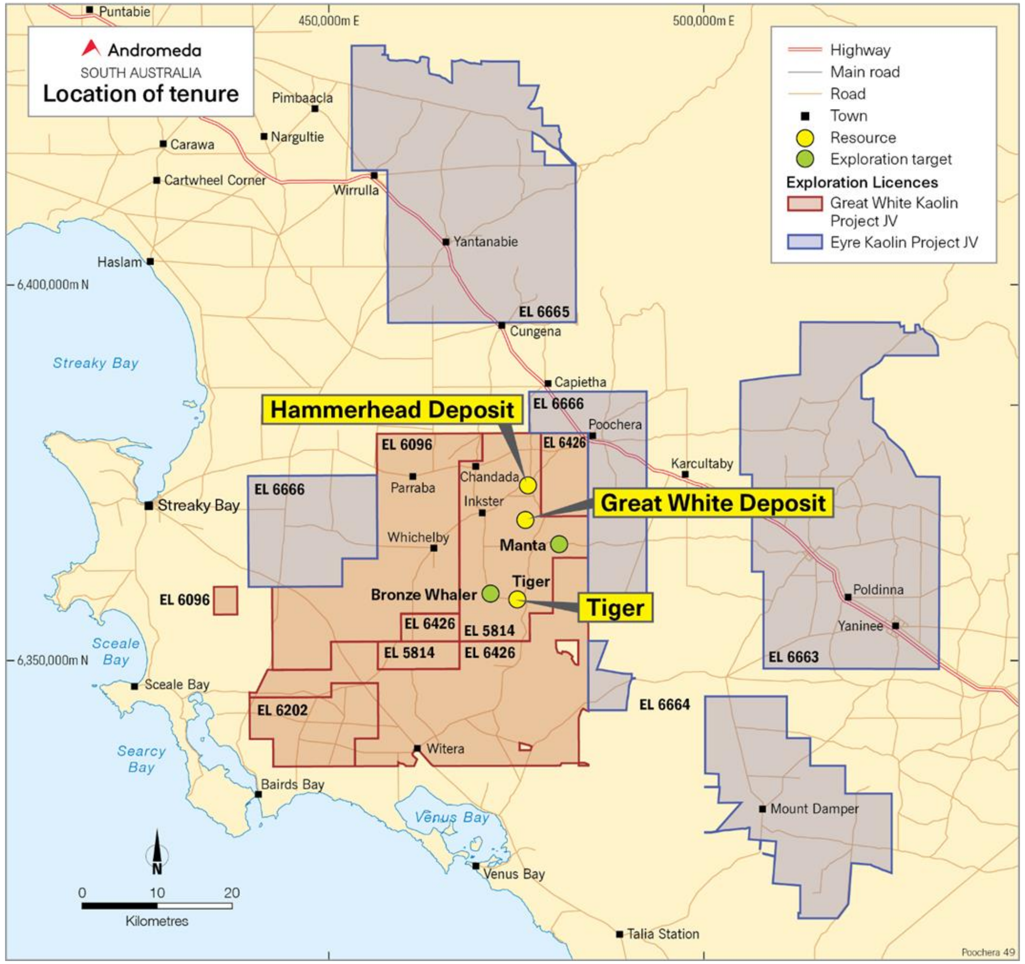

Tiger Kaolin Mineral Resource*

Classification	Mt	PSD <45µm	Kaolinite + Halloysite %
Inferred	12.1	59.9	56.7

Tiger Kaolin Mineral Resource <45µm

Classification	Mt	ISO B	Kaolinite + Halloysite %	Al_2O_3 %	Fe_2O_3 %	TiO_2 %
Inferred	7.2	83.1	94.7	37.2	0.81	0.61

Bronze Whaler, summary REO drill intercepts (<45µm)

Hole	From (m)	To (m)	Length (m)	<45µm (%)	TREO[1] <45µm (ppm)	CREO[2] <45µm (ppm)	%NdPr[3]
TW19AC001	10	28	18	51.5	1752	438	19.1
TW19AC003	7	23	16	50.8	1819	332	19.8
TW19AC005	17	34	17	56.4	1026	221	12.6
TW19AC005	39	44	5	48.6	1475	419	18.3

