



PLATINA
RESOURCES LIMITED

ASX Code: PGM

Owendale Scandium Project

August 2014

Robert Mosig Managing Director CEO

SCANDIUM

21	44.956
2831	1.3
1539	
Sc	
[Ar]3d4s ²	
2.99	3

**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.platinaresources.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.

Issued Capital

Ordinary shares listing: ASX: PGM

Shares on issue: 133.8 Million

Listed Options: 84.9 Million

Unlisted Options: 3.125 Million

Share price (21/08/2014): 18c

Cash at June 30: AUD \$0.75 Million

Market capitalisation: ~AUD\$24 Million

Directors & Management

Reg Gillard, Non-Executive Chairman – BA, FAICD, FACPA, JP

Rob Mosig, Managing Director – MSc, FAusIMM, FAICD

Brian Moller, Non-Executive Director – LLB (Hons)

Mark Dugmore, Exploration Manager – MSc, MAusIMM, MAIG

Major Shareholders

Electrum Ltd (Tom Kaplan) 20.6%

Cairnglen Investments Pty Ltd (Peter Woodford) 12.7%

Yandal Investments Pty Ltd (Mark Creasy) 6.0%

Sino Portfolio International 6.0%

HSBC Custody Nominees 5.8%

Top 10 58.8%



6 month price chart

Limited reliable supply, 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 productionyet!*
- *Owendale laterite high-grade is potential new primary source*

