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.

**Munni Munni (30-100%) Western Australia**
- Target – Au, PGM
- Joint venture with Artemis Resources
- Significant PGM deposit & potential conglomerate gold target

**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

**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**

<table>
<thead>
<tr>
<th>ASX Code</th>
<th>PGM</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shares(^{(1)})</th>
<th>264.1 million</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>52 week low/high</th>
<th>7.7¢ - 26.5¢</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Top 20 shareholders</th>
<th>53%</th>
</tr>
</thead>
</table>

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)**

<table>
<thead>
<tr>
<th>Shareholder</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cairnglen Investments</td>
<td>15.1%</td>
</tr>
<tr>
<td>Electrum Global Holdings</td>
<td>7.9%</td>
</tr>
<tr>
<td>Shopfitting Headquarters Pty Ltd</td>
<td>6.0%</td>
</tr>
<tr>
<td>Yandal Investments (Mark Creasy)</td>
<td>2.7%</td>
</tr>
</tbody>
</table>

**Capitalisation**

<table>
<thead>
<tr>
<th>Price</th>
<th>9.5¢</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Market cap</th>
<th>AUD$25 million</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Cash (30 Sept 2018)</th>
<th>AUD$4.1 million</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Debt (30 Sept 2018)</th>
<th>Nil</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Enterprise value</th>
<th>AUD$21 million</th>
</tr>
</thead>
</table>

Source: ASX
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mr. Brian Moller</strong></td>
<td>LL.B (Hons) Non-Executive Chairman</td>
</tr>
<tr>
<td><strong>Corey Nolan</strong></td>
<td>B.Com, MMEE, GAICD Managing Director</td>
</tr>
<tr>
<td><strong>Chris Hartley</strong></td>
<td>Bsc; PhD, GAICD Non-Executive Director</td>
</tr>
<tr>
<td><strong>John Anderson</strong></td>
<td>LL.B, B.Com, GDCL, GAICD Non-Executive Director</td>
</tr>
<tr>
<td><strong>Paul Jurman</strong></td>
<td>B.Com, CPA Company Secretary</td>
</tr>
</tbody>
</table>

**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

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

Roland Wells
ARMIT Mining, Civil Project Director

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

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 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.

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 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.

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

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

42t/yr Scandium Oxide Production

Modular Development Approach

- Capex Estimate: US$38.5m
- 20t/yr Scandium Oxide Production
- 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

42 t/year Sc₂O₃

Cobalt JORC Resource (0.08% Co cut-off)

<table>
<thead>
<tr>
<th></th>
<th>Sc</th>
<th>Co</th>
<th>Pt</th>
<th>Ni</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measured</td>
<td>4.0</td>
<td>380</td>
<td>0.14</td>
<td>0.49</td>
</tr>
<tr>
<td>Indicated</td>
<td>6.2</td>
<td>350</td>
<td>0.12</td>
<td>0.26</td>
</tr>
<tr>
<td>Inferred</td>
<td>6.7</td>
<td>245</td>
<td>0.11</td>
<td>0.21</td>
</tr>
<tr>
<td>Total</td>
<td>16.9</td>
<td>315</td>
<td>0.12</td>
<td>0.29</td>
</tr>
</tbody>
</table>

- 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)**

<table>
<thead>
<tr>
<th></th>
<th>Dry Mt</th>
<th>Sc ppm</th>
<th>Co %</th>
<th>Ni %</th>
<th>Sc₂O₃ t*</th>
<th>Co t</th>
<th>Ni t</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proven</td>
<td>2.22</td>
<td>560</td>
<td>0.09</td>
<td>0.13</td>
<td>1,896</td>
<td>2,027</td>
<td>2,905</td>
</tr>
<tr>
<td>Probable</td>
<td>1.76</td>
<td>540</td>
<td>0.08</td>
<td>0.13</td>
<td>1,463</td>
<td>1,483</td>
<td>2,252</td>
</tr>
<tr>
<td>Total</td>
<td>3.99</td>
<td>550</td>
<td>0.09</td>
<td>0.13</td>
<td>3,359</td>
<td>3,510</td>
<td>5,157</td>
</tr>
</tbody>
</table>

**JORC Mineral Resource (300 ppm Sc cut-off)**

<table>
<thead>
<tr>
<th></th>
<th>Mt</th>
<th>Sc ppm</th>
<th>Co %</th>
<th>Pt g/t</th>
<th>Ni %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measured</td>
<td>7.8</td>
<td>435</td>
<td>0.07</td>
<td>0.42</td>
<td>0.13</td>
</tr>
<tr>
<td>Indicated</td>
<td>12.5</td>
<td>410</td>
<td>0.06</td>
<td>0.26</td>
<td>0.11</td>
</tr>
<tr>
<td>Inferred</td>
<td>15.3</td>
<td>380</td>
<td>0.05</td>
<td>0.22</td>
<td>0.08</td>
</tr>
<tr>
<td>Total</td>
<td>35.6</td>
<td>405</td>
<td>0.06</td>
<td>0.28</td>
<td>0.10</td>
</tr>
</tbody>
</table>

*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: 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

~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
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
Scandium 101

**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.

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)

Lithium-ion battery pack:

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

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

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 CO₂ 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.

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.

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.

Source: Bloomberg
The addition of $\text{Sc}_2\text{O}_3$ 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
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 an mine will successfully be developed on any of Platina Resources’ mineral properties.
Contact

Telephone: +61 7 5580 9094
Email: admin@platinaresources.com.au

Level 2, Suite 9,
389 Oxford Street
Mt Hawthorn WA 6016
AUSTRALIA

www.platinaresources.com.au