PLATINA
RESOURCES LIMITED

August 2018

Investor Presentation

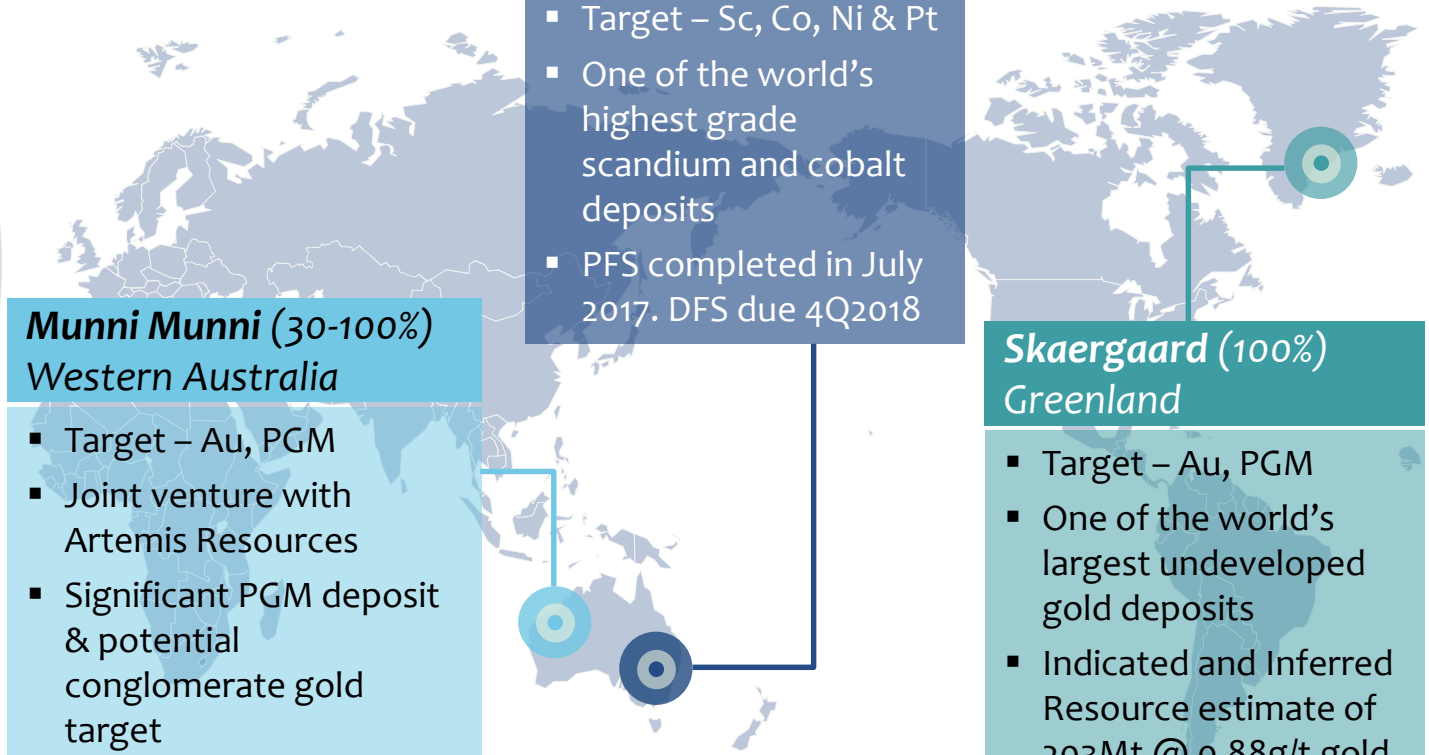
Advancing one of the world's highest-grade scandium projects towards development

Platina at a glance

Platina is listed on the Australian Securities Exchange (ASX:**PGM**) and holds a high-quality portfolio of cobalt, scandium, gold and platinum group metals (PGM) projects

Primary objective is the development of the high-grade **Owendale scandium project**

Studying options to advance the Skaergaard project and realise value



***Owendale** (100%)*
New South Wales

- Target – Sc, Co, Ni & Pt
- One of the world's highest grade scandium and cobalt deposits
- PFS completed in July 2017. DFS due 4Q2018

***Munni Munni** (30-100%)*
Western Australia

- Target – Au, PGM
- Joint venture with Artemis Resources
- Significant PGM deposit & potential conglomerate gold target

***Skaergaard** (100%)*
Greenland

- Target – Au, PGM
- One of the world's largest undeveloped gold deposits
- Indicated and Inferred Resource estimate of 203Mt @ 0.88g/t gold and 1.33 g/t palladium

Capital Structure

Share Structure	
ASX Code	**PGM**
Shares[(1)]	**264.1 million**
52 week low/high	**7.7¢ - 26.5¢**
Top 20 shareholders	**53%**

Note:

1 *Excludes 6m unlisted call options exercisable at AUD 0.20 before 28 April 2019, 11 m unlisted call options exercisable at AUD 0.20 before 31 December 2019 & 2m performance rights*

Major Shareholders (August 2018)	
Cairnglen Investments	15.1%
Electrum Global Holdings	7.9%
Shopfitting Headquarters Pty Ltd	6.0%
Yandal Investments (Mark Creasy)	2.7%

Capitalisation	
Price	**9.5¢**
Market cap	**AUD$25 million**
Cash (30 Sept 2018)	**AUD$4.1 million**
Debt (30 Sept 2018)	**Nil**
Enterprise value	**AUD$21 million**

Source: ASX

Board

Mr. Brian Moller
LL.B (Hons)
Non-Executive Chairman

Partner with law firm HopgoodGanim for 25 years and practices almost exclusively in the corporate area.