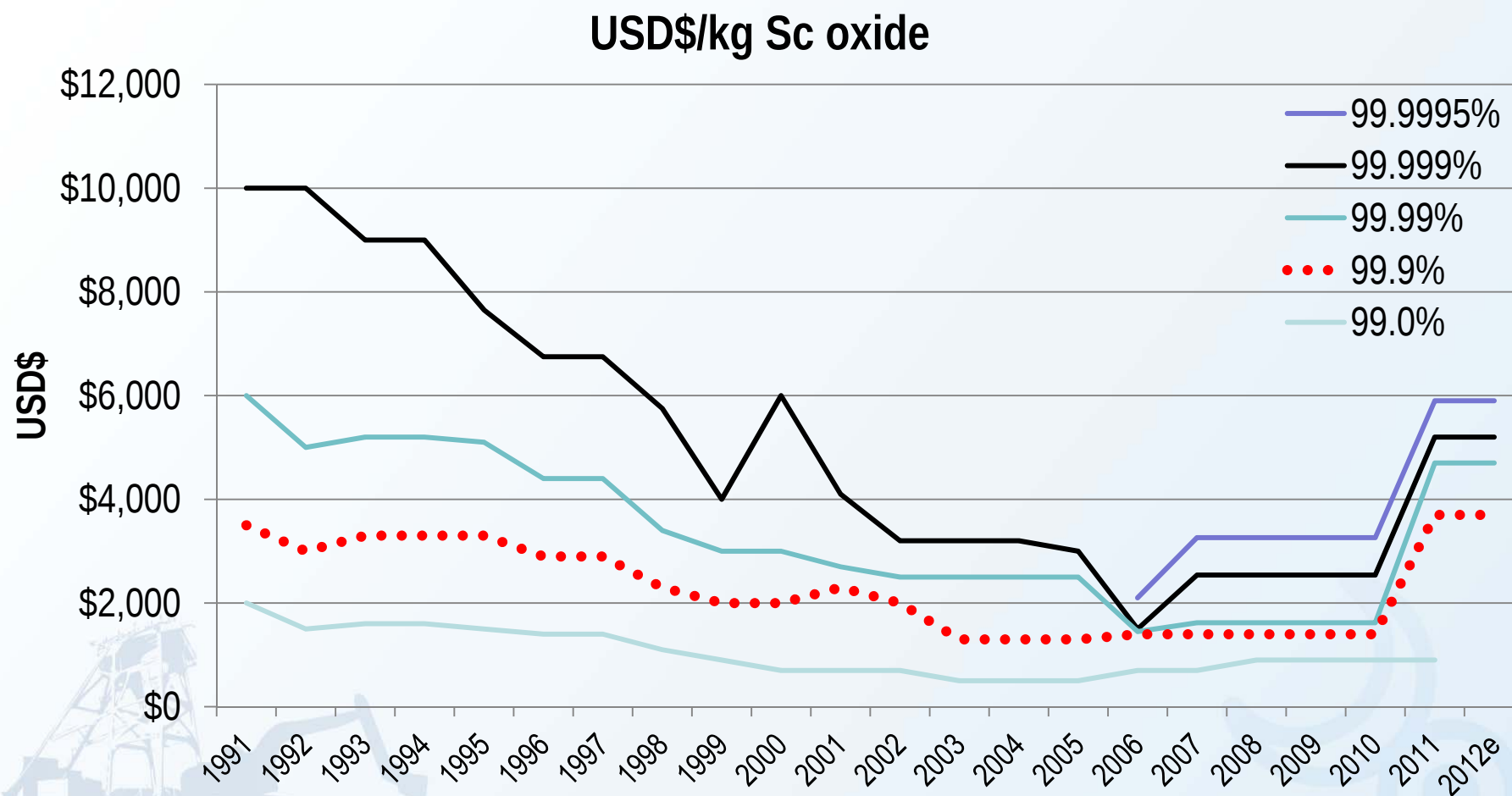
↪ ***Demand is growing***

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

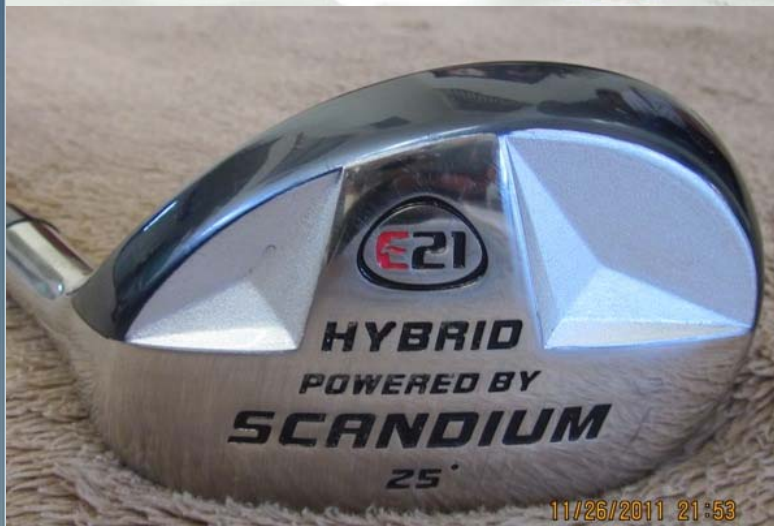
↪ ***Price***

- *USGS quotes Sc_2O_3 as US\$3,700/kg for 99.9% purity (2012)*
- *Global scandium consumption ~10 tonnes pa*
- *Current high price prevents wider application. Owendale high-grade is key!*

- 🌀 *Owendale, as the deposit with the highest Sc grade, will be able to be the price-setter to enable introduction of wider applications at a lower Sc price!*



Source: USGS. PFL Advisors



Sc-reinforced Al alloys represent new generation of high-performance alloys with advantages over other Al alloys

- *High strength (3x with as little as 0.5% Sc), more ductile, excellent corrosion resistance, lower density (5% lighter)*
- *Strengthens welds and excellent weldability*
- *Reduces aircraft weights & operating costs considerably*