1. TREO = Total Rare Earth Element Oxides
2. CREO = Critical Rare Earth Element Oxides = Nd_2O_3 + Eu_2O_3 + Tb_4O_7 + Dy_2O_3 + Y_2O_3
3. %NdPr = Sum of Nd_2O_3 and Pr_6O_{11} as a proportion of TREO

* Refer ASX announcement dated 23 March 2022 “Maiden Tiger Kaolin Resource & Rare Earth Element Potential

Definitive Feasibility Study Product Considerations

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Binding offtake agreements for two World-Class products underwrite the DFS base case

1. **Ceramic Product (Great White CRM™)**
   - Binding Offtake signed for 5,000t/pa with Japanese customer @ A$700/t
2. **Coatings Product (Great White PRM™)**
   - Binding Offtake signed for 70,000t/pa with Chinese customer
   - Price fixed for three years and higher than A$700/t
   - Also intended for the cosmetic and catalyst sectors

Additional Product Options under Evaluation

- Direct Shipping Ore
- Concentrate (de-sanded product)
- Upgrading the existing $1M pilot plant to be able to produce commercial amounts of pure halloysite, concrete additive product and other high-value grades

New concrete/construction materials application

Halloysite rheology modifier (HRM™) in construction products

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Potential Benefits

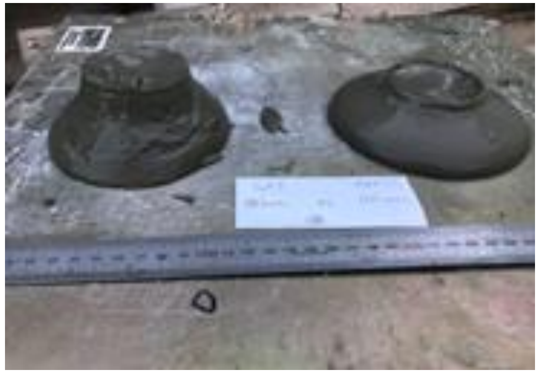
- Carbon footprint reductions
- Cost reductions
- Performance improvements
- Handling improvements
- Safety improvements

Progress

- Resource is defined
- Technical approvals received
- Commercial agreement being negotiated

Next Steps

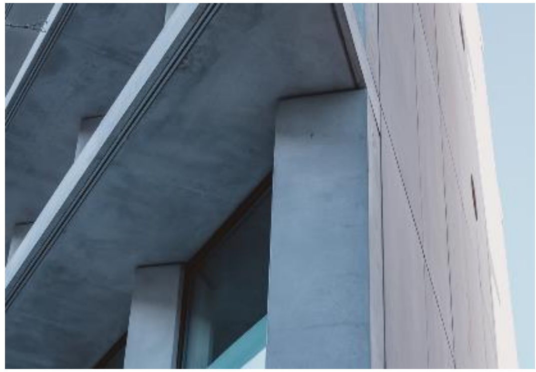
- More bulk sample testing
- Commercial agreements
- Additional applications



Commercial testing and bulk sampling in progress

Only **1kg in 3 tonnes** of concrete required

Australian Concrete Industry Standard Passed



Huge potential high-value market with true global reach

Halloysite & Nanotechnology

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- **Most researched clay mineral in the world**
- **Use only constrained by supply shortage**
- **Natural Nanotech is spending >$1M/pa on R&D leading to commercialisation**

- Great White run-of-mine halloysite-kaolin works well
- Bulk samples being processed targeting high halloysite purity
- Market price for this refined mineral is approx. A$5000/t
- Will be used in the carbon capture plant and to progress the other nanotechnology opportunities

