

Hazer Secures Patent Filings for Battery-Grade Graphite Purification Process Amid Tightening Global Supply

Highlights

- *Patent family covers novel process for purifying Hazer graphite to >99.9% purity without damaging morphology — opening potential for high-end applications such as lithium-ion batteries.*
- *Unlocks access to the high-value battery materials market in addition to established large-scale markets such as steelmaking, cement, thermal energy storage, asphalt, and bitumen.*
- *Increasing inbound interest from lithium-ion battery and anode manufacturers seeking alternative graphite supply sources.*
- *Graphite market tightening driven by concentrated supply, tariffs, and surging EV-sector demand*
- *Hazer graphite marketing strategy targets high volume markets complemented by penetration into high-value applications with potential for significant revenue upside.*

PERTH, AUSTRALIA; 12 AUGUST 2025: Hazer Group Ltd ("Hazer" or "the Company") (ASX: HZR) is pleased to announce it has secured national filings for a key patent family protecting its novel electrochemical purification process, offering the potential to produce graphite exceeding 99.9% purity. This innovative process enables Hazer to access high-value markets including lithium-ion battery and other advanced applications.

This proprietary process purifies graphite produced via the Hazer® Process to achieve an ultra-high purity product without damaging the graphite's unique morphology.

This process and potential high-value new application builds on Hazer's current graphite marketing strategy which targets high-confidence, high-volume markets such as steelmaking, cement, thermal energy storage, asphalt, bitumen, and water treatment. It also complements inbound interest from global battery manufacturers seeking secure, low-emission graphite supply.

The patent has been filed in more than 20 jurisdictions, further strengthening Hazer's global IP portfolio and reinforcing its position as the leading methane pyrolysis technology provider for low-emission hydrogen and high-quality graphite production.

Hazer Group's CEO and Managing Director, Glenn Corrie, commented: *"With battery-grade graphite now within our sights, this patent and filings position Hazer to participate in one of the most strategically important critical mineral markets. Graphite's value is increasing as supply tightens due to concentrated production, new trade measures, and strong demand from the battery and energy storage sectors.*

Our low-emission process can deliver high-purity graphite from a domestic source, helping to strengthen supply chains, reduce reliance on imports, and meet the quality needs of battery manufacturers. This patent reinforces our IP leadership and supports our strategy to provide secure, sustainable supply into rapidly growing markets."

Tightening Graphite Market Outlook

Graphite is classified as a tier-1 critical mineral essential to the energy transition and is a key component in lithium-ion batteries, electric vehicles, renewable energy storage systems, and numerous industrial applications.

Today, global graphite supply is highly concentrated, with China controlling over 80% of production which poses a significant sovereign risk to downstream industries. This risk is intensifying, with the United States moving to impose a 93.5% tariff on Chinese graphite, and other governments actively seeking to diversify and secure alternative supply chains. At the same time, surging demand from the battery sector is tightening availability and supporting firm pricing.^{1,2}

Graphite in Battery Applications & Domestic Supply Imperative

Battery grade synthetic graphite prices have soared to over US\$10,000 per tonne, marking a 120% rise from pre-pandemic levels. In comparison, natural graphite remains in the US\$800–1,200 per tonne range, though purity issues limit its use in high-performance applications.³

These price dynamics underscore urgent demand for secure, localised supply chains. Major developed economies, including the US and Australia, are prioritising battery component sourcing from domestic or allied nations, highlighting graphite's strategic importance.

Hazer is receiving increasing inbound interest from lithium-ion battery and anode manufacturers, reflecting growing recognition of the potential applications for Hazer graphite in advanced energy storage applications.

Hazer Graphite - Diverse Market Potential

Hazer is uniquely positioned to address current market challenges through its innovative technology enabling localised production of low emissions graphite, effectively de-coupling supply from existing international sources. Hazer graphite is a low-emissions, high-quality product with differentiated properties and broad ranging potential applications including:

- **Critical mineral / high-value applications** – Battery manufacturing, conductive additive, anode applications and defence uses.
- **Steelmaking** – low-ash, low-sulphur graphite as a recarburiser and other applications in steel production.
- **Cement and asphalt** – low-emissions additive offering strength and durability benefits.
- **Thermal energy storage** – excellent thermal conductivity for efficient heat transfer and storage.
- **Water treatment** – unique properties with potential to aid PFAS removal.
- **Rubber and lubricants** – tyre manufacturing, industrial applications.

This diversity of applications offers Hazer both volume and value, reinforcing its commercial resilience and scalability.

Market Strategy & Revenue Potential

Hazer is deploying a dual-pronged strategy that targets established, high-volume, higher confidence markets while positioning for premium pricing in battery-grade applications. Large-volume sectors such as steelmaking, cement, and asphalt provide consistent demand and are expected to underpin baseline revenues, while higher value applications such as battery-grade graphite offer higher margins despite representing a smaller share of total volumes.

Strategic partnerships, including Mitsui, support the strong inbound interest reinforcing commercial credibility and opening doors in both market segments. Combined with Hazer's direct market engagement and feedback from prospective buyers, Hazer's market analysis confirms both the demand volumes and pricing potential, underpinning a highly attractive market proposition.

At indicative pricing of US\$500 (A\$765) per tonne for industrial markets, a 50,000 tpa hydrogen project producing graphite could generate revenue of approximately **US\$83 (A\$127) million per annum**, assuming

¹Sources: Global Critical Minerals Outlook 2024, IEA and "Graphite Shortage Sparks Global Supply Fight." mining.com.au, March 31, 2025

²US Department of Commerce: Preliminary Affirmative Determination in the Antidumping Duty Investigation of Active Anode Material from the People's Republic of China

³<https://pmarketresearch.com/chemi/battery-grade-graphite-anode-market/>

166,000 tpa graphite output⁴. Battery-grade graphite and other high-value applications, represent an attractive value-add opportunity on top of this base case.

This announcement is authorised for release by the Board of the Company.

[ENDS]

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About Hazer Group Ltd

Hazer Group is an Australian technology company, driving global decarbonisation efforts with the commercialisation of the company's disruptive world-leading climate-tech. Hazer's advanced technology enables the production of clean and economically competitive hydrogen and high-quality graphite, using a natural gas (or biogas) feedstock and iron-ore as the process catalyst.

Hazer Group Limited - Social Media Policy

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This announcement may contain certain "forward-looking statements" which may not have been based solely on historical facts but are based on the Company's current expectations about future events and results.

Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward-looking statements are subject to risks, uncertainties, assumptions, and other factors, which could cause actual results to differ materially to futures results expressed, projected, or implied by such forward looking statements.

The Company does not undertake any obligation to release publicly any revisions to any "forward-looking statements" to reflect events or circumstances after the date of this announcement, or to reflect the occurrence of unanticipated events, except as may be required under the applicable securities laws.



⁴ Annual revenue calculation assumes 166,000 tonnes per annum of graphite at US\$500/tonne. Exchange rate: 1 USD = 1.53 AUD