Owendale Scandium Project
March 2015

Robert Mosig   Managing Director  CEO
SCANDIUM

expecting big demand with increased uses from a consistent supply
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’s Statement

The information in this announcement that relates to the Owendale Indicated and Inferred Mineral Resource is extracted from the report entitled ASX Release “PGM Owendale Updated Resource Estimate” created on 3 October 2013 and is available to view on www.platinairesources.com.au. The report was issued in accordance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcement.

Cautionary Statement

There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the production target itself will be realised.
### Corporate Summary

#### Issued Capital

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<tr>
<td>ASX</td>
<td>PGM</td>
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<td>Shares</td>
<td>140.9 Million</td>
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<td>Options (listed)</td>
<td>82.6 Million</td>
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<tr>
<td>Options (unlisted)</td>
<td>3.5 Million</td>
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#### Share Price (18 Feb)

- 7.5c

#### Cash (31 Dec 2014)

- $0.52 Million

#### Market Capitalisation

- $9 Million

### Major Shareholders

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<tr>
<th>Shareholder</th>
<th>Percentage</th>
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<tr>
<td>Electrum Ltd</td>
<td>20.6%</td>
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<td>Cairnglen Investments</td>
<td>12.7%</td>
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<td>Yandal Investments</td>
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<tr>
<td>Sino Portfolio Intl.</td>
<td>6.0%</td>
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<tr>
<td>HSBC Custody Nominees</td>
<td>5.8%</td>
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<td><strong>Top 10</strong></td>
<td><strong>58.8%</strong></td>
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### Directors & Management

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<tr>
<th>Name</th>
<th>Role</th>
<th>Qualifications</th>
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<tr>
<td>Reg Gillard</td>
<td>Non-Executive Chairman</td>
<td>BA, FAICD, FACPA, JP</td>
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<tr>
<td>Rob Mosig</td>
<td>Managing Director</td>
<td>MSc, FAusIMM, FAICD</td>
</tr>
<tr>
<td>Brian Moller</td>
<td>Non-Executive Director</td>
<td>LLB (Hons)</td>
</tr>
<tr>
<td>Mark Dugmore</td>
<td>Exploration Manager</td>
<td>MSc, MAusIMM, MAIG</td>
</tr>
</tbody>
</table>
Board and Management

Reg Gillard, Non-Executive Chairman – BA, FAICD, FACPA, JP
- Reg has more than 30 years' experience in the formation, governance and financial maintenance of exploration and mining companies throughout the world.

Robert W. Mosig, Managing Director – MSc, FAusIMM, FAICD
- Rob is a geologist with more than 30 years' experience in Platinum Group Metals, gold and diamond exploration within Australasia.

Brian Moller, Non-Executive Director – LLB (Hons)
- Brian is a corporate partner in the Brisbane-based law firm Hopgood Ganim where he has been a partner since 1983. He practices almost exclusively in the corporate area with an emphasis on capital raising, mergers and acquisitions.

Mark Dugmore, Exploration Manager – MSc, MAusIMM
- Mark is a geologist with more than 25 years' experience in gold and base metals exploration within Australia as well as internationally.
Scandium: Critical Metal

Enormous growth potential for scandium in 2 key markets

• Aerospace/Transport
  • Scandium Aluminium alloys
• Energy/Electrical
  • Scandium Stabilised Zirconium in Solid Oxide Fuel Cells (SOFC)
Limited reliable supply of Sc, mostly as a by-product, means high prices in a very small ‘high-end’ market…

Current supply from by-products
- Most production as by-product (due to low concentration) from China, Ukraine
- No primary mine production …yet!
- Owendale laterite high-grade is potential new primary source. Grade is King!

Demand is growing
- Sc-Aluminium alloys: aerospace components, sports equipment is leading use of Sc
- Electrical/Energy: growing future market for fuel cells (Solid Oxide FC)
- Lights: high-power metal halide lamps and lasers

Price
- USGS quotes Sc₂O₃ as US$3,700/kg for 99.9% purity (2012)
- Global scandium consumption ~10-15 tonnes pa
- Current high price prevents wider application. Owendale high-grade is key!
Owendale, as the largest deposit with the highest Sc grade proposing to use proven conventional, high recoveries technologies will be able to be the price-setter to enable introduction of wider applications at a lower Sc price!
Sc-reinforced Al alloys represent new generation of high-performance alloys with advantages over other Al alloys

- **Stronger** (triples strength with as little as 0.5% Sc)
- **Excellent corrosion resistance**
- **Strengthens welds and excellent weldability**
- **Limits excessive grain growth that occurs in heat-affected zone**
- **Lower density**
- **Reduces aircraft weights by 10-15% and operating costs significantly**