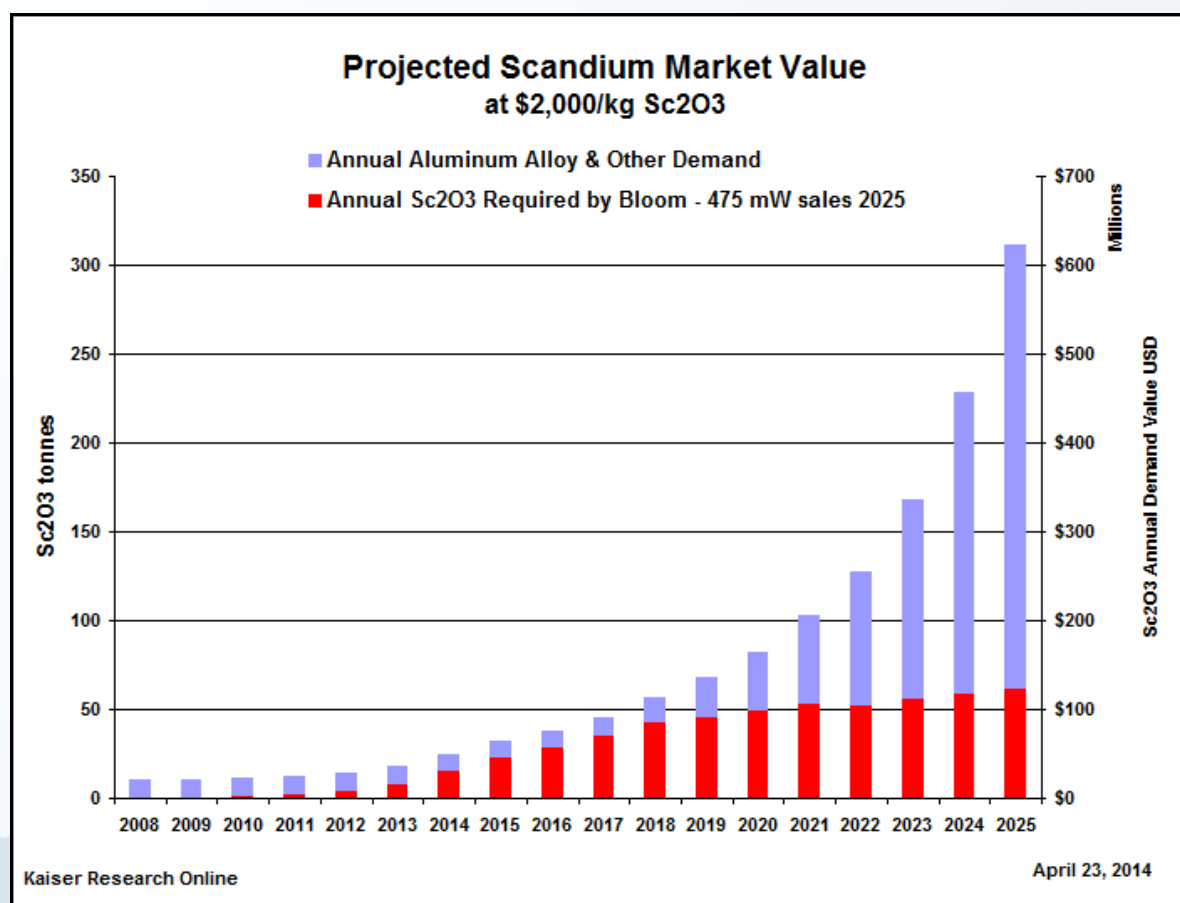
Aircraft Market is the big flyer

- *Airlines will need nearly 36,800 new airplanes by 2033¹*
- *Estimate between 70 and 700 kg of Sc oxide is required per plane depending on aircraft size*

Flying high-grade with Sc and Owendale

- *Grade is king! Owendale is the highest grade scandium deposit*
- *Potential market for scandium over the next 20 years looks promising*

❧ *Potential annual demand for Sc₂O₃ in aircraft and SOFC markets could reach > 300 tonnes by 2025*



