

Valence Industries

Manufacturing our Carbon Future

Asia Pacific I Europe I North America

May 2014

For personal

Christopher S. Darby CEO & MD

Deutsche Bank Presentation

Deutsche Bank



www.valenceindustries.com

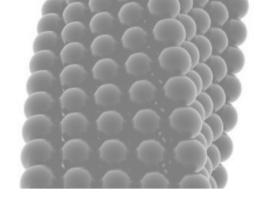
Valence (noun). the combining power of an element, especially as measured by the number of hydrogen atoms it can displace or combine with: carbon always has a valence of 4.

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ASX : VXL ASX : VXLO



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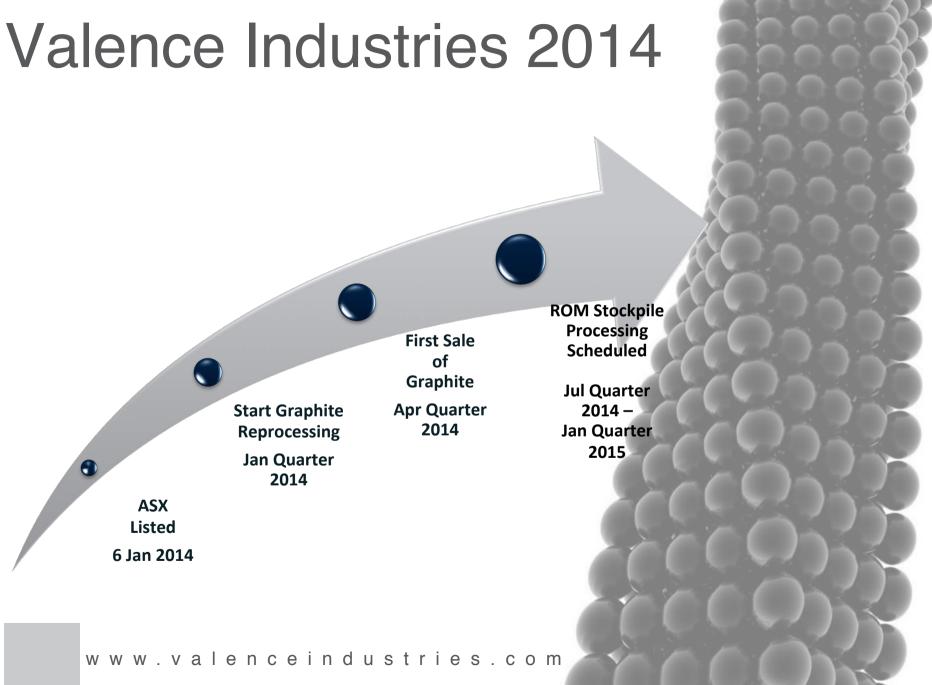
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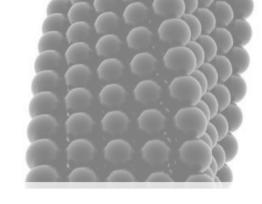


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Corporate Overview

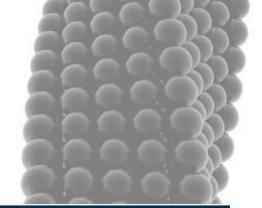
ASX Code: VXL & VXLO	
Ordinary Shares on issue	167.1m
Options on issue	70.0m
Market cap (@42 cents)	\$70.2m
Cash (End Q1 2014)	~\$8.1m
Debt	Nil



Volume('000)	Share Price	Performance an	d Volume	Price (\$)
5000	ı	ı	ı	0.600
4500 +				
4000 +		ſ	\bigvee	+ 0.500
3500 -		/	$\mathcal{N}_{\mathcal{A}}$	0.400
3000 +		\sim	•	0.400
2500 -	\wedge	\mathcal{M}		- 0.300
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1500		- 11		+ 0.200
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Jan 14	Feb 14	Mar 14	Apr 14	May 14