Non-Executive Director of ASX-listed DGR Global Ltd and Navaho Gold Ltd as well as SolGold plc, which is listed on the London Stock Exchange (AIM).

Corey Nolan
B.Com, MMEE, GAICD
Managing Director

24 years experience in exploration, development, operations and corporate finance

Started and managed a number of resource companies with projects in a range of commodities and countries.

Chris Hartley
Bsc; PhD,GAICD
Non-Executive Director

Dr. Hartley worked with Bloom Energy as Technical Director Strategic Materials for five years

Prior to that, held roles with BHP Billiton and its predecessor Billiton International as well as working as an independent consultant.

John Anderson
LL.B,B.Com,GDCL,GAICD
Non-Executive Director

More than 20 years' experience in the gas industry with 12 of those in senior executive roles at Santos Limited

Experienced executive in the Australian and Asian energy markets with direct international experience in the Asian region.

Paul Jurman
B.Com, CPA
Company Secretary

Paul Jurman is involved with a diverse range of Australian public listed companies in company secretarial and financial roles.

Currently company secretary of Platina Resources, Carnavale Resources, Kangaroo Resources and Nemex Resources.

Management – Significant Laterite Expertise

John Horton
BSc (hons) DipCompSc PGCert Geostats MAIG FAusIMM CP
Principal Geologist

John is a Consulting Geologist with 30 years experience. 20 years of which on assessments and feasibility studies for nickel laterite projects from around the globe. This includes 10 years experience in scandium laterites and the first public scandium resource statement.

Boyd Willis
BAppSc(AppChem), FAusIMM, CP
Project Manager

Boyd is a Consulting Metallurgist with 37 years experience in process engineering. 22 years of globally recognized experience in hydrometallurgical processing of laterite ores, including 10 years of scandium recovery. Extensive experience across all facets of project definition and development.

Roland Wells
ARMIT Mining, Civil
Project Director

Over 30 years project management experience in international resources projects. Feasibility to completion responsibilities. Small scale start up projects for three emerging producers and major developments for large mining houses.

Gideon Steyl
PhD, MIEAust CPEng RPEQ Env, MRACI CChem
Principal Water

Gideon is a Consulting Hydrogeologist and Geochemist with 18 years of experience. It includes mine water, environmental and waste management projects. 12 years of experience on projects related to feasibility and environmental impact studies. Technical expertise in several disciplines.

Platina Investment Highlights

Owendale is **an advanced, de-risked project.** Feasibility Study due for completion 4Q2018

Executing a plan at Owendale to get into production and **generate cash flow – low capital hurdle** & **competitive operating costs**

Projects with **multiple high-value** commodities with strong demand fundamentals

Executing a strategy to **realise value** from the Skaergaard and Munni Munni projects

Low market capitalisation and **attractive valuation** relative to peer group and Owendale NPV

Highly experienced board and management team with a track record of success in exploration and project development

Owendale Scandium Opportunity

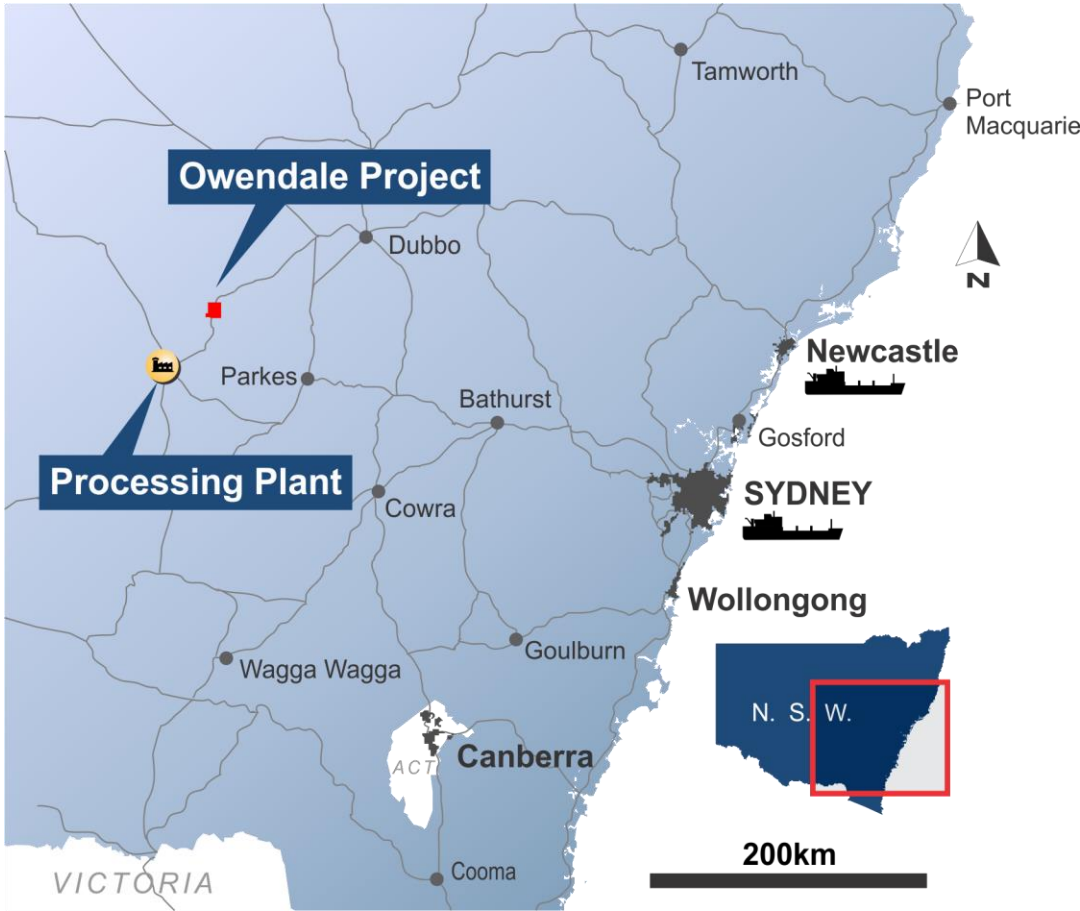
- **Scandium's** primary use today is in solid fuel cells (Bloom Energy)
- **Demand growth** – driven by the next generation of **lightweight Sc-Al alloys**
- Sc-Al alloys provide **superior strength, corrosion resistance and weldability**
- Market growth – **constrained by limited western world supply options**
- **USA largest consumer –** supply risks emerging with **China trade war**
- **Owendale well positioned to supply all markets –** marketing strategy in progress

