

**ASX Code: PTS**

Issued Shares: 175.3M

Unlisted Options: 26.2M

Cash Balance for PTS: \$8.6M

Cash Balance for Group: \$10.4M

ABN 16 003 254 395

**DIRECTORS**

Pat Elliott

Greg Jones

Kwan Chee Seng

Dr Foo Fatt Kah

Alan Breen

**TOP SHAREHOLDERS**

Kwan Chee Seng

Minotaur Resources

Xiangjun Zhang

Top 20 Shareholders hold 73.2%

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[www.platsearch.com.au](http://www.platsearch.com.au)**HIGHLIGHTS**

- **PlatSearch** continued assessment and acquisition work for high quality, advanced properties within Europe and has entered into the final stages of project acquisition in France.
- Following completion of a positive scoping study at the **Nowa Nowa** Project Victoria in late 2012, and Board approval for commencement of a Definitive Feasibility Study, **Eastern Iron** has now appointed project delivery specialists Engenium to undertake the DFS. The Feasibility Study team is in place and related studies are underway.
- Drilling programs completed at **Eastern Iron's** Five Mile and Seven Mile prospects confirmed earlier drilling and will provide more certainty to the resource model as well as providing sample for additional process testwork.
- **Thomson Resources** completed four RC holes at the Bulla Park prospect in the Ghost rider project and drilling is ongoing at the F1 anomaly in the Falcon project, Thomson Fold Belt.
- Work by **Silver City Minerals Limited** has confirmed that the Razorback West and Allendale prospects continue to be a short term priority with additional prospects such as Yalcowinna Creek, Parnell, Native Dog and Mt Brown also now being brought to the drilling stage.
- As at the end of the quarter, the Company held \$8.6 million in cash. **Liquid investments** held in listed resource companies totalled \$5.5 million. Total liquid assets are equivalent to approximately 8 cents per share.



## EXPLORATION

### CURNAMONA PROVINCE / BROKEN HILL, NSW AND SA

**JUNCTION DAM URANIUM JV** - *PlatSearch 5.0%, Eaglehawk 1.2%, Teck 6.5%, Marmota 87.3%*

During the March quarter, Marmota completed QEMSCAN (an electron microscopy technique) mineralogical analysis of sample from its cored drill holes across the Saffron and Bridget prospects.

Uranium mineralisation contained within the Saffron resource zone and adjoining Bridget prospect is predominantly contained in the minerals uraninite and autinite. The dominant component of the samples was sub-angular quartz grains with uraninite/autinite present at the grain margins and surface, and in fractures within the grains as fine grained intergrowths. The analysis also indicated that only 2% of the uranium mineralisation appears to be locked in the quartz grain, with the remaining potentially open for processing and extraction.

This is encouraging as these two minerals are known to be readily leachable and are predominant constituents of the other significant in-situ recovery uranium mining operations in the region.

The next phase will be to drill several wide diameter bore holes to obtain a 10kg bulk sample to submit for bottle roll testing.

**HILLSTON PROJECT, NSW** – *PlatSearch 39.2%, Eaglehawk 9.8%, Perilya 50%, can earn 80%*

A detailed review of VTEM airborne electromagnetic data generated from the 2012 programme was completed with no targets identified on the Coultra tenement considered to warrant ground surveying. Field reconnaissance is planned for mid-year around the Coultra copper prospect where a regional conductive trend is being evaluated in an attempt to define more conductive portions, potentially indicative of sulphide mineralisation.