Source: Kaiser Research

- 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

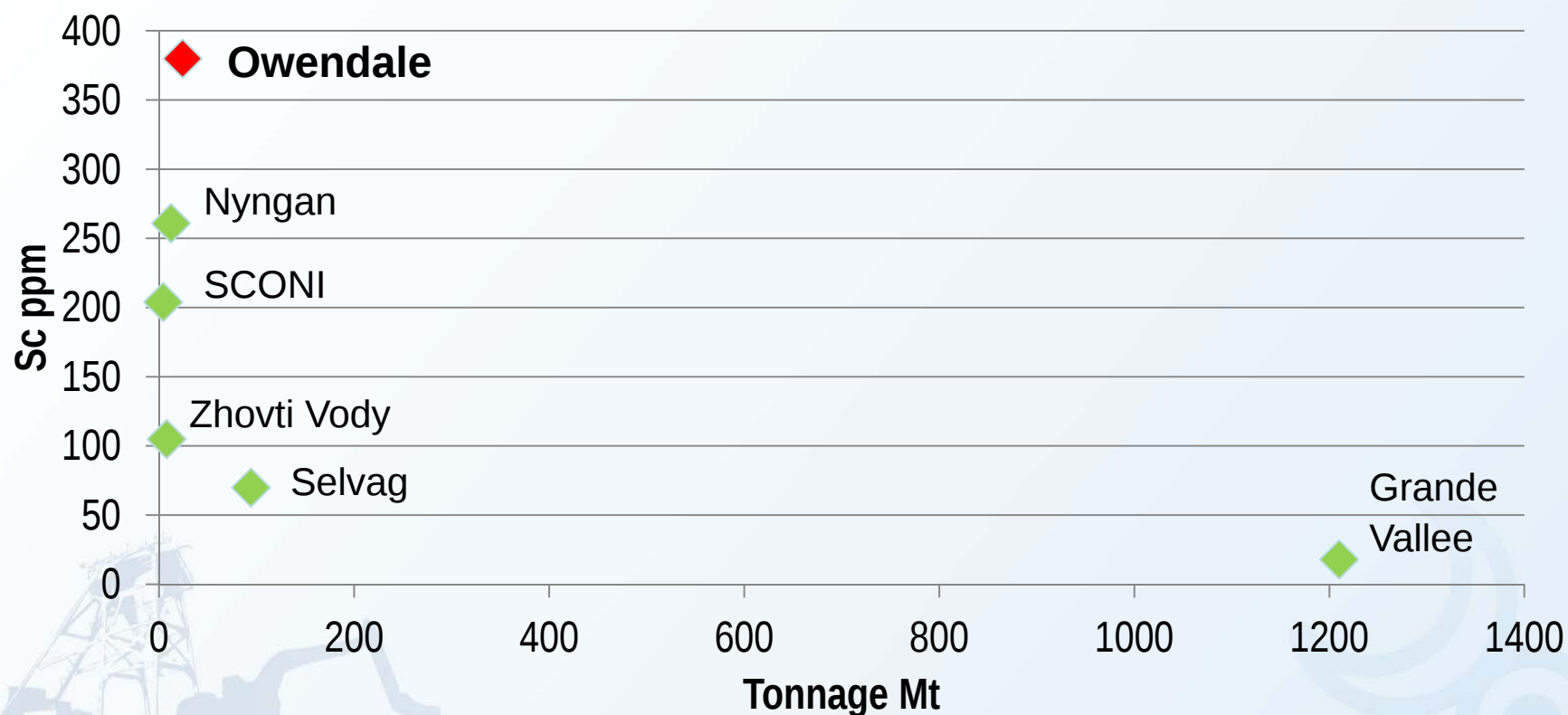
- Russia has several less ambitious projects with estimated production of <5 tonnes pa

