



CRITICAL MINERALS GROUP

N O O S A M I N I N G
C O N F E R E N C E

I N V E S T O R
P R E S E N T A T I O N

NOVEMBER 2022

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Competent Persons Statement

The information in this presentation that relates to the exploration results, exploration targets and mineral resources at the Lindfield Project (EPM 27872), Figtree Creek Project (EPM 27998) and Lorena Surrounds Project (EPM 27999) was first reported by CMG in its prospectus dated 25 May 2022 (**Prospectus**). CMG confirms that it is not aware of any new information or data that materially affects the information included in the Prospectus, and that all material assumptions and technical parameters underpinning the exploration results, exploration targets and mineral resources in the Prospectus continue to apply and have not materially changed.

The information in this presentation that relates to the exploration results, exploration targets and mineral resources at the Whinmoor Project (EPM 28631 application), Lara Downs Project (EPM 28635 application) and Lindfield North Project (EPM 28636 application) was first reported by CMG in its announcement dated 19 October 2022. CMG confirms that it is not aware of any new information or data that materially affects the information included in the announcement date 19 October 2022, and that all material assumptions and technical parameters underpinning the exploration results, exploration targets and mineral resources

in the announcement continue to apply and have not materially changed.

Announcements

This presentation should also be read in conjunction with CMG's Prospectus, the CMG Annual Report for 2022 and the CMG September 2022 Quarterly Activities Report, together with any announcement made by CMG in accordance with its continuous disclosure obligations including but not limited to the following ASX releases:

- 27 September 2022 – CMG – Commencement of Trading
- 12 October 2022 – Commencement of Drilling at Lindfield Vanadium Project
- 19 October 2022 – New Tenement Applications
- 27 October 2022 – Company Presentation – October 2022
- 28 October 2022 – Figtree Creek and Lorena Surrounds Tenements Granted
- 2 November 2022 – Completion of drilling at Lindfield Vanadium Project.



We're meeting the growing demand for minerals critical to ensuring a carbon neutral future.

Our ESG Vision

Corporate Snapshot

Vanadium Development in a premium jurisdiction

| | |
|-----------------------------------|---------|
| Total Share on Issue | 44.08M |
| Options (@ \$0.25) | 8.36M |
| Cash | \$4.1M |
| Market Capitalisation (undiluted) | \$9.25M |
| Share Price (08/11/22) | \$0.21 |

Major Shareholders

| | |
|------------------------------|---------------|
| Top 20 | 79.7% |
| Idemitsu Australia | 32.22% |
| Founders, Management & Board | 27.9% |



Significant Shallow JORC resource¹

210Mt @ 0.39% V₂O₅ Inferred JORC resource, from surface.



Established mining region in Julia Creek QLD

Supported by existing infrastructure, road, rail, power & port.



Significant government incentives

Government policy creating investment tailwinds for critical minerals.



Project development underway²

24 hole drill program completed October 2022 with metallurgical studies commencing Q4 2022.

1. Refer to CMG's prospectus dated 25 May 2022 (**Prospectus**). The information in this presentation that relates to the mineral resource estimates for CMG's Lindfield Project (EPM 27872) was first reported by CMG in its Prospectus. CMG confirms that it is not aware of any new information or data that materially affects the information included in the Prospectus, and in the case of estimates of mineral resources, that all material assumptions and technical parameters underpinning the estimates in the Prospectus continue to apply and have not materially changed.

