



## APPOINTMENT OF PROFESSOR ANDREW RUYS TO SPEARHEAD THE COMMERCIALISATION OF VHD GRAPHITE BLOCKS AND INDUSTRIAL FACILITY SECURED

**Green Critical Minerals Ltd (ASX: GCM) ('GCM' or 'the Company')** holds the 100% rights to acquire the very high density graphite block technology ('VHD Graphite Blocks'). As part of GCM's development and commercialisation of VHD Graphite Blocks we are delighted to announce the appointment of Professor Andrew Ruys to the position of Head of Research and Development and the signing of a binding heads of agreement for the lease of an industrial facility in New South Wales.

### APPOINTMENT OF PROFESSOR ANDREW RUYS

Professor Andrew Ruys is not just one of Australia's leading experts, but a **leading expert globally**, in non-oxide advanced ceramics. He has a Bachelor of Engineering (First Class Honours) and a PhD in Ceramic Engineering, from the University of NSW. His PhD (1992) was in non-oxide advanced ceramics. **Professor Ruys is a hands-on researcher** and during his career leading R&D and commercialisation activities he has completed the setup and fit-out of numerous laboratories, pilot plants and commercial scale manufacturing facilities, and the commercialisation of numerous new products.

In the 1990s Professor Ruys was a founding director of Modern Ceramics Company Pty Ltd ('MCC'). MCC was one of the leading manufacturers of RSSC silicon carbide ('SiC') ceramics in the world at that time, manufacturing industrial SiC in their Sydney plant, on a large scale. Under his guidance, MCC produced and exported advanced ceramics from its Sydney facility, contributing significantly to the company's international reputation. MCC also **managed the early development of advanced graphite technologies** for several years, a project performed under the leadership of Professor Ruys.

In the late 1990s, Professor Ruys became a member of the foundational team of ASX listed Sirtex Medical Limited (ASX:SRX, 'Sirtex'), which developed and marketed an advanced ceramic microsphere technology for selective internal radiation therapy ('SIRT') of advanced liver cancer.

From 2018 to 2024, Professor Ruys has been R&D Manager in two start-up companies concerning advanced ceramic developments, LCRT Pty Ltd (ceramics from waste glass) and GRAG Technologies Pty Ltd (a new-generation ceramic microsphere technology for SIRT).

Professor Ruys academic career includes serving for many years as a **Professor of Engineering at the University of Sydney** (School of AMME, Centre for Advanced Materials Technology and Discipline of Biomedical Engineering). Professor Ruys has published **over 240 scientific papers on advanced ceramics, and four scholarly books**, each about 500 pages long, with Elsevier (Oxford UK). His most recent book (2023 - SiC Ceramics) is the first major book on SiC ceramics since the early 1990s.

**GCM Managing Director Clinton Booth commented** *"We are delighted that Andrew has joined GCM in this pivotal role. We have been in discussion with Andrew for many months regarding this opportunity as we were concluding the acquisition of VHD Graphite. Andrew's **internationally recognised expertise** in materials technology, his **proven success in similar roles** commercialising materials technology and his*



*familiarity with VHD Graphite blocks provides us with a significant advantage as we progress VHD Graphite blocks to commercialisation and provides us with confidence in our commercialisation timeline."*

#### LEASE OF VHD GRAPHITE INDUSTRIAL FACILITY

GCM is pleased to advise it has entered into a binding heads of agreement to lease industrial space in New South Wales. GCM is currently finalising the full lease agreement and expects to have access to the industrial facility this quarter. Leasing this facility allows GCM to progress activities related to the construction, commissioning and ultimately, production of VHD Graphite blocks.

**GCM Managing Director Clinton Booth commented** *"This is another significant step we have taken in the path to **delivering first revenue for GCM** and in the commercialisation process of VHD Graphite. We considered multiple properties, and this property met all our criteria – it has the necessary utilities, size and location. With this property secured we can now **progress to construction of the pilot plant.**"*

#### COMMERCIALISATION PATHWAY

GCM reported in its 30 October 2024 announcement the various milestones it is targeting in the commercialisation process of VHD Graphite and provides the following update.

Milestone	Target Date	Status
Engagement of Head of Research and Development	CY Q4 2024	Complete
Secure industrial facility and pilot plant fit-out	CY Q1 2025	Industrial facility secured Pilot plant design underway
Validate laboratory scale sample production and properties	CY Q2 2025	
Customer samples available	CY Q2 2025	
Customer qualification	CY Q3/Q4 2025	
Commercialisation	CY Q4 2025	

#### Authorisation

The provision of this announcement to the ASX has been authorised by the Board of directors of Green Critical Minerals Limited.

#### For further information, please contact:

Clinton Booth  
Managing Director  
T: +61 8 9388 0051  
E: [enquiry@gcminerals.com.au](mailto:enquiry@gcminerals.com.au)