

ASX ANNOUNCEMENT

7 SEPTEMBER 2023

## NEW OPTION AGREEMENT SIGNED FOR VANADIUM PROCESSING PLANT LAND

*Option to purchase land for Australian Vanadium Project development*

### KEY POINTS

- AVL has signed a new option agreement to purchase land to locate its processing plant at Tenindewa, 60km from the port city of Geraldton in Western Australia.
- The new option agreement allows AVL to subdivide and purchase a portion of the land under option, in order to locate and construct a vanadium processing plant, subject to planning approvals.
- The site's location enables the utilisation of existing natural gas, water, road, rail and power infrastructure.

Australian Vanadium Limited (ASX: AVL, "the Company" or "AVL") has signed a new option agreement ("New Option Agreement") with the land owner of the proposed location for its vanadium processing plant ("Processing Plant") at Tenindewa, 60km east of Geraldton in Western Australia, for the Australian Vanadium Project ("Project").

In October 2019<sup>1</sup> and October 2020<sup>2</sup> AVL announced that it had extended and signed an option agreement to purchase land for the Processing Plant. The Company has now signed the New Option Agreement which replaces the previous option agreement and allows AVL to define, subdivide and purchase a portion of the land under option ("Option Land").

The New Option Agreement relates to an area of 1,334 acres, with a purchase price of \$4,000 per acre ("Purchase Price"), reflecting current market prices in the region. The Purchase Price is payable in either cash or shares in the Company, or a combination of both, at the owner's election. The number of AVL shares to be issued, if any, will be determined by using the 5-day VWAP immediately preceding the date of payment.

CEO, Graham Arvidson comments, "AVL is pleased to have worked with the landowners of the Tenindewa processing plant location to establish an option agreement which benefits both parties. We continue to progress our 'pit to battery' strategy as we move the Project towards production."

<sup>1</sup> See ASX announcement dated 29 October 2019 'Option Agreement to Locate Vanadium Processing Plant near Geraldton, WA'

<sup>2</sup> See ASX announcement dated 21 October 2020 'AVL Extends Geraldton Region Vanadium Processing Plant Land Option'

The New Option Agreement provides for two 12 month option terms. The option fee for the first option term of \$53,360 (plus GST) is payable immediately in cash. AVL may exercise the second option term by issuing notice and paying the second option fee by 4 September 2024. The option fee for the second option is to be paid in shares in AVL with the value of \$53,360 (plus GST), with the number of shares to be determined as for the first option.

The consent of the Western Australian Planning Commission is required to subdivide the Option Land. Under the New Option Agreement, AVL is granted a licence to access the Option Land immediately for the purpose of drilling, engineering, surveying and excavation.

The New Option Agreement also contains provisions allowing AVL to lease back to the landowner those parts of the Option Land that AVL does not intend to use for the Project, or to sell back the Option Land to the landowner at the Purchase Price in certain circumstances.



Figure 1 - Proposed Location of Processing Plant

The Project's minesite is located approximately 40km south of the mining town of Meekatharra in Western Australia. AVL will undertake crushing, milling and beneficiation of vanadium bearing magnetite ore at the minesite location and transport the resulting concentrate to the proposed Processing Plant near Geraldton, where final refinement to high-quality, high-value vanadium products and an iron-titanium coproduct will take place.

For further information, please contact:

**Graham Arvidson, CEO** +61 8 9321 5594

*This announcement has been approved in accordance with the Company's published continuous disclosure policy and has been approved by the Board*

## ABOUT AUSTRALIAN VANADIUM LTD

AVL is a resource company focused on vanadium, seeking to offer investors a unique exposure to all aspects of the vanadium value chain – from resource through to steel and energy storage opportunities. AVL is advancing the development of its world-class Australian Vanadium Project at Gabanintha. The Australian Vanadium Project is one of the most advanced vanadium projects being developed globally, with 239Mt at 0.73% vanadium pentoxide ( $V_2O_5$ ), containing a high-grade zone of 95.6Mt at 1.07%  $V_2O_5$  and an Ore Reserve of 30.9Mt at 1.09%  $V_2O_5$  comprised of a Proved Reserve of 5Mt at 1.11%  $V_2O_5$  and a Probable Reserve of 20.4Mt at 1.07%  $V_2O_5$ , reported in compliance with the JORC Code 2012 (see ASX announcement dated 1<sup>st</sup> November 2021 *'Mineral Resource Update at the Australian Vanadium Project'* and ASX announcement dated 6<sup>th</sup> April 2022 *'Bankable Feasibility Study for the Australian Vanadium Project'*).

VSUN Energy is AVL's 100% owned renewable energy and energy storage subsidiary which is focused on developing the Australian market for vanadium flow batteries for long duration energy storage. VSUN Energy was set up in 2016 and is widely respected for its VFB expertise. AVL's vertical integration strategy incorporates processing vanadium to high purity, manufacturing vanadium electrolyte and working with VSUN Energy as it develops projects based on renewable energy generation and VFB energy storage.

## APPENDIX 1

The Australian Vanadium Project – Mineral Resource estimate by domain and resource classification using a nominal 0.4% V<sub>2</sub>O<sub>5</sub> wireframed cut-off for low-grade and nominal 0.7% V<sub>2</sub>O<sub>5</sub> wireframed cut-off for high-grade (total numbers may not add up due to rounding).