“Aluminum alloys present the largest of these potential scandium applications. If only a tiny fraction (0.1 %) of the annual aluminum market absorbed scandium in alloy at a 0.5% level, it would represent **350 tonnes** in annual global scandium demand. Many observers believe global demand could reach this level in a relatively short time.”

Source - https://investingnews.com/daily/resource-investing/critical-metals-investing/scandium-investing/scandium-production-the-problem-and-the-opportunity/

Owendale: Located in a Major Mining Province

- **Premier mining address** - 350 km west of Sydney, New South Wales
- **Established** mining district with **highly skilled workforce**
- **Major gold and copper mining operations in the district** including, Cadia and North Parkes
- **Significant tech metals district** – Sc, Co, Ni, HPA
- Close to **rail, road, water and grid power infrastructure**
- **DFS nearing completion**. Permitting and approvals process **advanced**



Owendale: Staged Development Strategy

Following completion of the July 2017 Pre-Feasibility Study, a staged development strategy was adopted to match market demand

July 2017 - Pre-Feasibility Study

42t/yr Scandium Oxide Production

Pre-tax NPV (10% real)	US$**180**m
Pre-tax IRR	**27**%
Capex	US$**94**m
Av. annual EBITDA	US$**35**m
Mine Life	21 years

Modular Development Approach

20t/yr Scandium Oxide Production

Capex Estimate

US$**38.5**m

Definitive Feasibility Study due for completion 4Q2018

☑ **Lower Capital Cost**

☑ **Lower Risk**

☑ **First Mover Advantage**

Owendale: Multi, High-Value Product Options

Phase II Expansion to

42t / year Sc_2O_3

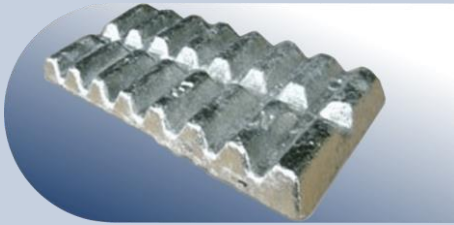
Cobalt JORC Resource (0.08% Co cut-off)

	Mt	Sc ppm	Co %	Pt g/t	Ni %
Measured	4.0	380	0.14	0.49	0.29
Indicated	6.2	350	0.12	0.26	0.20
Inferred	6.7	245	0.11	0.21	0.21
Total	**16.9**	**315**	**0.12**	**0.29**	**0.22**

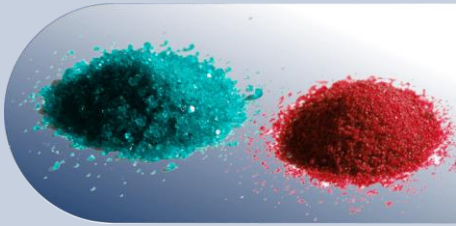
Scandium Oxide

Other Potential Products

Sc-Al Master Alloys



Nickel and Cobalt



High Purity Alumina

Owendale: JORC Ore Reserves & Resources

- Laterite hosted orebody **rich in scandium and cobalt**
- One of the **highest-grade scandium** deposits in the world
- **48, 000 metres** of drilling to define the Mineral Resource
- Mineralisation remains **open in all directions**

JORC Ore Reserve (400 ppm Sc cut-off)

	Dry Mt	Sc ppm	Co %	Ni %	Sc_2O_3 t*	Co t	Ni t
Proven	2.22	560	0.09	0.13	1,896	2,027	2,905
Probable	1.76	540	0.08	0.13	1,463	1,483	2,252
Total	**3.99**	**550**	**0.09**	**0.13**	**3,359**	**3,510**	**5,157**

JORC Mineral Resource (300 ppm Sc cut-off)

