



**VALENCE
INDUSTRIES**

ASIA PACIFIC | EUROPE | NORTH AMERICA

ASX ANNOUNCEMENT

ASX: VXL & VXLO

Monday, 15 September 2014

DRILLING & PHASE II FEASIBILITY STUDY

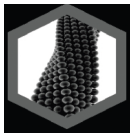
- Phase II feasibility study program envisages expansion of capacity by 50,000 tpa with flexibility to increase the Phase II plant to 100,000 tpa.
- On 1 September 2014 Valence Industries announced unique high-grade in-fill drilling results with 29.8% graphitic Carbon over 16m including 10m @ 38% graphitic Carbon, and further assay results are pending.
- Given the significance of the high-grade in-fill drilling results, the feasibility study is now being reviewed to optimise the Phase II development.

Phase II Feasibility Study

The purpose of the feasibility study is to define the program for mining the proposed new open pit (Uley Pit 2), evaluate the construction of a new Phase II graphite processing facility and assess the opportunities to market the Company's increased production into the growing global markets for graphite.

Valence Industries has been able to refine estimates and is able to announce some key preliminary conclusions, which will be verified as the feasibility study process continues:

Phase II Capital Cost (Capex)	A\$34M-A\$35M	This anticipated capex is consistent with the 2013 Scoping Study but includes the base infrastructure to allow for a proposed increase in future processing capacity (see below). The capex requirements remain relatively modest.
Phase II Operating Cost (Opex)	A\$450-A\$500 (per tonne of graphite concentrate)	The anticipated opex is lower than the A\$650 per tonne of graphite production as estimated in the 2013 Scoping Study. This opex level is considered to be globally competitive.
Average Sales Price	USD\$1,400 (per tonne of graphite concentrate)	This average sales price remains consistent with the anticipated average sales price expressed in 2013 Scoping Study. This confirmation is also supported by the current MOUs and ongoing negotiations with customers by Valence Industries.



Phase II Plant Capacity	<p>Phase IIA – 50,000 (tonnes of graphite concentrate per year)</p> <p>+</p> <p>Phase IIB – 50,000 (tonnes of graphite concentrate per year)</p>	<p>This capacity is consistent with the 50,000 tpa capacity planned in the 2013 Scoping Study but provides a new flexibility to increase output capacity by a further 50,000 tpa taking total Phase I and Phase II potential capacity to 114,000 tonnes of graphite concentrate each year.</p>
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Uley Pit 2	Open pit free-dig operations.	<p>Consistent with 2013 Scoping Study the in-fill drilling campaign has verified the ability to implement free dig open pit operations for the proposed Uley Pit 2 to feed the Phase I Plant and the Phase II Plant.</p>
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On the basis of the key initial conclusions from the feasibility study, Valence Industries is satisfied that Phase II expansion of operations at the Uley Graphite facilities will provide strong growth outcomes.

Valence Industries has now identified significantly higher grades of graphitic mineralisation with further assay results pending. In addition, visual inspection of the new *mineralised pegmatite zone* indicates the potential existence of a unique flake graphite mineralisation of considerable grade (assays pending). With this in mind Valence Industries intends to review the feasibility study in order to optimise the benefits to be gained from the higher-grade mineralisation identified, and the further assays to be received from the drilling program.

In particular the extension of the feasibility study program will consider:

Mineral Resource	The full nature and extent of the Mineral Resource that can be expressed from completing the analysis of the in-fill drilling results and updating the established JORC (2012) Mineral Resource. In particular, to incorporate the new results from the previously known area of graphitic mineralisation and the new <i>mineralised pegmatite zone</i> .
Mining Program	The opportunities presented to further optimise the proposed layout and mining optimisation for Uley Pit 2 and correspondingly deliver relevant adjustments to capital and operating costs. This may include re-assessment of optimal mining methods to recover both flake graphite material in the <i>mineralised pegmatite zone</i> alongside the extraction of the known flake-graphite mineralisation.
Process Program	The processing changes to take advantage of the high-grades in the area of previously known graphitic mineralisation and to factor in manufacturing from the new <i>mineralised pegmatite zone</i> . This is anticipated to be reflected in minor adjustments to the Phase II Plant design to optimise the value can be realised from both areas of high-grade graphitic mineralisation.