2. Refer to CMG's ASX announcements dated 12 October 2022 and 2 November 2022.

Board & Management



Alan Broome. AM
Chairman

- Extensive Mining & Board experience
- NED of DDH1 (ASX: DDH)
- Emeritus Chairman of Austmine
- Chairman of Strategic Minerals Plc (AIM: SML.L)
- Advisory Council to the CSIRO’s Mineral Resources Sector
- Chairman of New Age Exploration (ASX: NAE)
- Awarded the Order of Australia (AM) for services to mining



Scott Drelincourt
Managing Director

- Geologist and Founding Director
- Proven executive with 16 years industry experience
- 6 years experience working on Julia Creek Vanadium projects
- Extensive resources experience from Greenfields exploration and early stage development through to mining operations



Art Malone
Non-Exec Director

- Senior Energy and Resources Executive.
- 15 years managing large scale projects in the resource sector.
- Director of CopperCorp Pty Ltd an unlisted Cloncurry Copper Gold exploration project.
- Managing Director of Peak Helium



Toni Myers
Company Secretary

- Toni is an experienced corporate lawyer drawing on over 12 years of practice within the legal industry. Toni has held a broad range of roles from private practice (both in top tier and boutique firms) through to government and inhouse roles.
- Toni has aided companies by advising on and assisting with various Corps Act, Listing Rules and regulatory compliance for multiple junior exploration companies.

Lindfield Inferred JORC

VANADIUM PROJECT^{1,2}

The Lindfield Vanadium resource is our flagship project, ready to develop and meet the growing demand for this critical mineral.



Potential HBA & Mo

Additional potential minerals; High Purity Aluminum and Molybdenum. The recent drill program and test work aim to identify any potential additional resources.



Limited Contaminants

Limited contaminants (for batteries) such as titanium from hard rock deposits likely lowering processing costs.



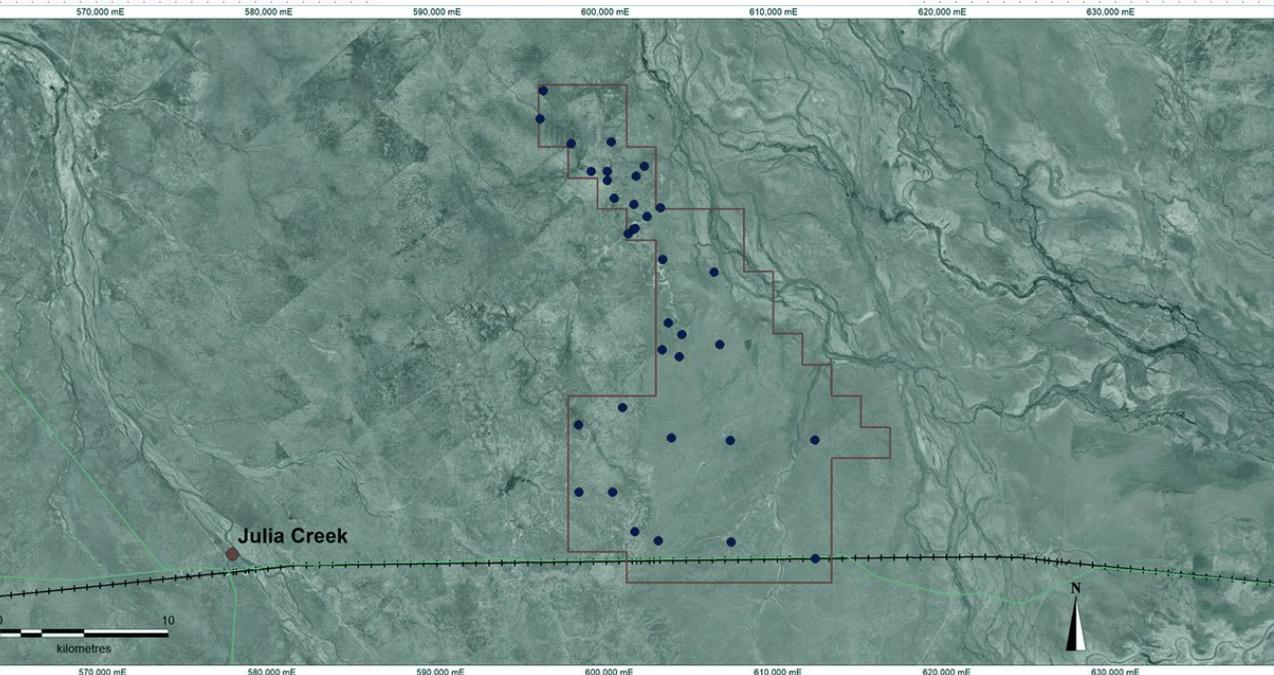
Shallow

Shallow resource starting at surface, down to a depth of approximately 35 meters.