Enormous growth potential for Sc

- **Commercial aerospace**
  - Boeing & Airbus forecasting up to 36,770 new airplanes by 2033
  - Estimate between 70 and 700 kg of Sc oxide is required per plane depending on aircraft size

- **Military aerospace**
  - Initial use in Russian aircraft
  - Future use promising

- **Commercial automotive**
  - Large potential market

Potential annual market by 2025 maybe 250 tonnes* of Sc2O3

**Scandium: Solid Oxide Fuel Cells**

Potential to -
- revolutionise the powering of the USA
- replace the internal combustion engine

A device that uses hydrogen and oxygen to create electricity

Offers cleaner, more efficient, fuel-flexible, localised power alternatives

Sc-stabilised zirconium (SSZ) used by Bloom Energy in electrolyte makes SOFCs more efficient

Bloom Energy is the market-leading provider of SOFCs and customers include
- FedEx, Walmart, Target, Apple, Google, ebay, Yahoo, Bank of America, Honda, CocaCola, US Dept of Defence plus more...

Potential annual market required by Bloom Energy by 2025 maybe 60 tonnes* of Sc2O3

Additional growth potential for Sc$_2$O$_3$ scandium oxide in other markets

- Sporting equipment
  - Golf clubs, bicycles, baseball bats. Currently the leading use
- Lighting
  - High-power metal halide lamps and lasers
- Additive Layer Manufacturing
  - 3-D printed components
- Electricity grid transmission
  - High tension wires
- Ship-building
  - Good anti-corrosion properties
Potential annual demand for Sc2O3 in aircraft and SOFC markets could reach >300 tonnes by 2025 (USD$600 million market)
Australian and Canadian projects are in early development stage and financing not expected to commence before 2015 in the best case.

Their total capacity is expected to reach 130 tonnes pa after 2015.

Russia has several less ambitious projects with estimated production of <5 tonnes pa.

### Investment Project

<table>
<thead>
<tr>
<th>Investment Project</th>
<th>Production date</th>
<th>CAPEX</th>
<th>Annual Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platina Resources</td>
<td>2017</td>
<td>$58 M*</td>
<td>30 t (99.9%)</td>
</tr>
<tr>
<td>Metallica Minerals</td>
<td>On hold</td>
<td>$465 M*</td>
<td>50-65 t (99.9%)</td>
</tr>
<tr>
<td>EMC Metals</td>
<td>2016+</td>
<td>$67 M*</td>
<td>36 t (90-99%)</td>
</tr>
<tr>
<td>Clean TeQ</td>
<td>2018</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>Orbite Aluminae Inc (Canada)</td>
<td>2015+</td>
<td>$500 M</td>
<td>50 t Sc (red sludge)</td>
</tr>
<tr>
<td>ARMZ (Russia)</td>
<td>2012-2023</td>
<td>$20 M</td>
<td>N/A</td>
</tr>
<tr>
<td>Sumitomo (Phillipines)</td>
<td>2014</td>
<td>$550 M</td>
<td>0.24 t</td>
</tr>
<tr>
<td>Hydro-metall plant (Russia)</td>
<td>2012-2015</td>
<td>$70 M</td>
<td>N/A</td>
</tr>
<tr>
<td>Kackanarsky GOK (Russia)</td>
<td>N/A</td>
<td>N/A</td>
<td>1 t Sc oxide (red sludge)</td>
</tr>
<tr>
<td>Energetichaskie (Russia)</td>
<td>2012-2014</td>
<td>$20 M</td>
<td>1 t Sc oxide (red sludge)</td>
</tr>
</tbody>
</table>

Source: Industry publications, Company Data, PFL Advisors.  *AUD : USD 0.78
Owendale: Scandium Project

- Extremely high grade Scandium
- Large near surface tonnage with additional ore available
- Simple open pit mining
- Close to water & power supplies
- Favourable Capex and Opex
Owendale: Favourable Location

Owendale Project

NSW

Newcastle
Gosford
Sydney
Wollongong
Hay
Parkes
Dubbo
Bathurst
Cowra
Wagga Wagga
Goulburn
Cooma
Coffs Harbour
Port Macquarie
Taree
Canberra
ACT
Victoria
Albury

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Owendale: Scandium Resource

World’s largest, highest grade laterite-hosted scandium deposit proposing to use proven conventional technologies

9,100 tonnes of contained scandium metal (13,932 tonnes Sc2O3)

Overlaps the platinum resource

High-grade (>500 ppm Sc) portion can satisfy >100 years of world demand at current demand levels of 10-15 tpa