Investment Project	Production date	CAPEX	Annual Capacity
Metallica Minerals	2015+	\$600 M	50-65 t (99.9%)
EMC Metals	2015+	\$100 M	25 t
Orbite Aluminae Inc (Canada)	2015+	\$500 M	50 t Sc (red sludge)
ARMZ (Russia)	2012-2023	\$20 M	N/A
Sumitomo (Phillipines)	2014	\$550 M	0.24 t
Hydro-metall plant (Russia)	2012-2015	\$70 M	N/A
Kackanarsky GOK (Russia)	N/A	N/A	1 t Sc oxide (red sludge)
Energetichaskie (Russia)	2012-2014	\$20 M	1 t Sc oxide (red sludge)

Source: Industry publications, Company Data, PFL Advisors

- Owendale has the highest grade of scandium compared with other projects*

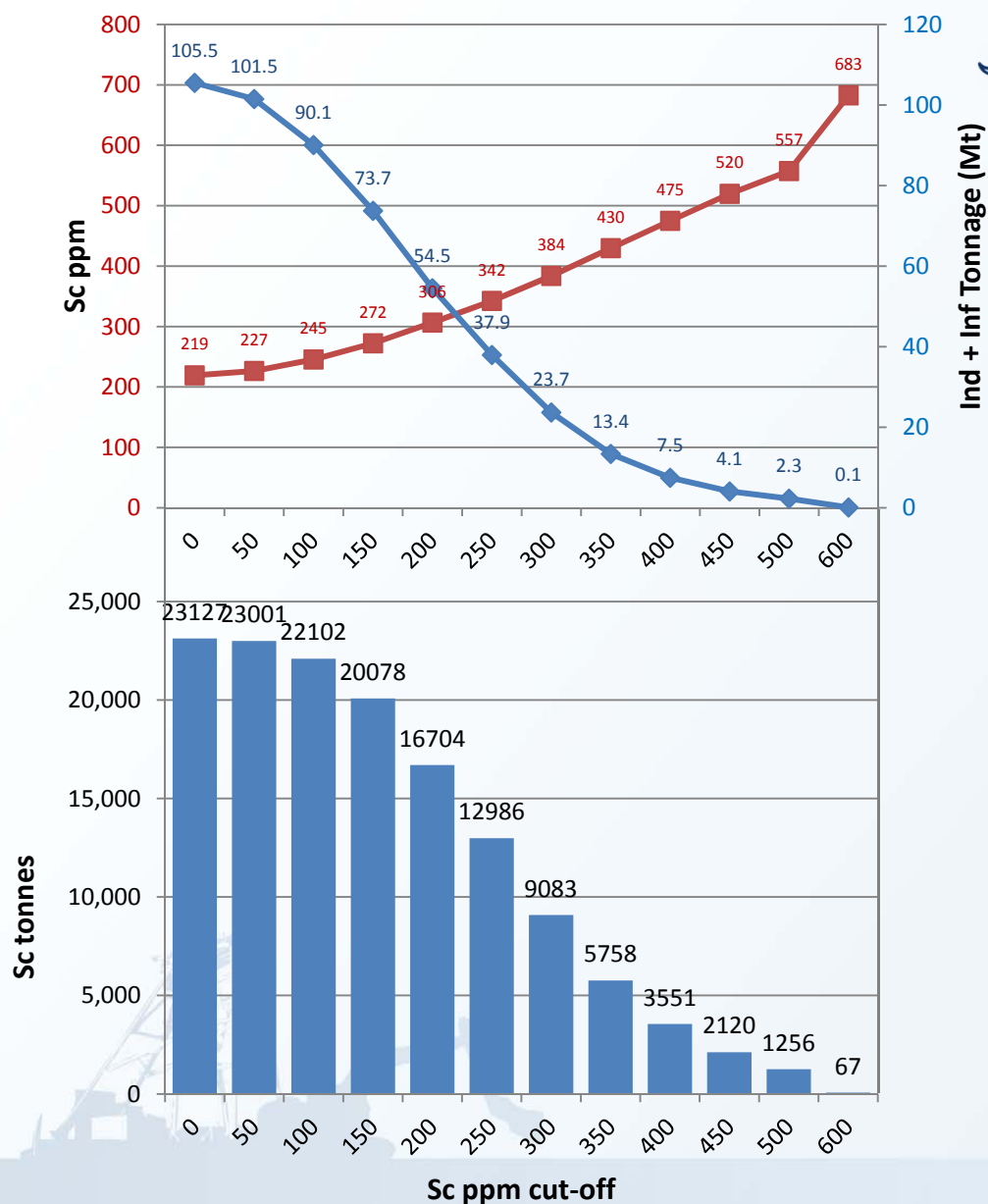
Scandium Projects – Resource grades





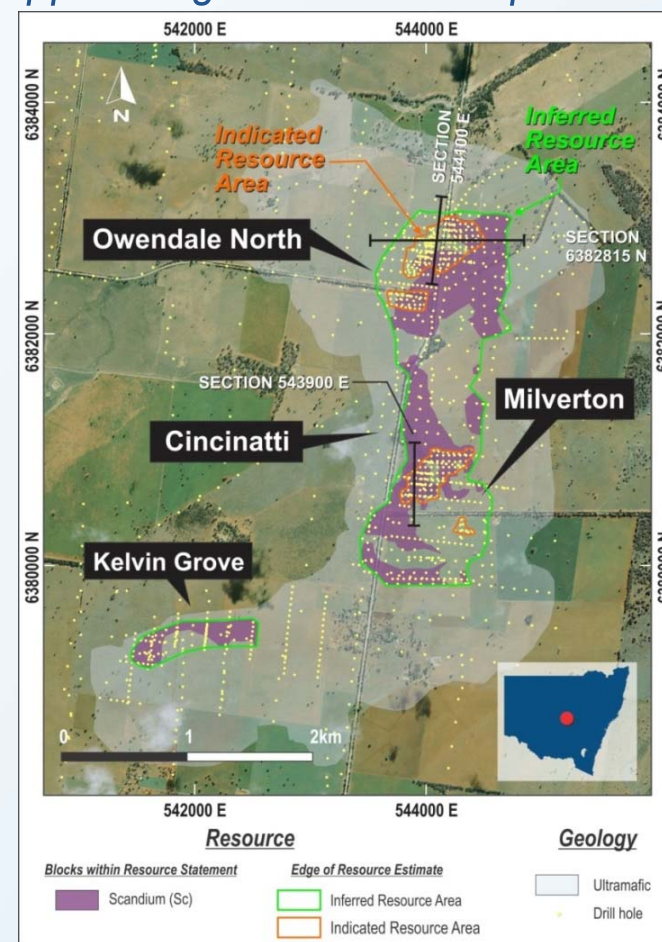
Resource Classification	Tonnage (Mt)	Pt g/t	Sc ppm	Ni %	Co %	Pt koz	Sc t	PtEq g/t
Indicated	4.2	0.53	401	0.13	0.06	72	1698	0.93
Inferred	19.4	0.33	380	0.11	0.06	205	7385	0.69
TOTAL	23.7	0.36	384	0.11	0.06	277	9083	0.73

- World's largest, highest-grade laterite hosted scandium deposit
9,100 tonnes of contained scandium metal
- Overlaps the platinum resource
- High-grade (>500 ppm Sc) portion can satisfy ~200 years of world demand at current demand levels of 10 tpa



Grade! Grade! Grade!