Inferred JORC

Inferred JORC resource of 210Mt with a grade of 0.39% V₂O₅ from surface. The site has 68 drill holes within the tenement, with a resource upgrade underway.



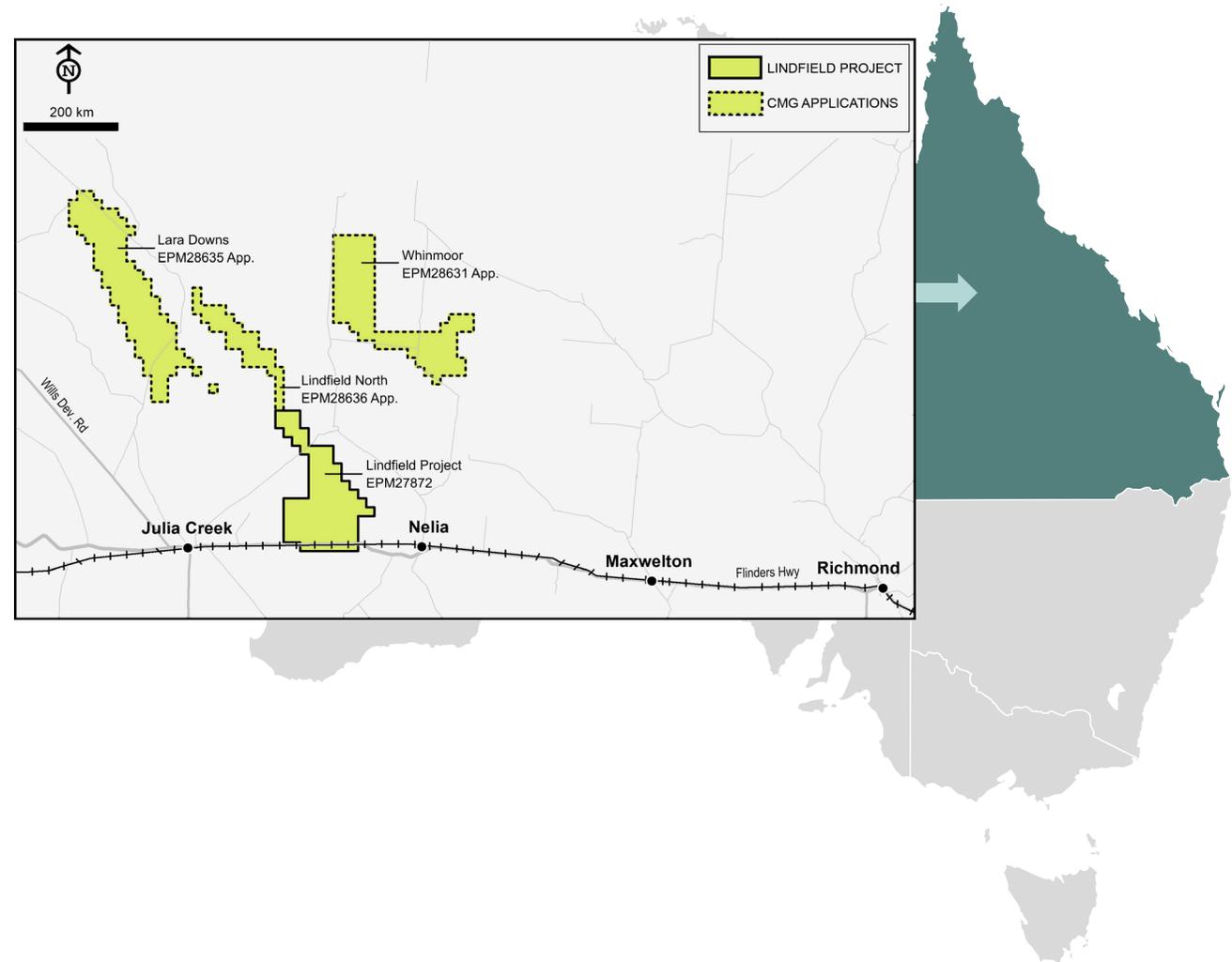
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2. Refer to CMG's ASX announcements dated 12 October 2022 and 2 November 2022.