Corporate Overview

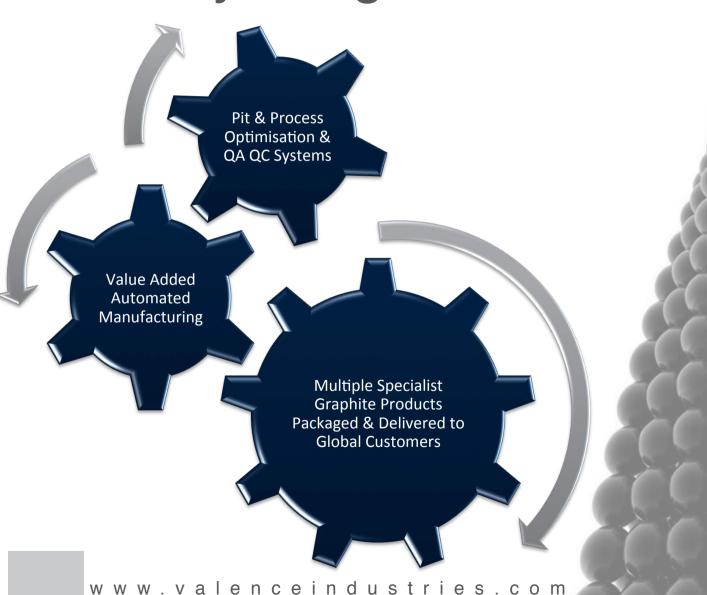


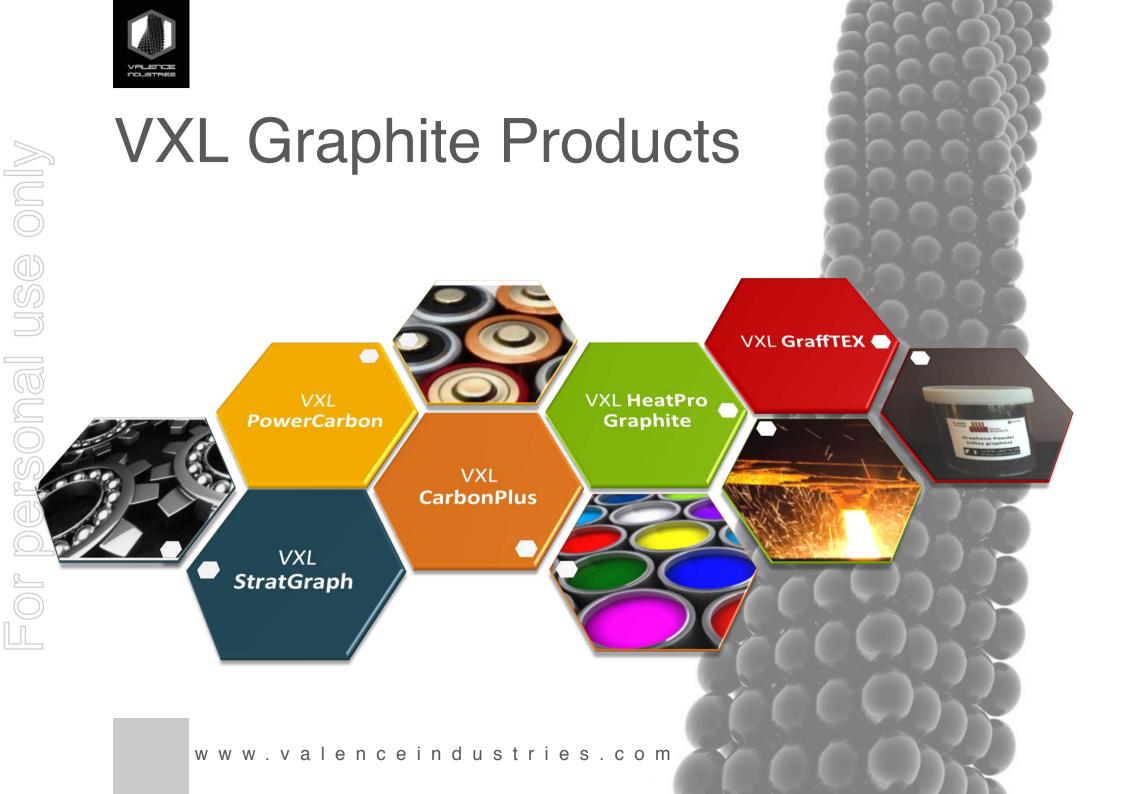
Major Shareholders				
Strategic Energy Resources Ltd (Restricted)	13.04%			
Avatar Energy Pty Ltd	4.60%			
EERC Australasia Pty Ltd	3.97%			
HSBC Custody Nominees (Australia) Ltd	3.20%			
Chimaera Capital Ltd	2.79%			
Top 20 shareholders hold 45.40%				

Directors & Senior Management
Graham Spurling AM, Chairman
Christopher S. Darby, CEO & MD
Glenister Lamont, Non-exec Director
lan Schache, Non-exec Director
Jarek Kopias, CFO & Co. Sec.
Karen Lloyd, GM Technical Delivery
David J. Salari (P.Eng), Chief Dev. Officer