<table>
<thead>
<tr>
<th>Resource Classification</th>
<th>Tonnage (Mt)</th>
<th>Pt g/t</th>
<th>Sc ppm</th>
<th>Ni %</th>
<th>Co %</th>
<th>Pt koz</th>
<th>Sc t</th>
<th>Sc2O3 t</th>
<th>PtEq g/t</th>
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<tbody>
<tr>
<td>Indicated</td>
<td>4.2</td>
<td>0.53</td>
<td>401</td>
<td>0.13</td>
<td>0.06</td>
<td>72</td>
<td>1698</td>
<td>2605</td>
<td>0.93</td>
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<tr>
<td>Inferred</td>
<td>19.4</td>
<td>0.33</td>
<td>380</td>
<td>0.11</td>
<td>0.06</td>
<td>205</td>
<td>7385</td>
<td>11327</td>
<td>0.69</td>
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<tr>
<td>TOTAL</td>
<td>23.7</td>
<td>0.36</td>
<td>384</td>
<td>0.11</td>
<td>0.06</td>
<td>277</td>
<td>9083</td>
<td>13932</td>
<td>0.73</td>
</tr>
</tbody>
</table>

Total Sc resource (JORC 2012) using a 300 ppm Sc cut-off, and showing resource classification. Estimation carried out by Golder Associates Pty Ltd, Brisbane, October 2013. Conversion factor from Sc to Sc\textsubscript{2}O\textsubscript{3} is 1.5338.
Mineralisation hosted within a laterite profile of a weathered ultramafic sequence

Extends from 1m to 55m depth

Grade! Grade! Grade!

- At high grade (500 ppm) cut-off, the resource supports significant annual production

<table>
<thead>
<tr>
<th>Resource</th>
<th>Mt</th>
<th>Pt g/t</th>
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<th>Pt koz</th>
<th>Sc t</th>
<th>Sc2O3 t</th>
<th>PtEq g/t</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ind &amp; Inf</td>
<td>2.3</td>
<td>0.37</td>
<td>557</td>
<td>0.17</td>
<td>0.09</td>
<td>27</td>
<td>1281</td>
<td>1965</td>
<td>0.94</td>
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</table>

Total Sc resource (JORC 2012) using a 500 ppm Sc cut-off, and showing resource classification. Estimation carried out by Golder Associates Pty Ltd, Brisbane, October 2013. *Conversion factor from Sc to Sc₂O₃ is 1.5338.*
Simple mining operation on shallow resource

- Open cut, low stripping ratio, ~50,000 tpa campaign

Near surface high grade in horizontal deposit

Low operating costs
Owendale has the highest grade of scandium proposing to use proven conventional, high recoveries technologies.

Scandium Projects – Resource Comparison

Circle sizes represent total contained Sc

Flemington (Jervois Mining); Nyngan (Scandium International); SCONI (Metallica); Syerston (Clean TeQ).
**Leaching**
- *Industry standard High Pressure Acid Leach (HPAL)*
- *Expected 83% recovery*

**SXEW**
- *Industry available technology*
- *Low technology risk compared with other competitors*
## Owendale: Scoping Study

<table>
<thead>
<tr>
<th>Owendale Project Key Parameters</th>
<th>Scoping Study Result (AUD$M)</th>
<th>Scoping Study Result (USD$M)</th>
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<tbody>
<tr>
<td>Capital Cost estimate</td>
<td>$74</td>
<td>$57</td>
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<tr>
<td>Annual Revenue</td>
<td>$77</td>
<td>$60</td>
</tr>
<tr>
<td>Unit Cash Costs (per kg oxide)</td>
<td>$598</td>
<td>$466</td>
</tr>
</tbody>
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Assumptions: AUD : USD 0.78. USD$2,000/kg oxide. 30tpa Sc oxide production 99.9% purity
**Owendale: Development**

*Offtake Agreements to be finalised by mid-year*

*Prefeasibility and Feasibility Studies commencing Q2 2015*

<table>
<thead>
<tr>
<th>Stage</th>
<th>Q1 15</th>
<th>Q2 15</th>
<th>Q3 15</th>
<th>Q4 15</th>
<th>Q1 16</th>
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<td>Scoping Study</td>
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<td>Offtake Agreement Finalisation</td>
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Owendale: Key Messages

- Potentially world’s largest, highest grade scandium project proposing to use proven, conventional high-recovery technology
- 9,100 tonnes Sc metal (13,392 tonnes Sc2O3) and over 0.5 Moz Pt.
- Owendale - reliable, secure, stable, long term production will grow/enhance commercial applications of Sc
- HoA for proposed supply of 20 tonnes scandium oxide (99.9% purity) to two major Chinese partners
- New costings, scoping and prefeasibility studies based on updated resource and metallurgical flow sheet completed by Q2 2015.

The world’s first scandium mine by 2017!