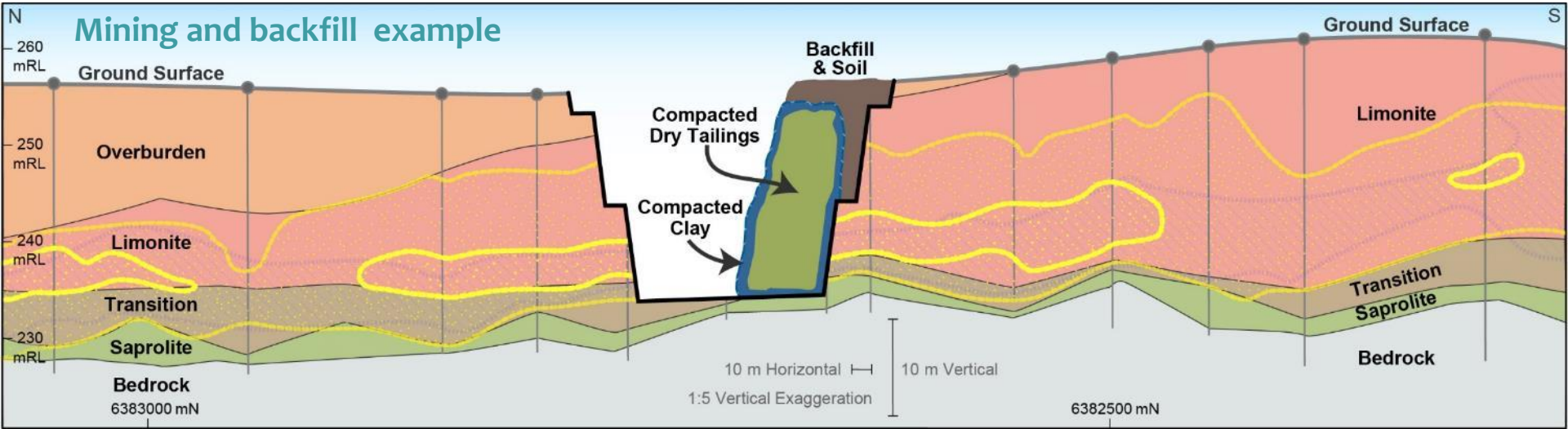
	Mt	Sc ppm	Co %	Pt g/t	Ni %
Measured	7.8	435	0.07	0.42	0.13
Indicated	12.5	410	0.06	0.26	0.11
Inferred	15.3	380	0.05	0.22	0.08
Total	**35.6**	**405**	**0.06**	**0.28**	**0.10**

** Ore Reserve case of 50ktpa varies from the current development proposal which stages development from 25 to 90 ktpa*

Source: Platina ASX announcement, 13 September 2017, "Maiden Scandium and Cobalt Reserve at Owendale Project"

Owendale: Low-cost mining methodology

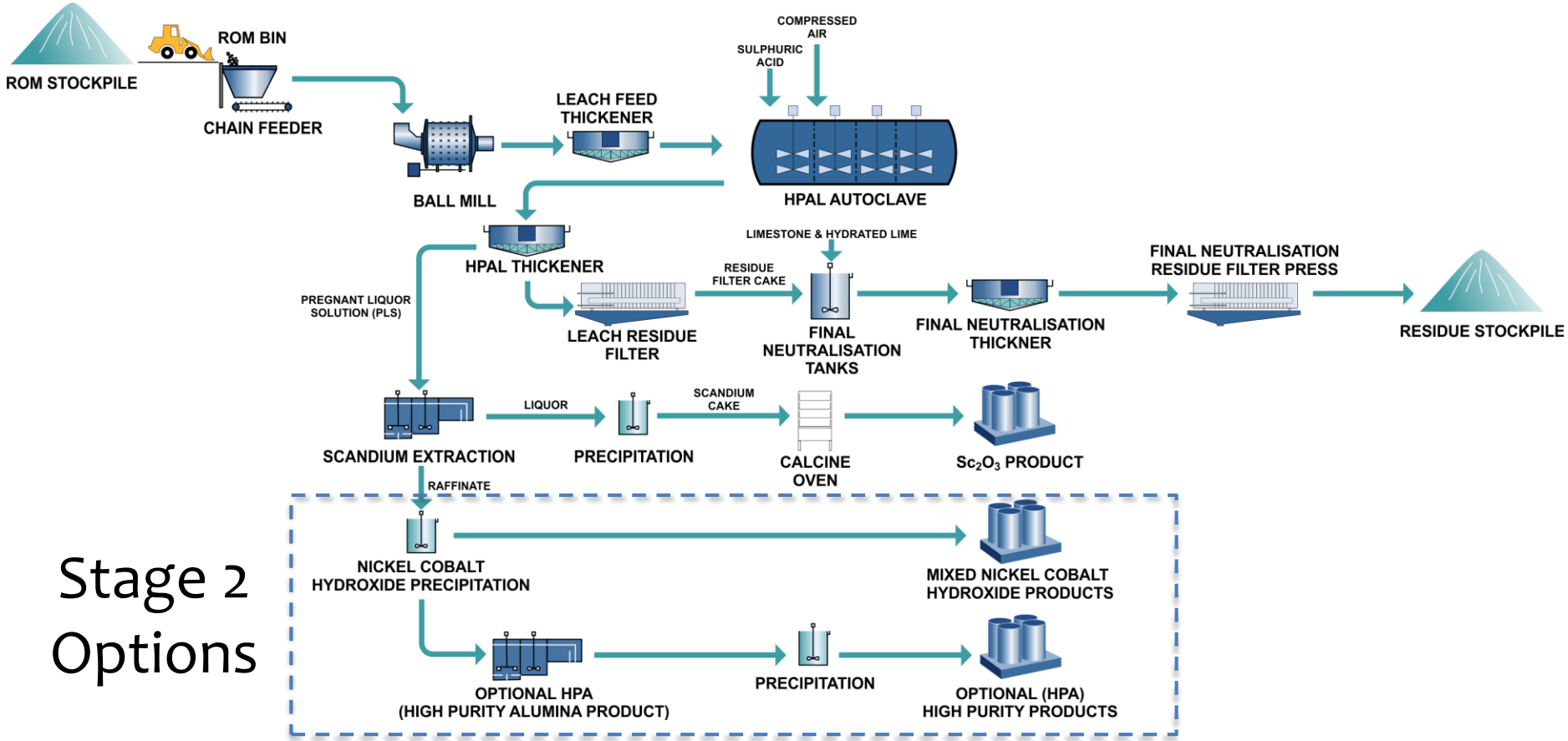
- **Large ore zone widths** between 5 and 15 metres - **maximum depth of mining ~25 metres**
- **Laterally extensive** ore zones - mining flexibility and different ore types (e.g. cobalt)
- **Low stripping ratio** + mining in strips will reduce waste movement
- Laterite profile deeply weathered (no drilling or blasting) = **very low mining costs**
- **Low environmental footprint** - neutralised waste product stream returned to mine