Vertically Integrated Manufacturing







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Valence Industries Uley Graphite Main Road Open Pit #1 (JORC 2012)						
Lower Cutoff Resource Grade Tonnage Classification (% Graphitic Carbon) Control Cutoff Average Grade* (% Graphitic Carbon)						
Indicated	3.5	1.9	10.7%			
Inferred	3.5	4.5	5.5%			
Total 6.4 7.1%						

- No exploration drilling required to establish resource
- Existing resource open at depth
- Low cost open pit mining
- Existing Mining Licences

Valence ROM Stockpiles

Existing Stockpiles available for immediate processing

Stockpile	Volume m³	Average SG	Tonnes
1	25,903	1.7	44,035
2	18,161	1.7	30,874
3 & 4	ТВС	ТВС	ТВС

Independent Survey (Maptek 2014) ISO 9001 Assay (ALS Adelaide, 2014)



Uley Graphite Three Phases

Phase

Recommission 14000/t
Primary Process Circuit
2ndry Process Circuit
30+ Personnel
Start Manufacturing
9+ Month Stockpiles

First Customer Sales

t

New Plant Capex ~ \$34M

Expand Capacity by ~60000 tpa

New Open Pit Mining

Operate Existing
Facilities ~14000 tpa

90+ Personnel
Increase Sales

Phase III

Complete Studies

High Purity Processing
Significant Value Add
Direct Entry Tech &
Battery Markets

Associated Graphene
Research Program

New & Disruptive
Technologies

Advanced
Manufacturing



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Current Status

Company	Market	Market Cap (\$M)	Mining Licences	Plant & Infrastructure	Mine & Tailings Facilities	Sales Agreements	Fully Funded to Production	Production	Country / Jurisdiction
Valence Industries (VXL/VXLO)	ASX	70	YES	YES	YES	YES	YES	2014	AUSTRALIA
Flinders Resources (FDR)	TSX.V	21	YES	YES	YES	NO	YES	NO	SWEDEN
Mason Graphite (LLG)	TSX.V	55	NO	NO	NO	NO	NO	NO	CANADA
Syrah Resources (SYR)	ASX	560	NO	NO	NO	MOU	NO	NO	MOZAMBIQUE
Northern Graphite (NGC)	TSX.V	37	NO	NO	NO	NO	NO	NO	CANADA
Focus Graphite (FMS)	TSX.V	60	NO	NO	NO	MOU	NO	NO	CANADA
Energiser Resources (EGZ)	TSX.V	25	NO	NO	NO	NO	NO	NO	CANADA
Zenyetta (ZEN)	TSX.V	105	NO	NO	NO	NO	NO	NO	CANADA



VXL Strategic Advantages

Quality of Resource

Large Flake

No Impurity Challenges

Multiple Graphite Products

Traditional & New Markets

High Purity & Graphene Capability

Regional Infrastructure

23km to Major Regional City

Skilled Local Labour Force

> Industrial Manufacturing Industry Base

Roads, Power, Water

Multiple Product Transport Options

Operational Facilities

Existing Manufacturing Plant Refurb & Recom. Underway

Metallurgy Verified – Strong & Simple Processing

Ownership of Land for Phase I & Phase II Operations

Haul Roads & Power Supply In Place

Mining Licences & Retention Leases & Exploration Licence

Geopolitical

Low Sovereign Risk

Stable Political & Economic Base

Close to Key Asia Pacific Growth Markets

Seen as Preferred Supplier by Major Regional Customers

Government Support for Advanced Manufacturing

Growth Prospects

Only Graphite Operator in Australia

No Impediments to Production Expansion

Significant Future Exploration Targets

Graphene Product
Development &
Research Alliance
with Uni of Adelaide

High Purity Plant Strategy Commenced

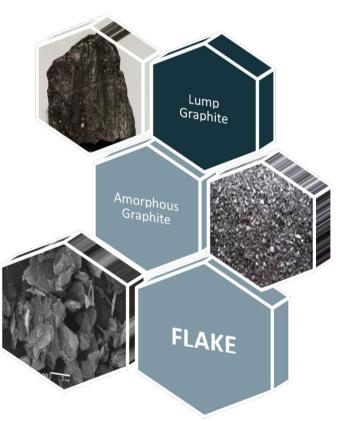


Valence Industries Global Graphite Market

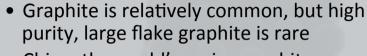


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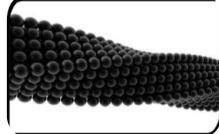
Graphite Facts