Zone	Category	Mt	V <sub>2</sub> O <sub>5</sub> %	Fe %	TiO <sub>2</sub> %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI %
HG	Measured	11.3	1.14	43.8	13.0	9.2	7.5	3.7
	Indicated	27.5	1.10	45.4	12.5	8.5	6.5	2.9
	Inferred	56.8	1.04	44.6	11.9	9.4	6.9	3.3
	<b>Subtotal</b>	<b>95.6</b>	<b>1.07</b>	<b>44.7</b>	<b>12.2</b>	<b>9.1</b>	<b>6.8</b>	<b>3.2</b>
LG	Indicated	54.9	0.50	24.9	6.8	27.6	17.1	7.9
	Inferred	73.6	0.48	25.0	6.4	28.7	15.4	6.6
	<b>Subtotal</b>	<b>128.5</b>	<b>0.49</b>	<b>24.9</b>	<b>6.6</b>	<b>28.2</b>	<b>16.1</b>	<b>7.2</b>
Transported	Inferred	14.9	0.66	29.0	7.8	24.5	15.1	7.8
	<b>Subtotal</b>	<b>14.9</b>	<b>0.66</b>	<b>29.0</b>	<b>7.8</b>	<b>24.5</b>	<b>15.1</b>	<b>7.8</b>
Total	Measured	11.3	1.14	43.8	13.0	9.2	7.5	3.7
	Indicated	82.4	0.70	31.7	8.7	21.2	13.5	6.2
	Inferred	145.3	0.71	33.0	8.7	20.7	12.0	5.4
	<b>Subtotal</b>	<b>239.0</b>	<b>0.73</b>	<b>33.1</b>	<b>8.9</b>	<b>20.4</b>	<b>12.3</b>	<b>5.6</b>

The Australian Vanadium Project - Ore Reserve Statement as at April 2022, at a cut-off grade of 0.7% V<sub>2</sub>O<sub>5</sub>.

Ore Reserve	Mt	V <sub>2</sub> O <sub>5</sub> %	Fe%	TiO <sub>2</sub> %	SiO <sub>2</sub> %	LOI%	V <sub>2</sub> O <sub>5</sub> production kt	Ore Reserve	Mt
Proved	10.5	1.11	61.6	12.8	9.5	3.7	70.9	Waste	238.5
Probable	20.4	1.07	63.4	12.2	9.2	3.0	152.9	Total Material	269.4
<b>Total Ore</b>	<b>30.9</b>	<b>1.09</b>	<b>62.8</b>	<b>12.4</b>	<b>9.3</b>	<b>3.2</b>	<b>223.8</b>	Strip Ratio	7.7

## ASX CHAPTER 5 COMPLIANCE AND CAUTIONARY AND FORWARD-LOOKING STATEMENTS

### *ASX Listing Rules 5.19 and 5.23*

#### **ASX Listing Rule 5.19**

The information in this announcement relating to production targets, or forecast financial information derived from a production target, is extracted from the announcement entitled 'Bankable Feasibility Study for the Australian Vanadium Project' released to the ASX on 6<sup>th</sup> April 2022 which is available on the Company's website [www.australianvanadium.com.au](http://www.australianvanadium.com.au).

The Company confirms that all material assumptions underpinning the production target, or the forecast financial information derived from a production target, in the original market announcement continue to apply and have not materially changed.

#### **ASX Listing Rule 5.23**

The information in this announcement relating to exploration results and mineral resource and ore reserve estimates for the Australian Vanadium Project is extracted from the announcement entitled 'Bankable Feasibility Study for the Australian Vanadium Project' released to the ASX on 6<sup>th</sup> April 2022 which is available on the Company's website [www.australianvanadium.com.au](http://www.australianvanadium.com.au).

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 that all material assumptions and technical parameters underpinning the estimates in the original 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.

#### **Forward-Looking Statements**

This release may contain certain forward-looking statements with respect to matters including but not limited to the financial condition, results of operations and business of AVL and certain of the plans and objectives of AVL with respect to these items.

These forward-looking statements are not historical facts but rather are based on AVL's current expectations, estimates and projections about the industry in which AVL operates and its beliefs and assumptions.

Words such as "anticipates," "considers," "expects," "intends," "plans," "believes," "seeks," "estimates", "guidance" and similar expressions are intended to identify forward looking statements and should be considered an at-risk statement. Such statements are subject to certain risks and uncertainties, particularly those risks or uncertainties inherent in the industry in which AVL operates.

These statements are not guarantees of future performance and are subject to known and unknown risks, uncertainties, and other factors, some of which are beyond the control of AVL, are difficult to

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predict and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements. Such risks include, but are not limited to resource risk, metal price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks in the countries and states in which we sell our product to, and government regulation and judicial outcomes. For more detailed discussion of such risks and other factors, see the Company's Annual Reports, as well as the Company's other filings.

AVL cautions shareholders and prospective shareholders not to place undue reliance on these forward-looking statements, which reflect the view of AVL only as of the date of this release.

The forward-looking statements made in this announcement relate only to events as of the date on which the statements are made.

AVL will not undertake any obligation to release publicly any revisions or updates to these forward-looking statements to reflect events, circumstances or unanticipated events occurring after the date of this announcement except as required by law or by any appropriate regulatory authority.