Location & Infrastructure

295km² tenement in the North West Mineral Province of Queensland located 30km from Julia Creek.

Surrounded by advanced vanadium projects including Multicom Resources' St Elmo Project (Mining Lease) and Richmond Vanadium Technology's Lilyvale Project.



Power

Mains grid access for power

Rail & Roads

Intersected by rail system and Flinders Hwy

Water

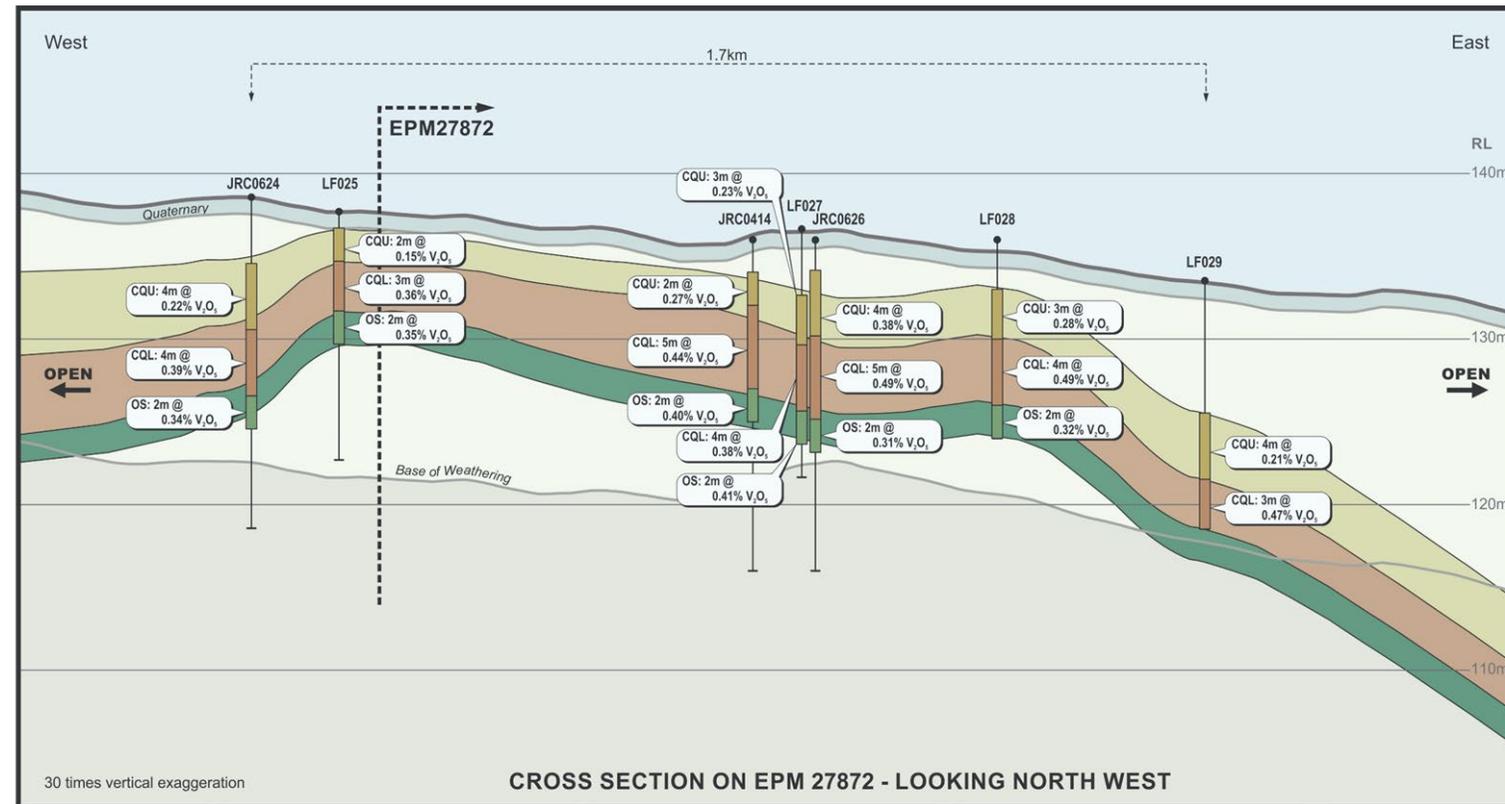
Available surface water

Port

Abbot Point terminal
650km via road and rail

Unique Deposit Shale Based From Surface

- Ore is soft and at surface requiring no drill and blasting or milling
- Depth advantage = low strip ratio and amenable to standard open cut mining
- Geology gives the deposit an advantage for beneficiation allowing for higher V2O5 concentrate upgrade through floatation separation
- This gives oxidized shallow vanadium deposits a significant advantage over titanomagnetite deposits (hard rock). Resulting in less complex processing, reducing the overall CAPEX and OPEX.



Vanadium Redox Flow Batteries

- VRFB's are poised to play a significant role as a large-scale, long-duration energy storage solution
- Superior life of approximately 30 years
- Can hold charge for long periods
- No flammable, explosion or toxicity risk, and batteries do not deteriorate
- Highly recyclable/reusable
- VRFB manufacturers are actively seeking supply unsuccessfully
- Largest VRFB located in Dalian China with 100MW/400MWH to be scaled up to 800MWH. Holds 9000 tonnes of V2O5