HIGH PURITY FLAKE GRAPHITE IS IN VERY LIMITED SUPPLY



• China, the world's major graphite producer is closing polluting operations



- Valence manufactures high purity flake graphite products for multiple applications
- Selling to traditional & new technologies

NEW
TECHNOLOGIES ARE
DRIVING DEMAND
FOR HIGH PURITY
FLAKE GRAPHITE

- New technologies require high purity graphite
- Valence's Uley graphite is very low in impurities





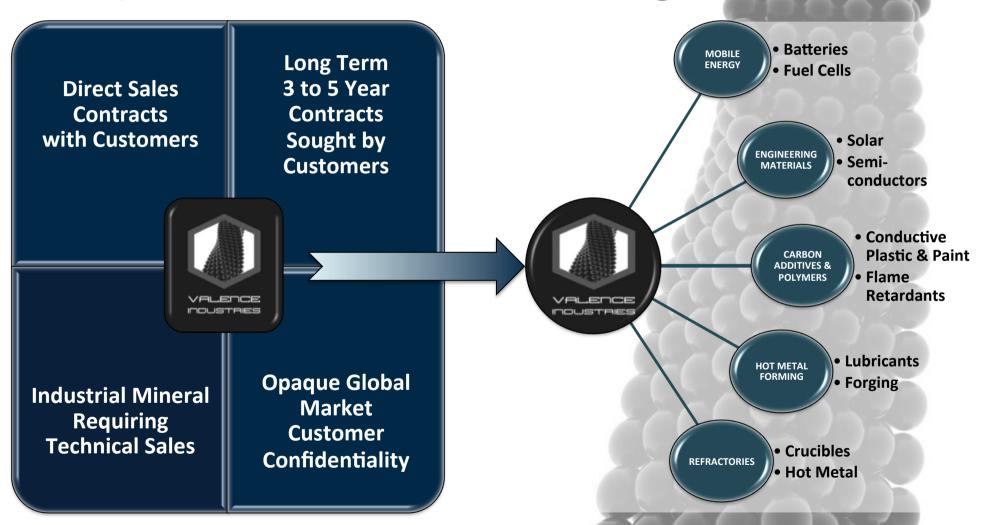
Graphite Facts

GRAPHITE DEMAND GROWTH IS DRIVEN BY ITS UNIQUE PROPERTIES AND BENEFITS IN BOTH TRADITIONAL & NEW TECHNOLOGIES **EXTREMELY STRONG** HEAT LIGHT **RESISTANT FLAKE GRAPHITE PROPERTIES** NON-**LUBRICANT CORROSIVE HIGHLY CONDUCTIVE** www.valenceindustries.com



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Graphite Sales & Pricing



Valence Industries has Graphite for Multiple Applications in Diverse Industries in New & Traditional Applications

Traditional Graphite Uses

- Established Base Industries
- Steady Volumes Growth
- VXL Global Demand Drivers
- Graphite Critical for Industry
- Valence Breadth & Depth of Market









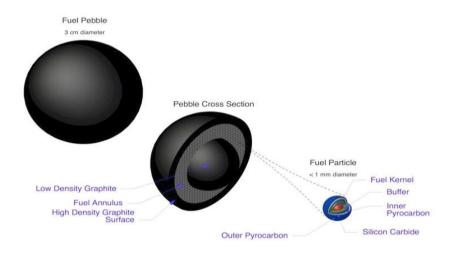
New Graphite Technology

- Li-Ion Batteries = Graphite Anode
- 40kg 140kg of Graphite per EV
- E-Bikes, E-Motorcycles & E-Scooters
- Large Scale Fuel Cells Could Double Demand Volumes (USGS 2012 Survey)
- Graphite foils
- Graphite Conductive Polymers
- Conductive Paints
- Solar Power Generation





