

### MINDAX LIMITED **MT FORREST IRON PROJECT,** YILGARN IRON PROVINCE, WESTERN AUSTRALIA

"Emerging long term Steel Feed Producer"

Greg Bromley - Managing Director 15 April 2011

### Magnetite

#### Magnetite offers some important advantages:

- Magnetite material is a familiar feed in global steel making
- It is a processed product, high in Fe, very low in contaminants
- Concentrate quality is sustainable over a long period of time
- It commands a unit price at the top of prevailing price range
- DSO material on the other hand is slowly degrading in quality
- Each year sees lower Fe, higher Si and particularly, higher P
  - Opex and Capex are very positively influenced by orebody characteristics
  - Mt Forrest has those qualities
  - A unique opportunity exists for a long term enterprise

### Project competitiveness directly correlates with orebody quality



### Prospect to Market

	Curr	ent da	ate										
Project Milestones	2010 H1	2010 H2	2011 H1	2011 H2	2012 H1	2012 H2	2013 H1	2013 H2	2014 H1	2014 H2	2015 H1	2015 H2	Est. Cost (\$M)
Resource (1Bt, Infer, Ind)													3.5
Reserve Delineation (600Mt)													10
Environmental Impact Statement													0.5
Scoping Study													0.5
Pre-Feasibility Study													1
Metallurgical Test-work**						$\overline{\ }$							2
Rail & Port Study													0.5
PDD* & All Approvals													0.5
Process Design & Costing													2.5
Rail Infra Design & Cost													2.5
Definitive Feasibility Study									$\overline{\}$				5
Decision to mine (Long Lead Items)													450
Port Agreement & Capex													50
Plant Construction													1,188
Rail Construction (Third party)													0
Mining Commences												Z	100
		Scopi	ing Pre	Feas		DE	2						\$ <u>1,816</u>

### **Scoping Study pending**

## Project Development

#### **Scoping Study Completion April 2011**

Delayed pending resource update. Release expected before Easter

**Prefeasibility Completion January 2012** 

Scoping results expected to indicate robustness

YILGIRON

PTY LIMITED

YilgIron

**INFRASTRUCTURE** 

PTY LTD

Definitive Feasibility and Decision to Mine December 2012

First Oxide (DSO) shipments 2014

DSO-Oxide resource upgrade expected prior to Easter, will drive this.

Magnetite shipments late 2014



### Systematically working through the process

# High Quality Product

Mt Forrest aims to produce a high quality product from its superior resource:

- Sinter and Pellet products
- DRI and Blast Furness feeds
- 68-70% Fe concentrate grade
- Low Si, P
- initial production at 10 Mtpa
- >30 year mine life





### Long established Esperance Deep Water Port:

Government owned/Operated

• Regularly handles Cape Class and Panamax ships

- Open access
- Currently 13 Mtpa dominantly iron
- upgrading 2013 to 35 Mtpa
- new Oakajee Port on stream 2016





Letter of Intent

## Trunk Rail

Established Esperance-Goldfields Rail:

- Menzies to Esperance 500 km
- Government owned, private operator
- Open access
- Standard gauge
- Upgrade of 320km in progress (\$200M)



# Spur Rail

**Mt Forrest – Menzies Railhead:** 

- 160 km of new rail option
- 2D/3D studies in progress
- slurry alternative
- route licences secured
- third party provider interest



### Power and Water

### **Power Requirement:**

- 165 MW (includes pellet plant)
- Goldfields Gas Pipeline 90 km direct
- Passes Menzies
- Likely third party provider

#### Water Requirements:

- Licences in place
- 5.4 GL/pa target



### Resource Base

#### **Mt Forrest Resource Status:**

JORC Category	Mtonnes	Fe%
<b>TOTAL</b> (Inferred+Indicated)	1425.1	31.5
Indicated	82.9	32.4
Inferred *	670.5	32.5
Inferred PBM**	671.7	30.5
* Oct-Feb drilling		** carried forward

#### Largest magnetite resource in Province

Drilling has now successfully tested >200m below surface Update pending for DSO resource. Consultants – Snowdens, CSA Global

### **Concentrate Quality**

Area	Grind Size	No. of Sample	Fe %	DTR Wt %	Fe % Cons	P % Cons	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI % Cons	S % Cons
		S	Head				Cons	Cons		
Echidna	40μ	39	35.9	28.3	68.3	0.013	4.44	0.15	-2.29	0.017
Bungarra	40μ	5	35.2	31.9	69.8	0.011	2.79	0.047	-2.36	0.008
Euro	40μ	10	34.7	27.3	67.5	0.029	4.53	0.035	-1.12	0.003
Dingo	40μ	17	33.5	36.5	66.4	0.03	7.52	0.04	-1.95	0.07
Dingo	150µ	60	35.3	39.9	67.2	0.02	6.76	0.02	-2.81	0.31
Emu	40μ	210	33.9	35.5	68.5	0.014	5.32	0.04	-2.71	0.07
Emu	150µ	20	32.5	38.8	66.1	0.019	7.73	0.07	-2.07	0.28
Total		361	34.3	35.4	68.0	0.016	5.6	0.05	-2.56	0.11

Focus on knowing the quality of the resource, extensive sampling – Higher  $Fe_{head}$ , Higher  $DTR_{%recovered}$ , Higher  $DTR_{\%Fe}$ , Higher grain size

## Resource Geology

17 Km prospective iron formation - banded chert-magnetite synform within 50 sq Km of granted Mining Leases, mapped at 1:1000 scale

Primary mineralisation is magnetite-cherts with widespread epidote alteration generating coarse secondary magnetite.

Oxide zone includes hematite-goethite in high strain zones with enriched magnetitemartite development



### Resource Geology



### Section Emu South - DTC%Fe



#### **Emu South - Drill Section with DTR Concentrates**



### Section Parrot – DSO Materials



**Mt Forrest - Parrot - Drill Section with DSO Resource** 



# Mindax Capital Structure

Chairman Gilbert George

Managing Director Greg Bromley

Non-Executive Directors Andrew Tsang, Benjamin Chow

Company Secretary Angelo Francesca

#### MDX:AX www.mindax.com

A Tsang	21%
HSBC Nominees	16%
Lion Asiapac	<b>12%</b>
Founders	<b>12%</b>
Jupiter Mines	8%
Independent	31%



Listed	151.49M
Listed Options	64.94M
Unlisted Options	5.35M
VWAP (5 days)	40c
Market Cap	~\$60M
Cash March 31	\$4M



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### Competent Persons

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr John Vinar who is a member of the Australasian Institute of Mining and Metallurgy, with more than 5 years experience in the field of activity being reported on.Mr John Vinar is a full-time employee of the Company and has sufficient experience which is relevant to the style of mineralisation and type of deposit 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 Vinar consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

This estimate is reported under the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2004 Edition). The October 2010 estimate was carried out by Mr Chris Allen, BSc (Hons), MBA, MAIG of CSA Global Ltd who is a Member of the Australian Institute of Geoscientists (MAIG), and who 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 by the Code.Mr Allen who now works for Atlas Iron Limited consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

This estimate is reported under the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2004 Edition). The April 2011 estimate was carried out by Mr John Graindorge MAusIMM (CP) of Snowden Mining Industry Consultants Pty Ltd who is a Member of the Australian Institute of Mining and Metallurgy (MAusIMM), and who 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 by the Code.Mr Graindorge consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.