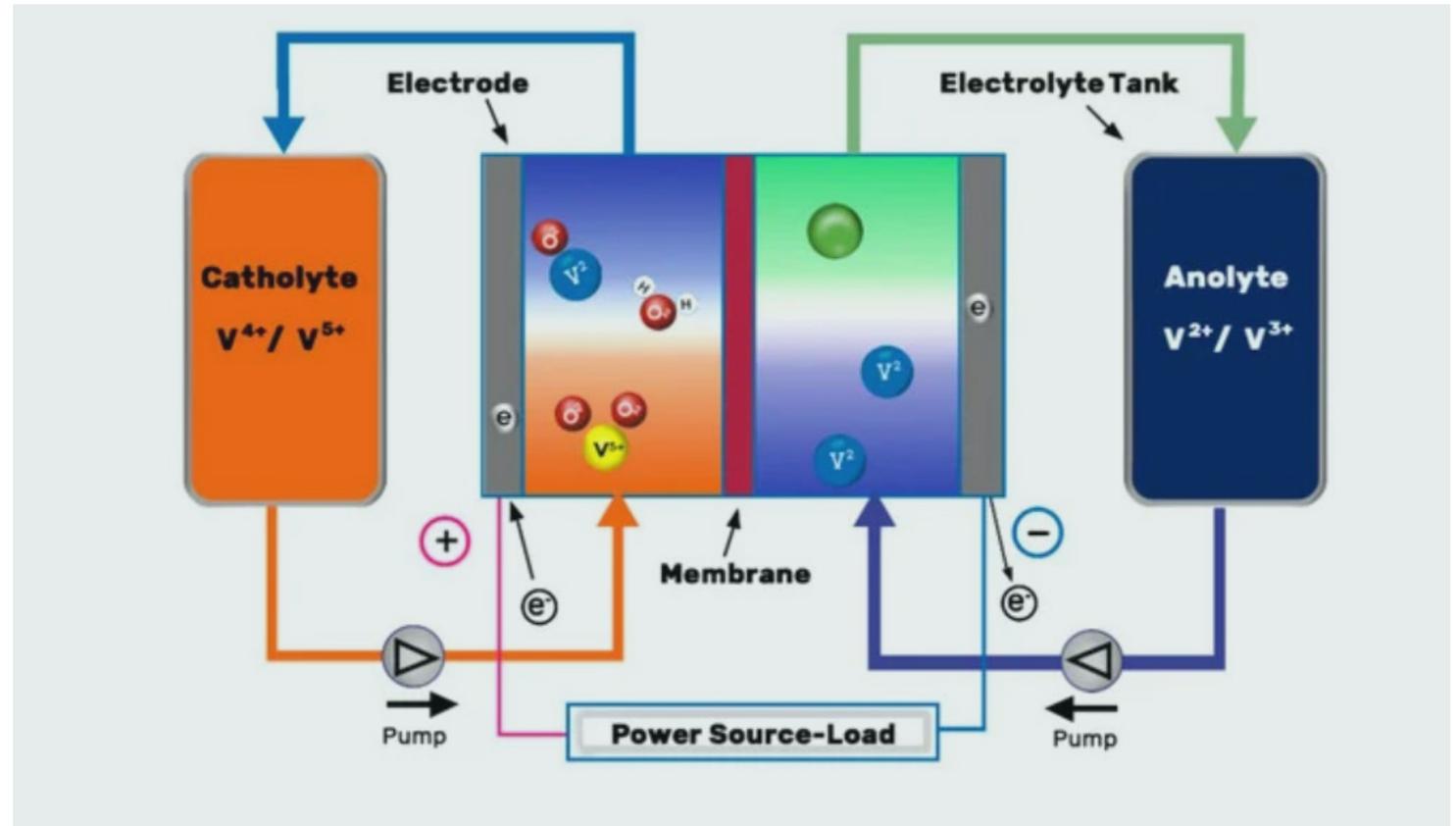
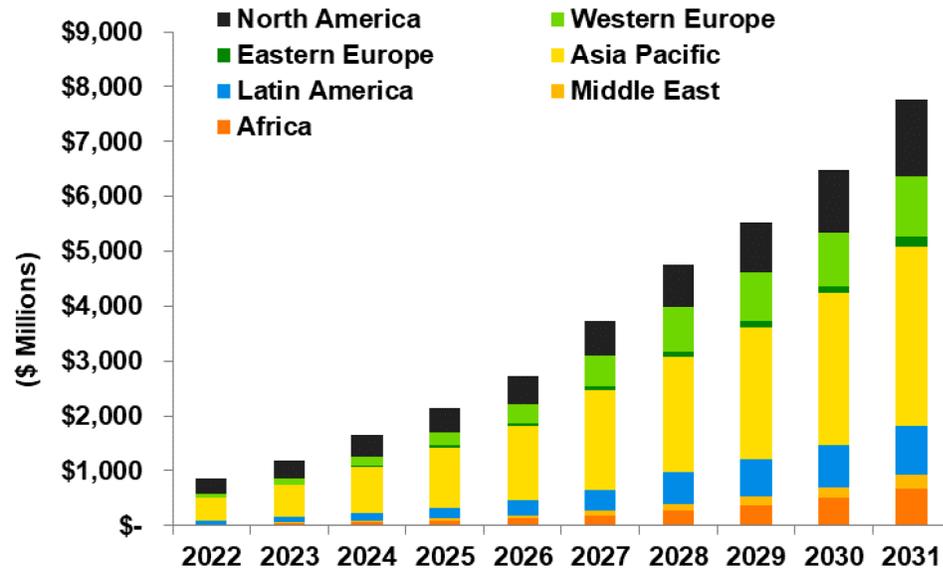


Figure 1: Schematic illustration of a VRFB. Source: Encyclopedia Journal (ISSN 2309-3366)