New Graphite Technology



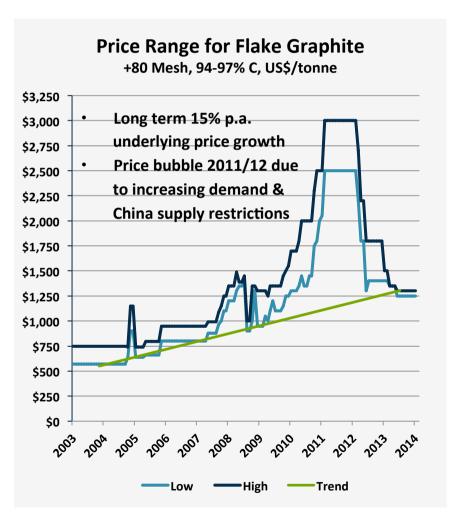
- Pebble Bed Nuclear Reactors
- Graphite Coating Uranium Balls
- Smaller & Safer Reactors
- Cost Effective Technology



- 3000 tonnes Graphite for startup
 1GW Reactor
- 1000 tonnes Graphite annually for 1 GW Reactor
- Link to Graphite Energy Storage Cells







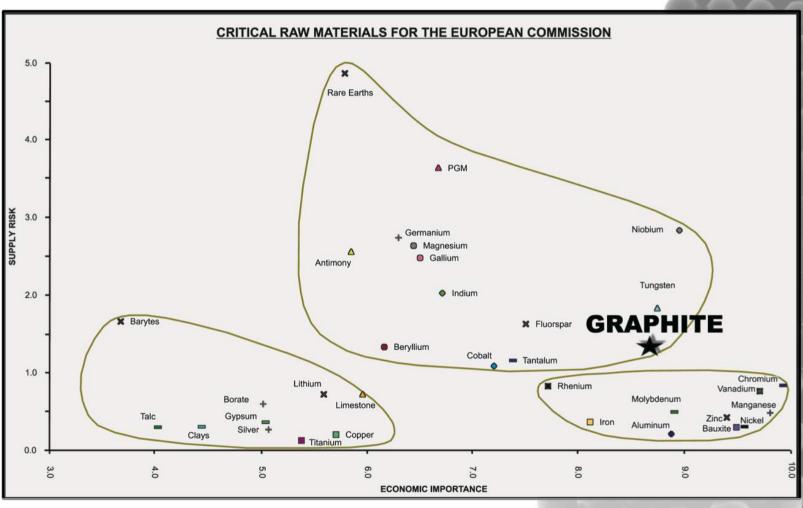
PRICE DRIVERS

- Long term growth in base markets
- UK & USA Supply Risk for Graphite
- Significant demand new markets
- Established production capability
- Quality is key to sustainable price
- Consistent and reliable supply
- Global delivery capability
- Market and customer knowledge

VXL Flake Graphite Pricing Range is US\$890 to US\$2500 per tonne



Critical Material

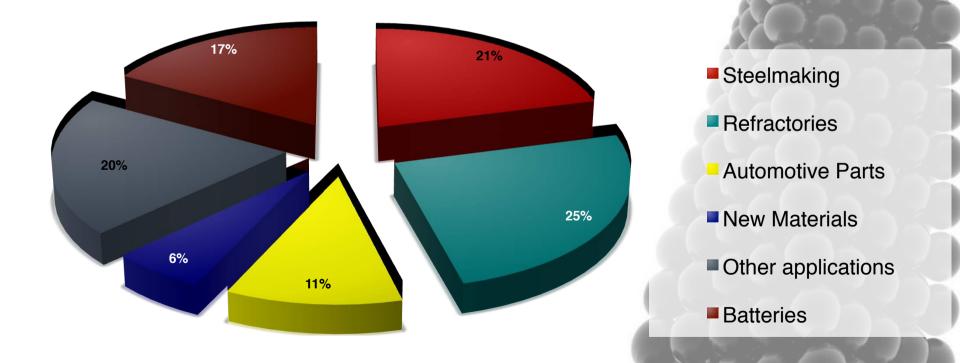


Strategic & Critical for industrial nations including USA & European Commission

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Global Production & Uses VXL Graphite

World Graphite Production 2014 1,573,000 tonnes





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VXL Product Ranges

- World class quality products
- Broad range of graphite products
- Globally diversified
- Vertically Integrated
- Near term revenue
- Extensive customer engagement





Illustrative of selected VXL 95% Graphite Products



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VXL Market Overview

Grade	Low US\$t	High US\$t
99% to 99.9% C, +400 mesh	\$3,500	\$35,000
94% to 97% C, +80 mesh	\$1,900	\$2,500
90% C, +80 mesh	\$1,250	\$1,375
94% to 97% C, -80 +100 mesh	\$1,650	\$1,795
90% C, -80 +100 mesh	\$1,070	\$1,150
85% to 87% C, -80 +100 mesh	\$989	\$1,020
94% to 97% C, +100 mesh	\$1,425	\$1,489
90% C, -100 mesh	\$975	\$1,050
Amorphous powder 80% to 85C	\$730	\$850
Synthetic 99.95% C2	\$6,200	\$19,000