Owendale: Processing Methodology

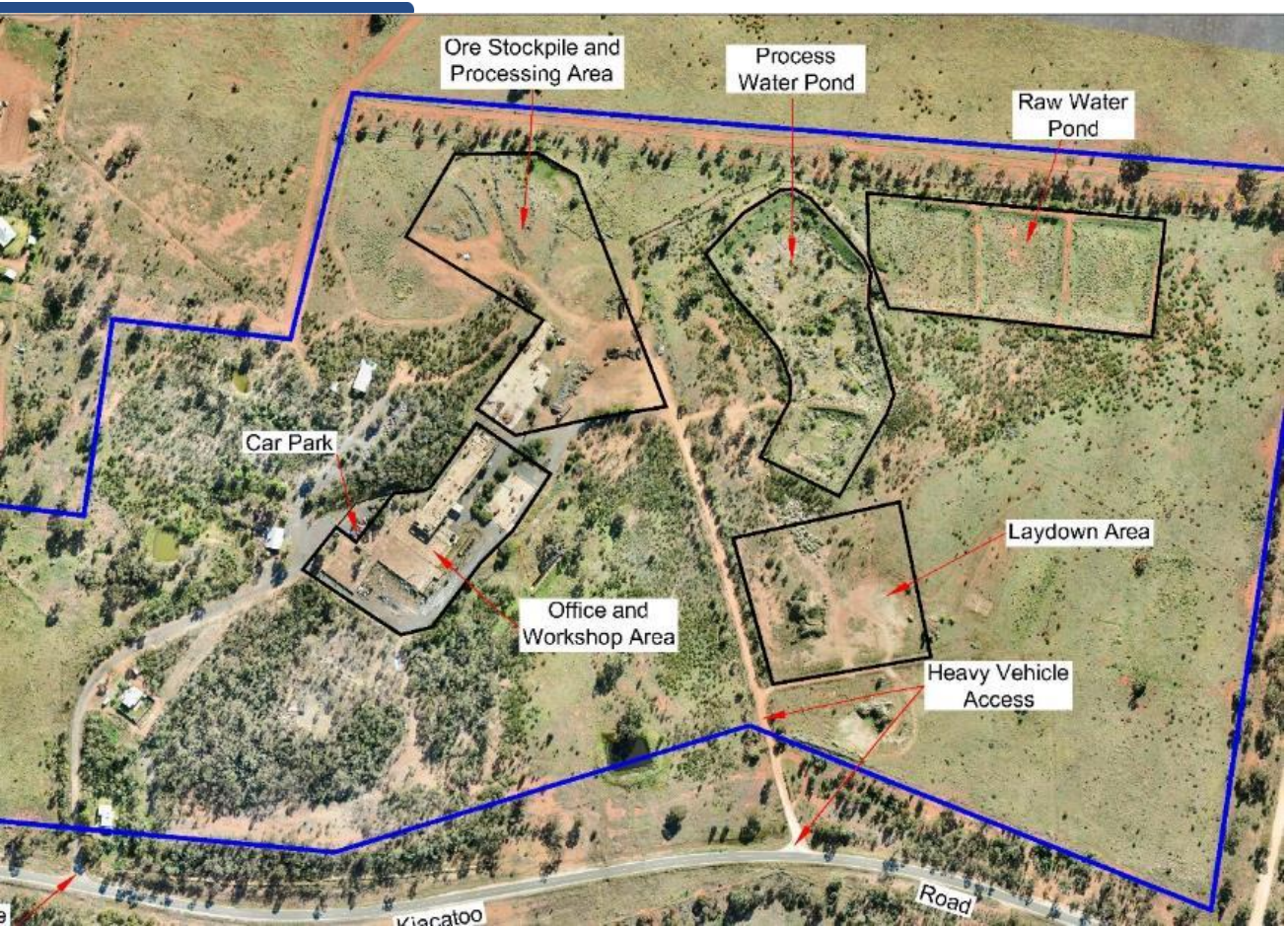
- Owendale is a laterite ore deposit – **2/3rds of world nickel production comes from laterites**
- **Conventional** High-Pressure Acid Leach (HPAL) **process route**
- **Very low** in acid consuming elements
- **6t bulk** sample pilot tested – **99.99% Sc2O3 produced**

Owendale: Proven, Well-Tested Flow Sheet



Stage 2 Options

Owendale: Processing Site Established



- **Established industrial site** chosen for processing facilities
- **Ore to be trucked** 70 km from Red Heart mine to Condobolin processing site
- Access to **power, water, roads, buildings and labour**
- **Simple permitting** – no Mining Lease required
- **Waste, neutralised** and returned to the mine