### LACHLAN FOLD BELT, NSW

**GHOSTRIDER PROJECT, NSW** – *PlatSearch 100%, Thomson Resources can earn 80%*

Previous work by PlatSearch at the Ghost rider MVT lead-zinc-silver project had identified strongly anomalous results in RAB drilling with maximum values in the weathered zone of 1.15% lead and 0.22% zinc. The lead anomaly is open to the northwest and east, and appears to be obscured by younger sediments to the west. An Induced Polarisation (IP) survey defined anomalism within and to the west and south of the main geochemical anomaly which parallels the major Mt Jack fault, with the IP anomalies lying between the geochemical anomaly and the fault. Thomson Resources completed 703 metres in four RC drill holes during the quarter to test three IP anomalies at the Bulla Park prospect on EL 7494, 80km west of Cobar. Assays are awaited, with disseminated and minor stringer galena and chalcopyrite observed in the RC chips.

## INVESTMENTS

PlatSearch maintains a diversified portfolio of investments within a number of ASX-listed resource companies. The key companies within the portfolio are:

**Eastern Iron** – Iron projects in Victoria, Queensland and NSW



**Silver City Minerals** – Significant exploration interests around Broken Hill, NSW

**Thomson Resources** – Dominant landholding within the Thomson Fold Belt, NSW

**WPG Resources** – Iron, coal and potash projects in South Australia

**Agua Limited** – Phosphate and potash projects in Brazil.

As at 24 April 2013, the total value of the PlatSearch shareholdings in ASX listed resource companies stood at approximately \$5.5 million.

### EASTERN IRON LIMITED

Eastern Iron (ASX: EFE) continued to focus its main activities on the evaluation of a possible mining development of the Nowa Nowa Project in eastern Victoria (Figure 1). In March 2013, following the completion of a positive scoping study, Eastern Iron announced Board approval for commencement of a Definitive Feasibility Study (DFS) and appointment of project delivery specialists Engenium Pty Ltd to undertake the DFS.

Engenium will project manage the entire study including inputs from specialist sub-consultants in the areas of:

- Mining and mine design
- Geotechnical investigations
- Hydrology/hydrogeology
- Port and transport studies
- Marketing
- Process testwork and design.
- Environmental and cultural heritage studies
- Tailing management and storage.



Figure 1 - Nowa Nowa location

Engenium expects the feasibility study to be completed by the end of 2013.

During the quarter the Company completed a program of diamond core and reverse circulation (RC) drilling program at the Five and Seven Mile deposits.

At Five Mile the program consisted of 5 diamond holes and 10 RC holes totalling 1,639 metres. This program provided infill drilling of the existing resource model and upgraded the level of confidence for future mining reserve estimates. RC drilling also targeted the margins of the body, in particular to assist in defining a “hard” boundary for the western faulted margin. Some large diameter (PQ) core drilling provided samples for metallurgical testwork, including determination of physical properties and crushing characteristics.

Eastern Iron has now drilled 8 diamond holes at Five Mile. At a 40% Fe cut-off grade, drilling has returned an average mineralised true width intercept of 53 metres at 52.5% Fe, 14.1% SiO<sub>2</sub>, 2.3% Al<sub>2</sub>O<sub>3</sub>, 0.025% P and 1.37% S.



At Seven Mile seven RC holes were completed for a total of 451 metres. The holes were drilled over the extent of the magnetic anomaly in order to explore the limits of the mineralised body. Assay data has been received and is currently being compiled into an updated resource model.

**Metallurgical Testwork**

New metallurgical testwork has been planned to verify previously reported mine scoping study results. The scoping study presented a fairly simple flowsheet involving primary run-of-mine (ROM) ore crushed to -1.6mm, followed by wet low intensity magnetic separation (LIMS) delivering a magnetic product for export. Testwork results indicate that a saleable product comparable to a high grade “fines” product of +63% Fe can be produced at a mass yield of 66% (ratio of saleable product tonnage to plant feed tonnage).