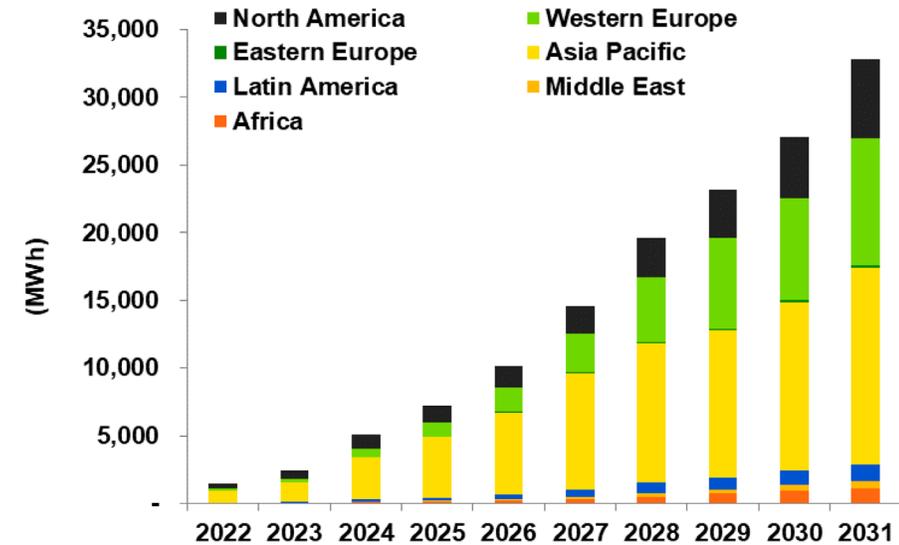
Vanadium Supply & Demand

Annual Installed VRFB Utility-Scale and Commercial and Industrial Deployment Revenue by Region, All Application Segments, World Markets: 2022-2031



(Source: Guidehouse Insights)

Annual Installed VRFB Utility-Scale and Commercial and Industrial Battery Deployment Energy Capacity by Region, All Application Segments, World Markets: 2022-2031



(Source: Guidehouse Insights)

► Vanadium consumption in batteries is forecast to grow at an average compound rate of 41% per year from 2022 to 2031.

Source: Guidehouse Insights: White Paper Vanadium Redox Flow Batteries Identifying Market Opportunities and Enablers Published 2Q 2022

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Vanadium Tailwinds & Development Strategy

Vanadium Processing Pilot Plant

\$1.265m grant (Federal Gov) to Brisbane Met Labs

[Click here for more Info](#)



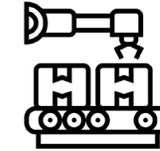
Battery Manufacturing Queensland

\$100m Federal government commitment to develop battery manufacturing in QLD

[Click here for more info](#)



CMG is leveraging off the significant grants and incentives put in place to develop domestic production of Vanadium, particularly for use in Vanadium Redox Flow Batteries as a grid scale energy solution



Vanadium Demonstration Plant

\$10m Fully funded (QLD Gov) to build plant in Townsville

[Click here for more info](#)



National Battery Testing Centre (NBTC)

\$50m project and \$15m funded (QLD Gov) . NBTC will look at Vanadium flow battery development & standards. Critical Minerals Group is working with NBTC to supply vanadium battery precursor material.

[Click here for more info](#)

Progress So Far

- **Flagship granted (2021)**
- refer to CMG's prospectus dated 25 May 2022
- **Flagship JORC (2021)**
- refer to CMG's prospectus dated 25 May 2022
- **Prospectus lodged (2022)**
- refer to CMG's prospectus dated 25 May 2022
- **Secured Idemitsu Australia as a Strategic Investor (2022)**
- refer to CMG's ASX announcement dated 27 September 2022
- **Listed on ASX (Sept 27th 2022)**
- **Commenced drilling at Flagship (2022)**
- refer to CMG's ASX announcement dated 12 October 2022
- **New tenement applications around flagship (2022)**
- refer to CMG's ASX announcement dated 19 October 2022
- **Granting of Cu/Au tenements (2022)**
- refer to CMG's ASX announcement dated 28 October 2022
- **Completed drilling at flagship (2022)** (23 x 4 inch core holes, 1x open hole and 3x water monitoring holes)
- refer to CMG's ASX announcement dated 2 November 2022



Where to Next



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