Owendale: Definitive Feasibility Study Status

Ausenco

ATC Williams

measured

SGS

rwcorkery&co
geological and environmental consultants

DFS

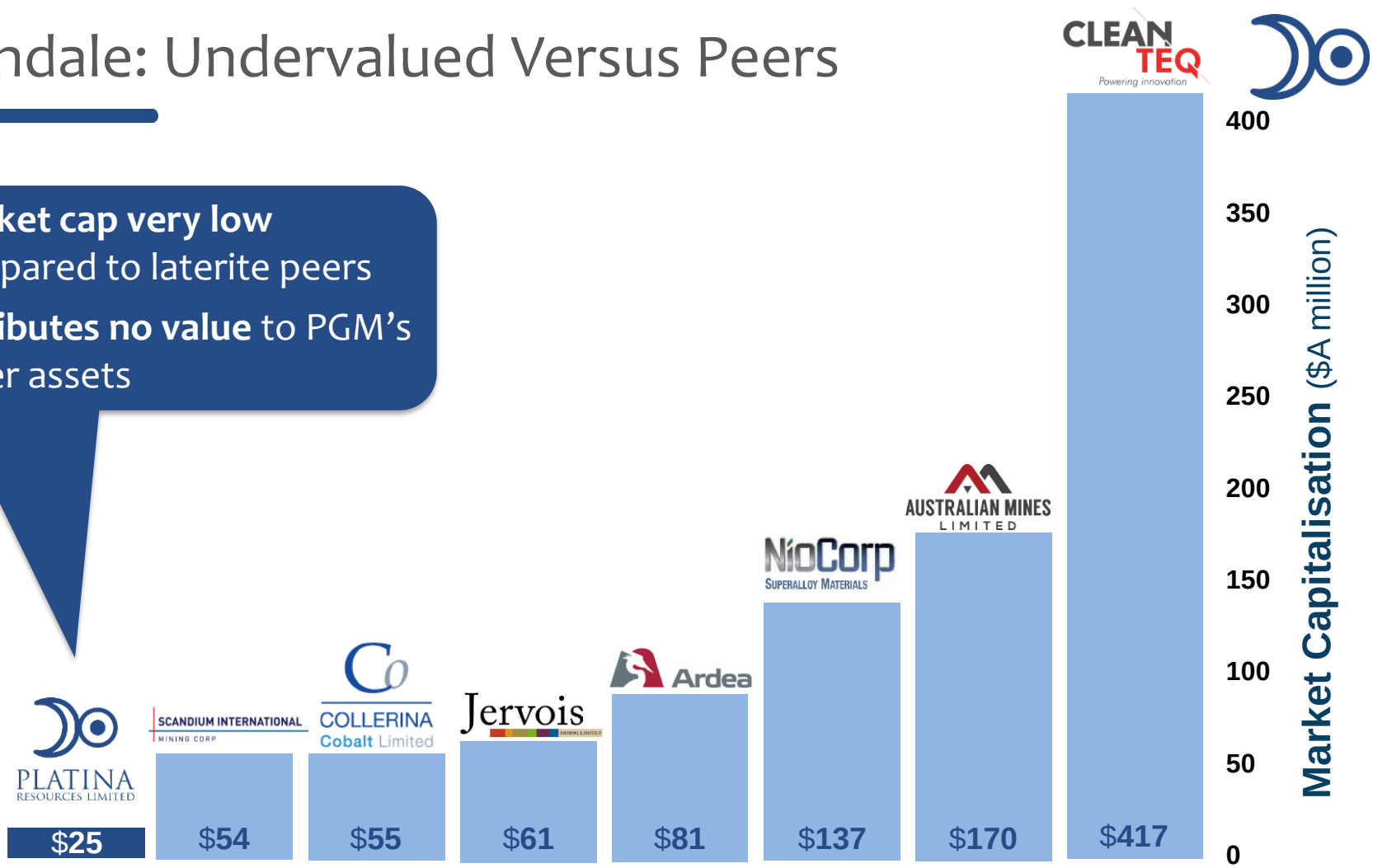
~74% complete

and scheduled for
completion in 4Q 2018

ELEMENT 21 PTY LTD

Owendale: Undervalued Versus Peers

- **Market cap very low** compared to laterite peers
- **Attributes no value** to PGM's other assets



Munni Munni Joint Venture

– PGM 30% & Artemis Resources 70%

Large Au/PGM deposit with conglomerate gold potential

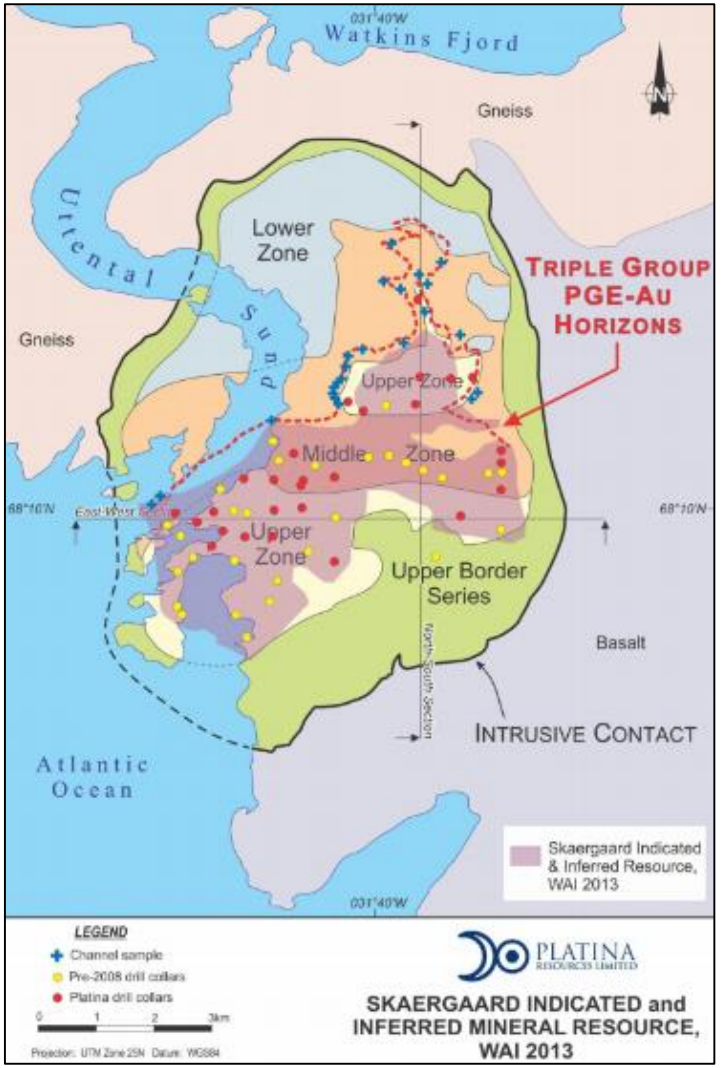
- Located in the midst of the Pilbara Fortescue sediments gold rush
- 20km from Purdy's Reward gold discovery
- 2,218m of previously drilled Fortescue sediments identified in diamond core
- Previous JORC (2004) Resource with significant platinum, palladium and gold
- 20 km south of Artemis Radio Hill processing plant
- **Costean and drilling results pending**