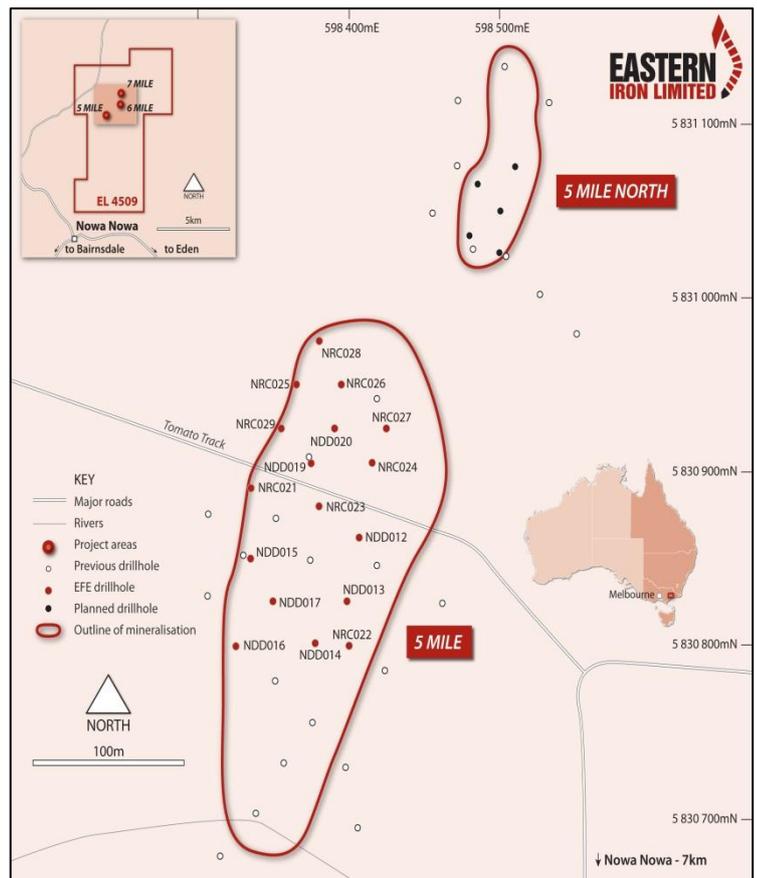


Figure 2 - Five Mile Prospect – Drill hole locations

The next stage of testwork will investigate potential variability across the orebody, and to what extent this could impact on product specifications and magnetic yield predictions for the various ore blocks. In addition, work will focus on attempting to recover non-magnetic iron (occurring as hematite) which comprises 45% by weight of the non-magnetic tail and could add substantially to total production and project revenue.

**Environmental and Cultural Heritage**

Base line environmental studies including water sampling and flora and fauna studies are now underway and should be completed in the next quarter.

**NSW Iron Pisolite Project**

Eastern Iron has received and accepted a cash offer of \$150,000 for the purchase of the whole of its remaining interest in the NSW iron pisolite project. The offer is subject to a pre-emptive right and conditional on approval of the transfer of title by the NSW Government.

*PlatSearch’s shareholding in Eastern Iron is 52.5 million ordinary shares (45.8%). As at 23 April 2013, EFE shares were trading at \$0.05. More details regarding Eastern Iron’s activities can be obtained from its website.*



## THOMSON RESOURCES LTD

During the quarter Thomson completed drilling at the Bulla Park prospect in the Ghost Rider project (joint venture with PlatSearch and earning an 80% interest) and commenced drilling of its wholly owned F1 target within the Falcon project area (Figure 3).

The F1 anomaly is the largest discrete magnetic anomaly in the Thomson portfolio. The only previous drilling in this area took place at F3 and F17 where altered and mineralised sedimentary rocks were intersected. The F1 anomaly is interpreted to possibly represent an extensive intrusion-related gold mineralisation and alteration system within a large granite body. Drilling is continuing at F1 and planned for Mulga Tank in the Byrock Project.