Market Program	Assessment of the flake sizing and product characteristics of the new grades of material and the potential applications and associated market opportunities. Valence Industries recently completed metallurgical test drilling to provide samples to assess the metallurgical characteristics. The metallurgical testing results will inform the potential for further market opportunities from the new high-grade areas.
Economics	Review and reassessment of the opex, capex and resultant economics for the Phase II expansion program in light of the advantages to be achieved from both the new high-grade material from the previously known areas of graphitic mineralisation and from the new <i>mineralised pegmatite zone</i> .

The revision of the feasibility study program is underway and is not anticipated to involve fundamental reengineering or redesign. The updated feasibility study program will be completed over the coming months. Valence Industries proposes to implement as soon as possible those stages of Phase II that can commence early. This may include preparation of Uley Pit 2, baseline civil work, preparatory infrastructure, longer lead time orders, detailed design and engineering and early contractor involvement (ECI).

The feasibility study program will be pursued in parallel with the re-commissioning of the Phase I Plant to process the existing run-of-mine stockpiles. That Phase I program is tracking well to commence production subject to receipt of the revised regulatory works approval (PEPR) from the South Australian government.

Valence Industries will continue to receive assay results over the coming weeks and will interpret and express those results in the context of the established JORC (2012) Mineral Resource.

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The information in this announcement that relates to the in situ Mineral Resources is based on, and fairly represents, the Mineral Resources and information and supporting documentation extracted from the report, which was prepared by a competent person in accordance with the JORC Code (2012 edition) and released to ASX by the Company on 18 November 2013. 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. All material assumptions and technical parameters underpinning the Mineral Resource estimates in that previous release continue to apply and have not materially changed.

Competent Persons Statement – In-Fill Drilling Campaign

The information in this announcement that relates to the Mineral Resources pertaining to the Company's in-fill drilling campaign results is based on information compiled by Ms Karen Lloyd, who has been engaged as General Manager – Technical Delivery by Valence Industries. Ms Lloyd is a Member of the Australian Institute of Mining and Metallurgy. Ms Lloyd has sufficient experience that is relevant to the style of



mineralisation and type of deposit under consideration and to the activities being undertaken to qualify as Competent Persons as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Ms Lloyd consents to the inclusion in this release of the matters based on their information in the form and context as it appears.

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VALENCE INDUSTRIES

About Valence Industries & Graphite Manufacturing

Valence Industries (ASX:VXL & VXLO) is the owner and operator of the only graphite mining and manufacturing facilities in Australia located at Uley in South Australia near the major regional centre of Port Lincoln. In April 2014 and just four months after listing on the ASX, Valence Industries achieved the first sales of graphite by an Australian company in more than 20 years and recently signed MoUs for the supply of 80,000 tonnes of graphite over a period of 2+ years.

The Company is bringing its existing plant and substantial infrastructure into production in Phase I with a focus on global markets across multiple graphite product ranges. Graphite production will commence in the second half of 2014, with plans for expanded mining and graphite manufacturing in Phase II increasing through 2015.

Located only 23 kilometres from Port Lincoln, the regional centre for the Lower Eyre Peninsula in South Australia, Valence Industries' Uley Graphite project is recognised as a significant area of graphite mineralisation, and one of the largest coarse flake graphite deposits in the world. The deposit contains disseminated, high-grade flake graphite and the mineralisation is near surface, with the final manufactured graphite products recognised and purchased by many customers for its high quality.

The company holds two existing Mining Leases and two associated Retention Leases, along with an extensive Exploration Licence, for the conduct of its operations. The company anticipates regulatory works approval verification during the September Quarter of 2014.