Photos: Recent costean samples and core from historical drilling

SKAERGAARD

One of the world's largest undeveloped gold and palladium resources

- Located on the east coast of Greenland
- Mineralisation outcrops at surface and extends to at least 1.1 km vertical depth
- 35,000m of diamond drilling & A$16m spent
- Additional infill drilling is likely to increase the quantity of contained metal
- JORC Resource of 203Mt @ 0.88g/t gold and 1.33g/t palladium:
  - 0.69Moz platinum
  - 8.67Moz palladium
  - 5.69Moz gold
- **Pursuing options to monetise the project**



M&A Strategy

Create a portfolio of carefully-chosen projects at various stages - thereby balancing the risk - based on the following criteria:

Focus on investment returns – seeking high IRR and bottom cost-quartile projects not reliant on commodity price performance

Prospective commodities – commodities in demand with strong price outlooks and the ability to secure long-term supply contracts to underwrite debt

Attractive investment climates - pro-mining jurisdictions, stable politically

Project targeting objectives – identify undervalued turnaround opportunities:

- Advanced exploration projects with drilling, resources and studies
- Corporate investment opportunities – unrecognised or undervalued assets

Utilise expertise - leverage in-house expertise and experience in identifying, acquiring, exploring, financing, developing and operating resource projects

Share Price Catalysts

Completion of the **Owendale Feasibility Study** – 4Q2018

Advancing the Skaergaard and Munni Munni projects

Lodgment of the **Environmental Assessment & Mining License** – 4Q2018

Active stock promotion and global investor marketing campaign

Owendale **offtake agreements and financing**

Potential M&A

Appendix

Scandium 101

Scandium is a niche industrial metal that can alloy to produce super light, strong materials which can greatly improve fuel efficiency & strength

What is scandium?

- Scandium is a soft, silvery white metal
- **Often found as a trace element** in deposits of rare earths, titanium, uranium, iron and nickel
- Primary deposits of **scandium are incredibly rare**
- **Generally found in low concentrations** and thus has historically only been mined as a by-product
- **Current scandium production concentrated** in China and Philippines

What is scandium used for ?

- Demand **expected to rapidly increase given the superior strength and thermal characteristics** of using scandium in materials manufacturing
- **Scandium is used in a number of existing, high-end applications**, including:
  - Aluminium alloys, used to manufacture lightweight aircraft, automobiles and sporting equipment
  - Superior heat stabiliser used in solid oxide fuel cells (SOFCs)
  - High power metal halide lamps & lasers
  - Additive layer manufacturing (3D printing)

How is scandium priced?

- There is **no exchange traded market for scandium**
- Prices are **historically set by long term offtake contracts**
- According to the USGS, historical scandium oxide prices have ranged **from USD$2,000-$4,000/kg**
- Platina has used a forward price of **USD$1,500/kg for the Owendale PFS.**
- Based on feedback from potential customers and internal Company analysis, Platina believes this **price is required to drive significant demand** for scandium aluminium alloys for many of the high-value markets it is targeting.

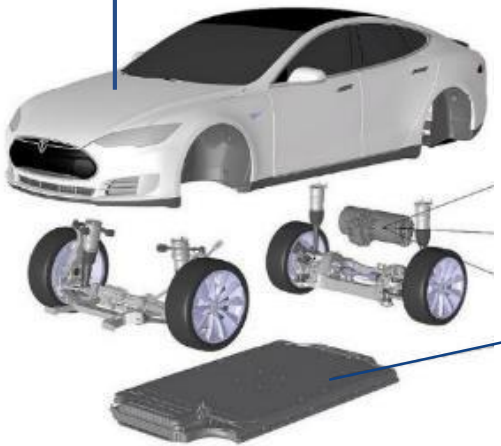
The Electric vehicle opportunity for Platina

Owendale is highly prospective for a number of metals that are set to underpin a global evolution in clean energy generation & materials manufacturing

Vehicle chassis and body panels

Scandium:

- Aluminium alloys widely used in chassis manufacturing
- **Scandium allows for lighter vehicle bodies** to compensate for battery weight
- Lighter vehicles → **increased vehicle range**
- BMW and Mercedes Benz have already shown interest in utilising scandium alloys in their vehicles