*PlatSearch holds 18.0 million fully paid Thomson shares, or 25.7% of the company and 5.0 million options exercisable at 30 cents. As at 23 April 2013, TMZ shares were trading at \$0.052. For further details please refer to the Thomson Resources website.*

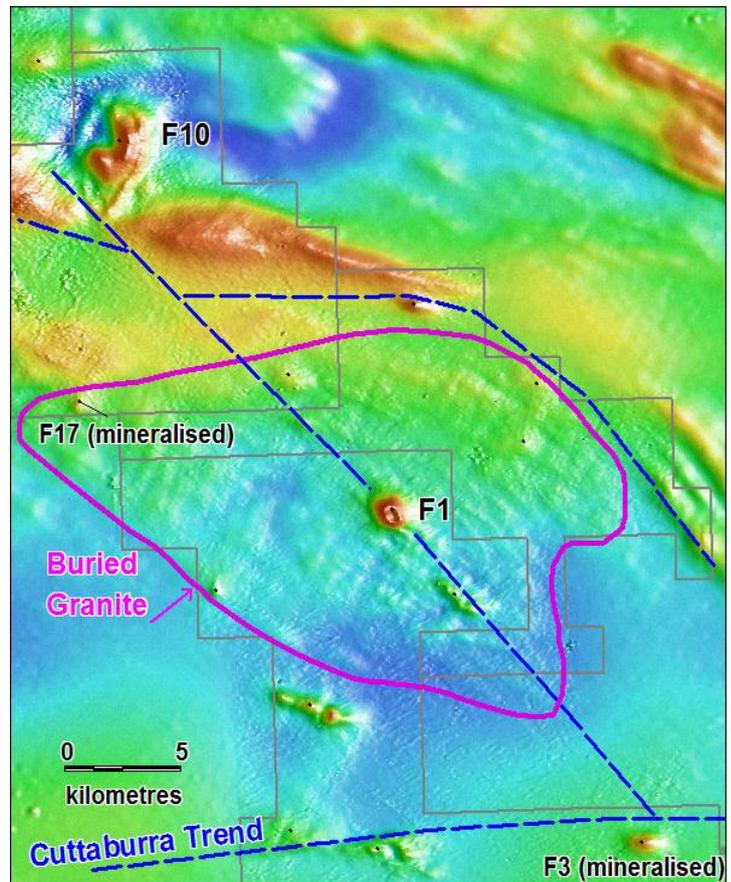


Figure 3 - F1 magnetic anomaly

## SILVER CITY MINERALS LIMITED

During the quarter Silver City focussed on preparations for drilling on the priority projects of Razorback West and Allendale as well as at three new projects, Mount Brown, Parnell and Native Dog (Figure 4).

### Razorback West

A recently completed deep penetration induced polarisation (IP) geophysical survey by Silver City generated a number of significant chargeability anomalies coincident with surface lead-zinc geochemical anomalies and a distinctive ridge of elevated gravity.

Silver City believes that the geochemical anomalies previously identified at Razorback West might represent the northern extension to the famous Broken Hill “line of lode” corridor, offset westward by a fault structure known as the Stephens Creek Shear Zone. These geochemical anomalies are believed to be associated with base metal sulphides and the IP survey was completed to identify zones of sulphide-bearing rock located in or around potential high grade silver-lead-zinc mineralisation. A systematic drilling campaign has been planned to fully assess these targets.



### Allendale

Work at Allendale, approximately 40km north of Broken Hill, has located lead, zinc, silver and minor copper mineralisation that is hosted in up to five east-dipping lode horizons within a corridor 75 metres wide and at least 450 metres long. The lodes, with accompanying sulphides, vary in true thickness from 0.5 to 10 metres.

Silver City has completed down-hole electromagnetic (EM) and magnetometric resistivity (MMR) geophysical surveys to help identify thicker zones of mineralisation for drill testing. An off-hole conductor has been identified to the south and offset from other holes. A deep RC hole (200 to 250 metres) is planned.

### Mt Brown

Geological data suggests the presence of a strongly mineralised structural corridor which extends for a kilometre along strike and which hosts gossanous lode rocks. The corridor is some 70 metres wide in places and hosts individual gossan horizons up to 3 metres thick. Both historic and Silver City rock chip sampling returned anomalous lead values of the order of 1-2% with a maximum value of 34% lead.