- At higher grade cut-offs, the resource supports significant annual production



Simple Mining operation

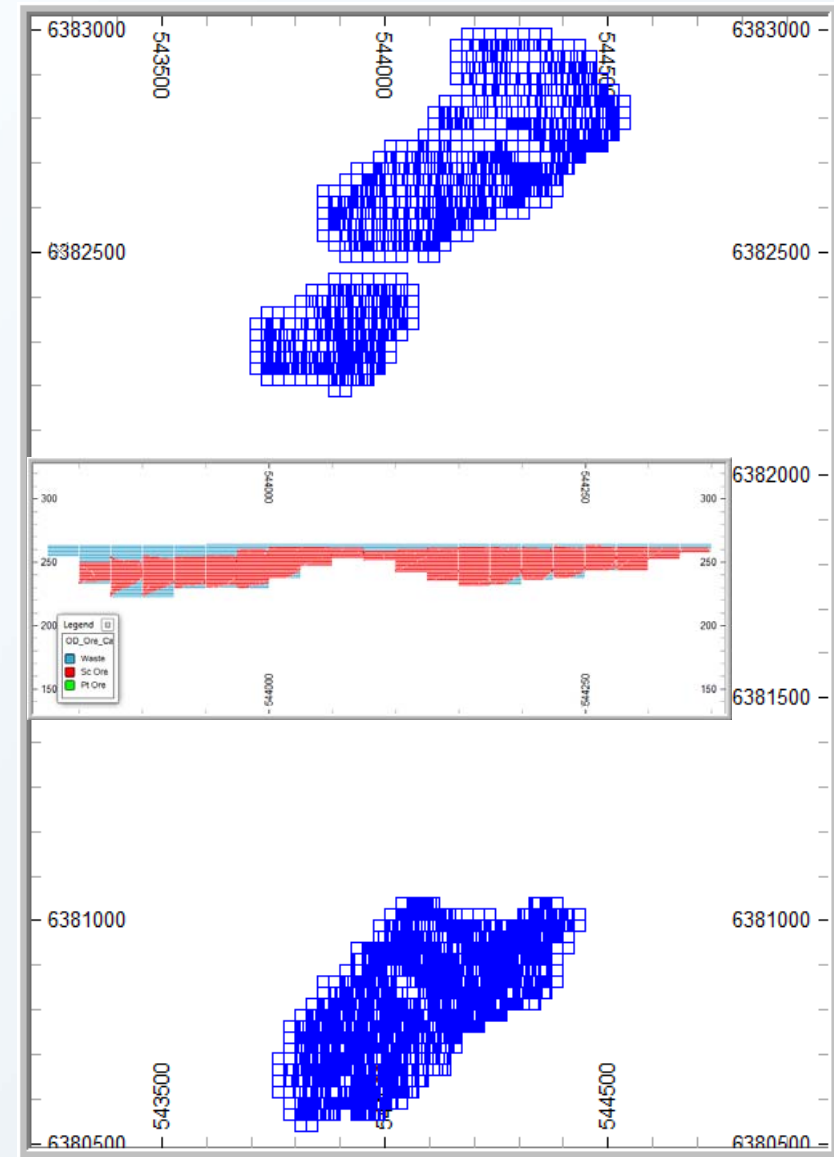
- Resource near surface (max depth 55m)
- Near horizontal deposit requiring simple open pit mining with S/R 1.4 : 1
- Mining rate in low 10's thousands tpa in soft clay requiring ripping only

Well Positioned Infrastructure

- Nearby towns
- Power

Land

- Freehold title
- Friendly farmers
- Baseline monitoring and initial investigations indicate no issues



🌀 *The world's first scandium mine?*

- *The absence of reliable, secure, stable, long term production has limited commercial applications of Sc*
- *Large scale industrial use historically constrained by high price due to low volumes of production and complex technology of preparation*



- Over 0.5 M oz Pt and 9100 tonnes Sc metal.*
- Platinum and Scandium are expected to be in strong global demand over the next decade.*
- 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 2016?*



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Thank You

Website:

www.platinareources.com.au

Head Office:

2 Boston Court, Varsity Lakes
QLD 4227, Australia

Phone:

+61 (0)7 5580 9094

Fax:

+61 (0)7 5580 9394

Email:

office@platinareources.com.au