Lithium-ion battery pack

Cobalt:

- Cobalt is an **integral metal used in the cathode of lithium-ion batteries**
- Cobalt composition of cathode: ca. 10% - 60%

Nickel:

- Nickel is also an **integral metal in the cathode of lithium-ion batteries**
- Battery chemistry **demand transitioning to ternary batteries built with nickel and cobalt** rich cathodes (nickel-cobalt-magnesium and nickel-cobalt-aluminium)

Case study: Airbus Group's Light Rider

- EV opportunities not limited to standard passenger vehicles
- The Light Rider utilises scandium alloys to reduce weight and improve efficiency
- Light personnel transportation, such as bikes & scooters also represent a significant opportunity
- The Light Rider is the world's first 3D printed electric bike
- Aluminium-scandium frame, with a 6 kWh battery
- ca. 30% lighter than traditionally manufactured bikes of similar specifications

Source: Goldman Sachs, AFR, Avicenne, CRU, company disclosure

The clean technology revolution

Global sustainable energy revolution & efficient industrial processing is accelerating demand for a new selection of raw materials including scandium &cobalt

- Increasing awareness of the dangers posed by **climate change, global population growth, economic development in emerging global regions and rapid urbanisation** present significant challenges for global governments
- Decisive action is being taken to cater for these issues through **significant investment and policy support for structural changes in energy generation and industrial processing**

Energy efficiency in industrial processing

- Global economic development, particularly in emerging regions, is resulting in a **significant increase in energy demand**
- Industrial users are responsible for c. 40% of energy related CO_2 emissions
- Thus, **global governments have begun mandating industrial energy efficiency targets**, which will rely on significant advancements in efficient materials manufacturing

Structural changes in energy generation

- **Air pollution** considered the world's largest environmental health risk, **underpinning the supportive policy for renewable energy and electric vehicles**
- **Energy storage playing a vital role in allowing renewable energy** to be competitive with conventional sources
- Major global automakers have already made **significant investment in the conventionalisation of electric vehicles**

Significant opportunity for scandium alloys and cobalt cathodes

Source: Bloomberg

The opportunity for scandium alloys

The addition of Sc_2O_3 in the manufacturing of various materials significantly improves its performance, driving significant cost savings for the manufacturer

- The introduction of scandium greatly improves traditional aluminium alloys:
  - Refines grain structure (**increases strength**)
  - Reduces amount of material required (**and importantly reduces weight**)
  - Reduces corrosion (**allows marine applications**)
  - Increased weldability (**lowers manufacturing costs**)
- Global market for **primary aluminium production is c. 60Mtpa**
  - **Significant opportunity for scandium alloys** as part of aluminium recycling processes
  - Expected growth in the airline industry will further underpin demand growth
- Aluminium alloys already well used by leading car manufacturers including Ford, Mercedes Benz and BMW

Disclaimer

Cautionary and Forward-Looking Statements

This presentation contains "forward-looking information" which may include, but is not limited to, statements with respect to the future financial or operating performance of Platina Resources Limited ("Platina"), its subsidiaries and its projects, the future price of platinum group metals ("PGM's"), the estimation of mineral resources, operating and exploration expenditures, costs and timing of development of new deposits, costs and timing of future exploration, requirements for additional capital, government regulation, environmental risks, reclamation expenses, title disputes or claims and limitations of insurance coverage. Often, but not always, forward-looking statements can be identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", or "believes" or variations (including negative variations) of such words and phrases, or state that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Platina and/or its subsidiaries to be materially different from any future results, performance or achievements expressed or implied by the forward looking statements. Such factors include, among others, general business, economic, competitive, political and social uncertainties; the actual results of current exploration activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; future prices of PGM's; possible variations of ore grade or recovery rates; failure of plant, equipment or processes to operate as anticipated; accident, labor disputes and other risks of the mining industry; and delays in obtaining governmental approvals or financing or in the completion of development or construction activities. Although Platina has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors that could cause actions, events or results to differ from those anticipated, estimated or intended. Forward-looking statements contained herein are made as of the date of this presentation and Platina disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements.

Platina undertakes no obligation to update forward-looking statements if circumstances or management's estimates or opinions should change. Accordingly, the reader is cautioned not to place undue reliance on forward-looking statements

COMPETENT PERSON STATEMENT

The information in this presentation is based on, and fairly represents information and supporting documentation prepared by Mr. John Horton, a Competent Person who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr. Horton has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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". Mr. Horton consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

The information in this presentation that relates to the Mineral Resources and Ore Reserves were last reported by the Company in compliance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves in market releases dated as follows:

- *Owendale Measured, Indicated and Inferred Mineral Resource – 16 August 2018*
- *Modular development approach reduces Owendale upfront capital expenditure by 59% - 18 December 2017*
- *Owendale Maiden Scandium and Cobalt Reserve – 13 September 2017*
- *Platina delivers positive pre-feasibility study (PFS announcement) for the Owendale Scandium and Cobalt Project – 10 July 2017*
- *Skaergaard Indicated and Inferred Mineral Resource – 23 July 2013*

The Company confirms that it is not aware of any new information or data that materially affects the information included in the market announcements referred above and further confirms that all material assumptions underpinning the production targets and all material assumptions and technical parameters underpinning the ore reserve and mineral resource estimates contained in those market releases continue to apply and have not materially changed.

Statements regarding Platina Resources' plans with respect to its mineral properties are forward-looking statements. There can be no assurance that Platina Resources' plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that Platina Resources' will be able to confirm the presence of additional mineral deposits, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of Platina Resources' mineral properties.

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