While the host rock sequence displays many of the characteristics of Broken Hill type (BHT) mineralisation it also appears to be enriched in copper. Copper is not a major component of classic BHT mineralisation. Drilling is ongoing at this project.

### Parnell

The historic Parnell Mine is a BHT occurrence located 15km north of Broken Hill. Workings dating back as far as the late 1800's have mined an aggregate of almost 1,600 tonnes of galena-rich material with recorded grades ranging from 18 to 33% lead, 120 to 760 g/t silver and 2 to 3% zinc. Geological assessments suggests that extensions to mineralisation extend southward beneath a large area of alluvial cover. Silver City completed 451 metres of drilling in 60 RAB holes with results confirming a trend of subdued but consistent anomalism in zinc and lead for at least

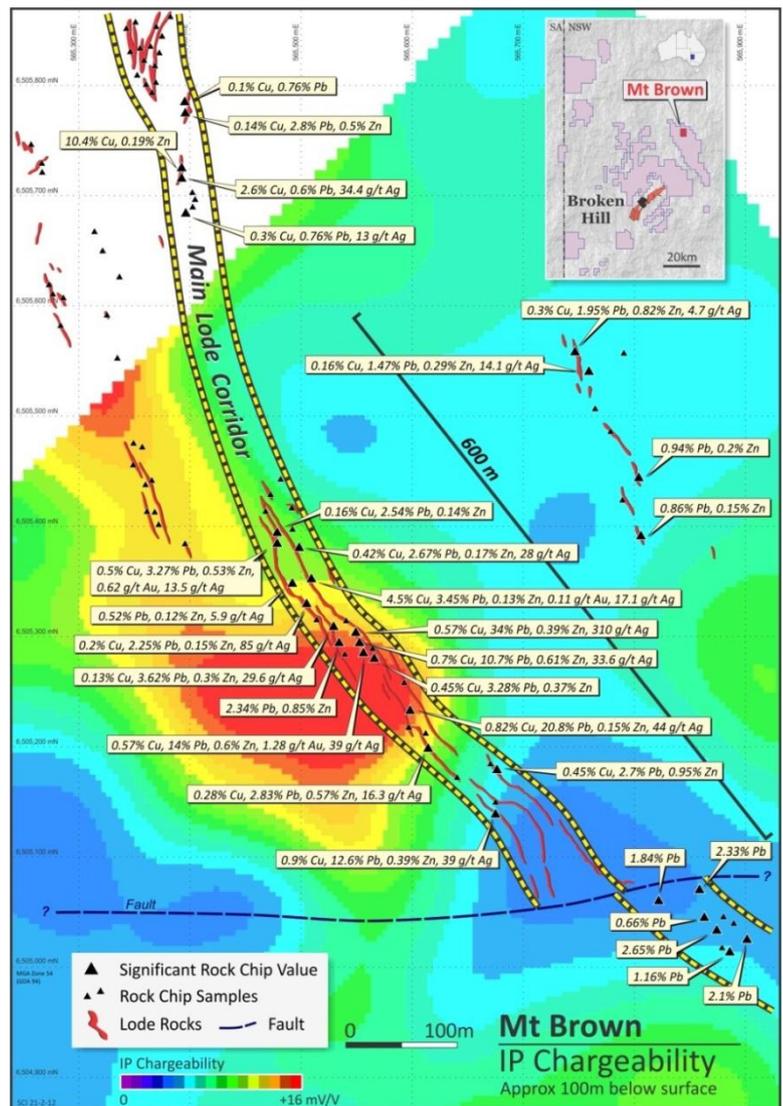


Figure 4 - Mount Brown showing IP chargeability, the Main Lode Corridor and outcropping lode rocks



650 metres beneath alluvial flats at Parnell South. Four RC drill holes have been planned to test this anomaly beneath the alluvial cover.