Carbon Dioxide Capture/Storage & Conversion to Fuels

Patent Filed & Pilot Plant in transit

Batteries & Super-Capacitors

Patent Filed

Water Purification

Patent Filed

Removal of microplastics from the ocean

Advanced Stage

Natural Nanotech (NNT) R&D in Progress

Agriculture $2.4M Gov Funding

Medical Delivery of Drugs

Hydrogen Storage and Transport

Remediation of Contaminated Soils

Pilot Plant to Demonstrate Carbon Capture & Conversion Commerciality

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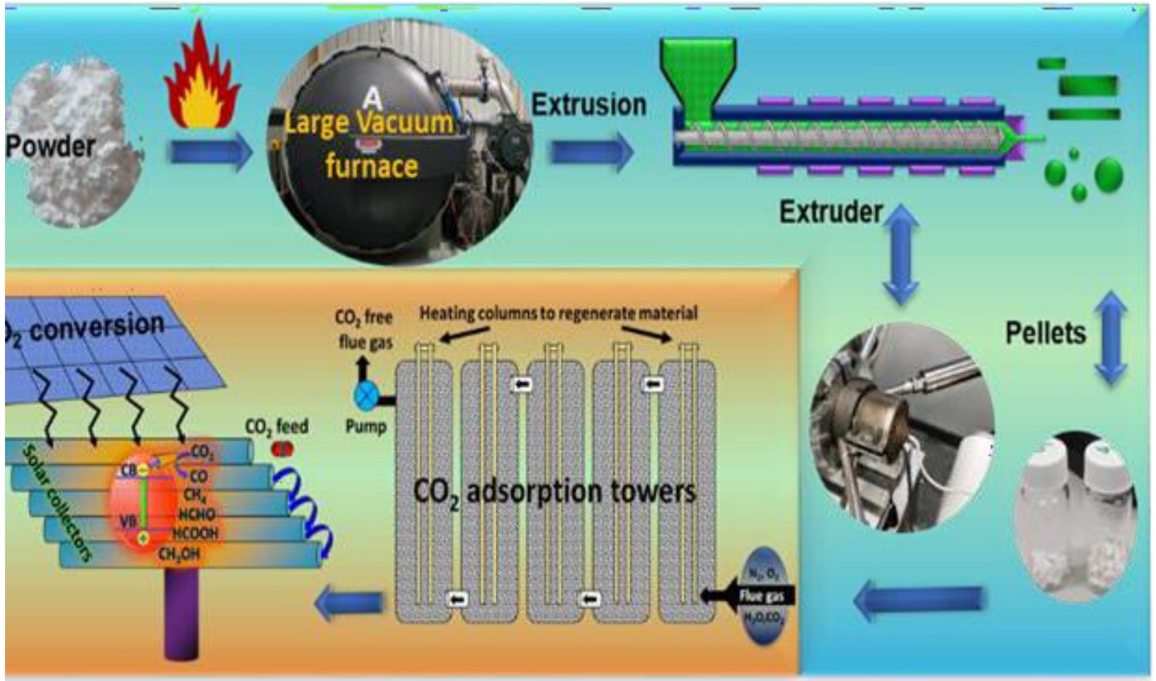
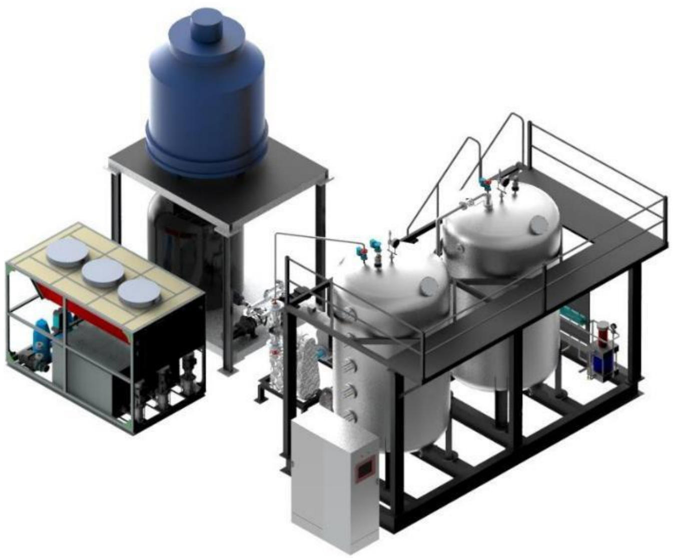
Bulk production facility has been established at the Newcastle Institute for Energy and Resources



Demonstration plant will prove the scalable capture of CO_2 and conversion into clean fuel, effectively closing the circle of emissions

Large-scale CO_2 capture demonstration plant in transit to Newcastle, NSW



Our Aim: Demonstrate Direct Air Capture or Flue Gas Capture achievable at or below A$20/t CO_2

High purity alumina project

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- High Purity Alumina (HPA) is recognised as a critical battery mineral
- Global HPA market was valued at $1.3 billion in 2019 and is expected to be $4.8 billion by 2026
- Compound annual growth rate of 20.7%
- Current prices up to US$50,000/t for top purity
- HPA also used extensively in LED lights and Sapphire Glass (smartphones, screens etc.)