Graphite	Pricing	Overview
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- Systematic price increase large flake
- New & Traditional Demand
- Demand for Quality Flake Graphite

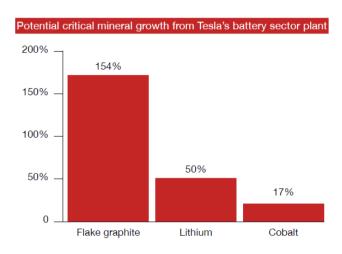
Country	2004 t	2008 t	2012 t	2014 t
China	678,230	799,554	924,283	967,805
India	116,268	137,066	182,828	220,348
Brazil	73,958	87,188	113,575	141,075
North Korea	29,067	34,267	40,707	43,707
Canada	27,129	31,982	40,493	87,710
Madagascar	14,534	17,134	20,354	22,376
Mexico	14,310	16,870	20,041	22,031
Czech Republic	9,689	11,422	16,069	22,308
Ukraine	7,267	8,567	10,177	16,145
Zimbabwe	9,948	11,728	13,932	15,315
Others	7,879	9,288	13,046	14,342
Total	988,279	1,165,066	1,395,505	1,573,162

World Graphite Production

- Demand / Supply Imbalance
- New Product Development
- Constrained supply from majors



VXL HP Graphite Market



- VXL High Purity 99.99%+ TGC
- Accelerating demand
- Favourable growth outlook
- EV Demand a game changer
- Energy storage far beyond EV





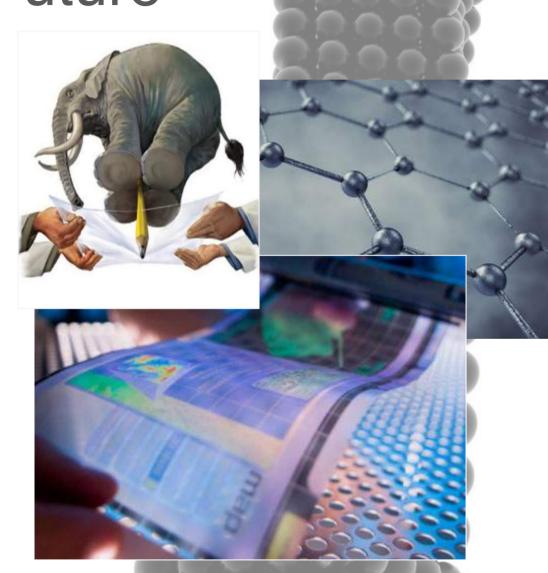


VXL Graphene Future

VXL Has Produced Graphene

- 1 Atom thick layer of graphite
- 1gm = 600m2 coverage
- 1000 x Electrical Capacity Cu
- 200 x Stronger Structural Steel
- 10 x Heat Conductivity of Cu
- Advanced Materials VXL GraffTEX
- University of Adelaide Partnership
- VXL Flake Graphite for Graphene
- Commercialisation Rights in Place

Graphene Sales Scheduled in 2014





Valence Industries Summary

Existing Facility

- Existing Graphite Resource, Mine & 14,000 tpa Processing infrastructure
- 6.4 Mt JORC 2012 Indicated &Inferred Resource @7.1% TGC + exploration upside
- Proven past production of high quality Flake Graphite

Production and Sales Commenced

- Initial sales of large flake >95% purity graphite commenced in April
- Processing of stockpiles continues in Jun Quarter 2014 and into Mar Quarter 2015
- Strong expressions of interest from major global customers

Rapid Growth Program

- New 60,000 tpa Phase II plant planned to be in production in 2015
- Scoping Study indicates manufacturing costs of <\$600/t & average pricing US\$1,400/t
- Finance Facilities to be in Place H2 2014 for New Plant Construction

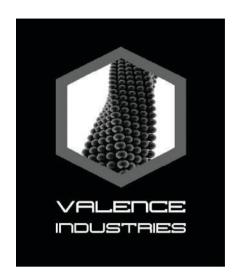
High Purity & Graphene

- Phase III High Purity program & Graphene programs ahead of schedule
- •Increase purity to >99.99% at estimated value of US\$5,500 to US\$10,000/tonne
- Graphene production confirmed & sales can commence in H2 2014



Contact

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