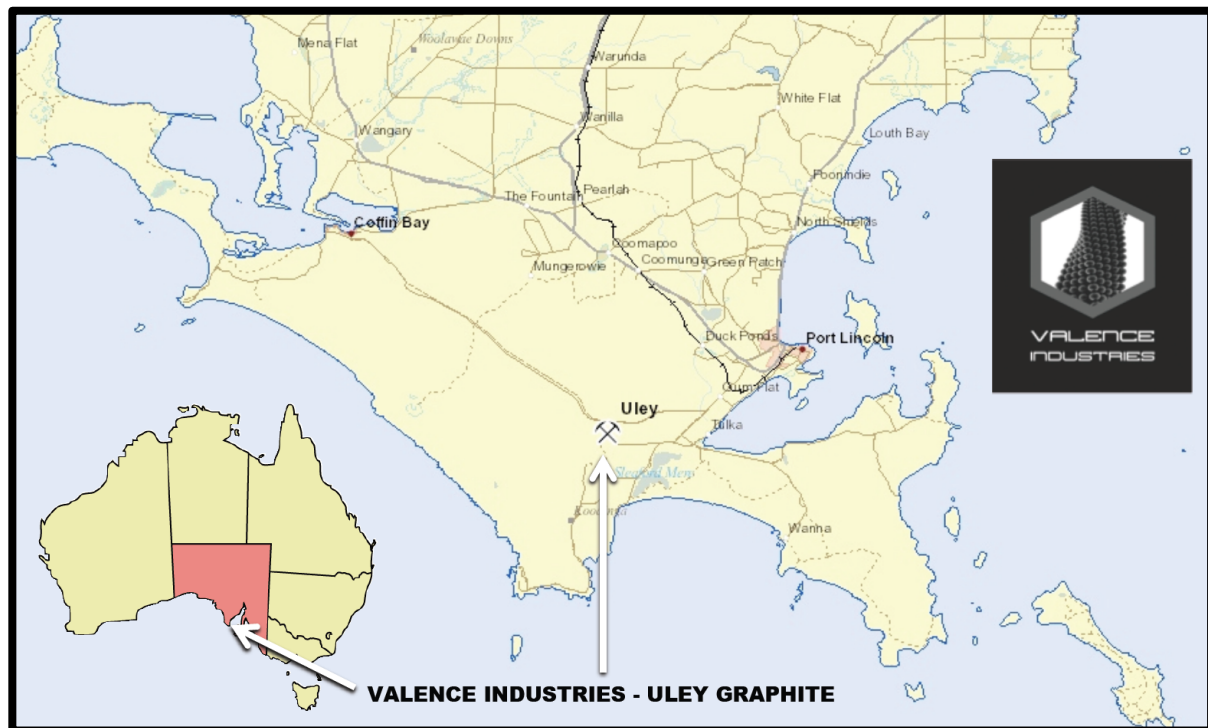
Valence Industries is in the fortunate position of owning the land on which its current and proposed expanded operations are conducted along with the extensive existing infrastructure.

Manufacturing A New Carbon Future & Advanced Graphene Program

The Company operates as an industrial manufacturer of high-grade flake graphite products for distribution and sale to global markets. Valence Industries owns established processing facilities and infrastructure to manufacture a wide range of graphite product lines for multiple applications and multiple industries.

The Company produces and sells its graphite products from its Uley Graphite facilities in regional South Australia for delivery to diversified markets for graphite in the Asia Pacific, Europe and North America. As a vertically integrated manufacturer of specialist graphite product ranges Valence Industries' branded products are designed to meet current and future customer demand.

The Company is also pursuing research into advanced fields and applications for graphite. That program includes the relationship with the University of Adelaide for the establishment of a dedicated Graphene Research Centre in Adelaide. Graphene is one of the most significant steps forward in the world of advanced materials with the potential for transformative and disruptive technologies and the leading research in this area from the University of Adelaide on natural flake graphite has originated from work on the Company's Uley Graphite. The Graphene Research Centre program will see the development and commercialisation of processes and products for the application of graphene.



**VALENCE INDUSTRIES
ULEY GRAPHITE MINING & MANUFACTURING SITE
SOUTH AUSTRALIA, AUSTRALIA**