### **Native Dog**

This project is located on the Little Broken Hill Antiform, a zone of complex folding, containing rocks identical in age and character to those hosting the Broken Hill deposit. Silver City has conducted geological mapping over the tenement at 1:5000 scale, re-logged existing drill core and more recently compiled an extensive historic exploration database over the area. The company has identified lead-rich outcropping gossans, significant IP anomalies and areas of strong base metal and silver geochemistry which have never been drill tested. First-pass RC drilling is planned to test gossanous outcrops in areas of highly elevated geochemistry.

*PlatSearch's shareholding in Silver City is 14.3 million fully paid shares, or 14.6% of the company and 4.78 million options exercisable at \$0.25 each. As at 23 April 2013, SCI shares were trading at \$0.099. For further details refer to the Silver City website.*

### **WPG RESOURCES LTD**

WPG Resources (ASX: WPG) has released the results of its preliminary feasibility study (PFS) for the development of the Giffen Well iron project in South Australia. Giffen Well contains substantial Proterozoic BIF-hosted magnetite mineralisation.

The base case scenario includes the construction of an open cut mine and magnetite concentrator at Giffen Well, an open cut coal mine and power station at Penrhyn that will supply low cost energy to the iron ore operations and a rail spur line and infrastructure to allow concentrate export through WPG's land at Port Pirie. Initial plans are for a 30 year mine life to produce 5 million tonnes per annum of magnetite concentrate grading 68% Fe with low levels of impurities. The operating cost is reported as being in line with WPG's former Peculiar Knob DSO project which was sold in November 2011 and is now in production.

*PlatSearch holds 10.4 million fully paid WPG shares, or 4.2% of the company. As at 23 April 2013, WPG shares were trading at \$0.075. For further details refer to the WPG Resources website.*

### **AGUIA RESOURCES LIMITED**

Agua Resources (ASX: AGR) is an exploration company that has interests in substantial phosphate and potash projects in Brazil. Agua recently announced that JORC compliant resources have now been achieved at both the Lucena and the Tres Estradas phosphate projects in a jurisdiction that is heavily reliant on imports of phosphate rock and phosphate-based fertilisers. Both these projects have the potential for mineral resource expansion. Agua will continue its efforts to commercialise these projects through resource expansion, internal scoping and beneficiation test work.

*PlatSearch currently holds 1.185 million fully paid shares, as well as 200,000 options exercisable at \$0.50. As at 23 April 2013, Agua shares were trading at \$0.083. For further details refer to the Agua website.*



## BUSINESS DEVELOPMENT

As previously outlined, PlatSearch has identified a range of advanced and brownfield opportunities within Europe following detailed regional geological and metallogenic studies. Through its wholly owned European subsidiary, Variscan Mines SAS, the Company is progressing project acquisition work with a strong focus on France. The Company is currently in the advanced stages of the process to secure licences over projects within regions of demonstrated endowment to host large base and precious metal deposits.

The Company has assessed its current portfolio of exploration projects in Australia and is relinquishing lower priority properties. The Company is significantly reducing its landholding of projects in both NSW and SA and is scaling back direct exploration expenditures to assist in preserving its cash position.

## FINANCIAL

Cash expenditure by the PlatSearch group on exploration and project appraisal for the quarter was \$635,000. Expenditure by joint venturers on PlatSearch projects was \$108,000 for the quarter. Cash funds available for PlatSearch and for the Group at 31 March 2013 were \$8.6 million and \$10.4 million respectively. Eastern Iron is consolidated with PlatSearch NL, including its wholly owned subsidiary Bluestone 23 Pty Ltd (The Group).

### PlatSearch NL

**Greg Jones**  
Managing Director

*The information in this report that relates to Exploration Results is based on information compiled by Greg Jones, BSc (Hons), who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Jones is a Director of PlatSearch NL and has sufficient experience which is 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 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves".*

*Mr Jones consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*