- Andromeda has proven premium quality kaolin feed for HPA production
- Very high end 4N purity repeatedly achieved with only one stage of purification
- MoU signed with Advanced Energy Minerals for exclusivity to their technology in Australia and New Zealand
- AEM has the only globally operating commercial facility capable of producing HPA from kaolin
- AEM is currently designing a UK plant with support from the UK government
- Andromeda has engaged a world class international team of metallurgists to develop process optimisations
- Progressing towards potentially valuable IP

Pathway to Production in 2022 and Beyond

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Targeting First Commercial Products to Market by late 2022

- Release Definitive Feasibility Study
- Complete Bankable Feasibility Study
- Secure debt funding
- Environmental sign-off for Mining Approval
- Operational start
- Construct and commission processing plant
- High Purity Halloysite – resource and/or purification
- Additional Kaolin/Halloysite Resources
- Nanotechnology commercialisations
- High Purity Alumina – feasibility studies

Thank you

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JORC Resource Reference Tables 1

	Measured Resource				Indicated Resource				Inferred Resource				Total Resources			
	Tonnes	PSD	Kaolinite	Halloysite	Tonnes	PSD	Kaolinite	Halloysite	Tonnes	PSD	Kaolinite	Halloysite	Tonnes	PSD	Kaolinite	Halloysite
	(Mt)	<45µm	(%)	(%)	(Mt)	<45µm	(%)	(%)	(Mt)	<45µm	(%)	(%)	(Mt)	<45µm	(%)	(%)
Great White[1,2,3]	5.7	50.2	39.5	6.9	14.2	51.1	42.0	5.0	14.7	49.3	40.3	4.9	34.6	50.2	40.9	5.3
Hammerhead[1,3,4]									51.5	52.6	42.7	6.5	51.5	52.6	42.7	6.5
Mount Hope[1,3,5]									18	41.5	33.8	1.4	18	41.5	33.8	1.4
Total[1]	**5.7**	**50.2**	**39.5**	**6.9**	**14.2**	**51.1**	**42.0**	**5.0**	**84.2**	**49.7**	**40.4**	**5.1**	**104.1**	**49.9**	**40.6**	**5.2**

1 Figures are rounded to reflect appropriate levels of confidence. Apparent differences may occur due to rounding.
2 ASX 26 November 2020, Updated mineral resource for the Great White Kaolin JV Deposit
3 ISO brightness (R457) cut-off of at 75 in the <45µm size fraction
4 ASX 29 September 2020, New mineral resource estimate for Hammerhead Halloysite-Kaolin Deposit
5 ASX 11 August 2020, New mineral resource for the Mount Hope Kaolin Project

Competent Person's Statements

Great White and Mt Hope Projects Resources

Information in that relates to the Great White Project and Mt Hope Project has been reviewed by Mr. James Marsh a member of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr. Marsh is an employee of Andromeda Metals Limited who holds shares, options and performance rights in the company and is entitled to participate in Andromeda's employee incentive plan (details of which are included in Andromeda's Annual Remuneration Report) and has sufficient experience, which is relevant to the style of mineralisation, type of deposits and their ore recovery under consideration and to the activity being undertaking to qualify as Competent Person under the 2012 Edition of the 'Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). This includes Mr. Marsh attaining over 30 years of experience in kaolin processing and applications. Mr. Marsh consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

The data that relates to Mineral Resource Estimates for the Great White Kaolin Project (Great White and Hammerhead Deposits) and Mount Hope Kaolin Project are based on information evaluated by Mr Eric Whittaker who is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM). Mr Whittaker is the Chief Geologist of Andromeda Metals Limited and 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 a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the "JORC Code"). Mr Whittaker has 30 years of experience in the mining industry. Mr Whittaker consents to the information in the form and context in which it appears. Mr Whittaker holds Performance Rights in the Company and is entitled to participate in Andromeda's employee incentive plan.