

2 July 2026

## EVION ADVANCES DOWNSTREAM CRITICAL MATERIALS STRATEGY TARGETING AI INFRASTRUCTURE, DEFENCE & GLOBAL STRATEGIC INDUSTRIES

*Proven graphite business provides the platform to expand into higher-value materials serving AI infrastructure, defence and energy security.*

### Key Highlights

- **EVG is accelerating its transformation into a downstream critical minerals company**, building on its commercially proven expandable graphite business to capture structural growth across AI infrastructure, defence and energy security.
- **Panthera Graphite Technologies ("PGT") has commercially validated EVG's downstream strategy**, delivering positive EBITDA in FY2026 while demonstrating premium product pricing, attractive gross margins, and significant operating leverage.
- **Expandable graphite** is a higher-value, further-downstream form, used in passive fire protection, battery safety and thermal management - including thermal-runaway protection in EV and grid-scale batteries, and fire protection for the high-density electrical infrastructure of AI data centres.
- **The opportunity to evaluate research and development pathways** into higher-performance, advanced graphite grades for thermal management in AI computers and electronics - an emerging, higher-value frontier - building on its existing commercial production.
- **Graphite is a designated critical mineral in the US, EU and Australia**, with global supply dominated by China and increasingly subject to export controls - sharpening demand for established producers outside China.
- **Record investment in AI infrastructure, defence and energy security** - backed by the US, Europe and allied governments through critical-mineral and domestic-manufacturing programs - is driving multi-decade demand for advanced graphite materials and long-term opportunities for established producers outside China.

Evion Group NL ("Evion" or "the Company") (ASX: EVG) is pleased to outline the next stage of its growth as a downstream critical materials business, building on the commercial success of Panthera Graphite Technologies ("PGT").

PGT has proven that the real value in graphite sits well beyond mining concentrate. Through downstream processing, Evion already manufactures expandable graphite to customer specifications and sells it to international customers. With PGT delivering positive EBITDA in FY2026<sup>1</sup>, the strategy is validated by production and revenue.

That gives Evion something most advanced-materials companies do not have: a profitable platform to build from. The plan now is to use it to capture more of the value chain - expanding production, broadening the product range into higher-value grades, and moving into the markets where performance and secure, non-China supply are worth far more than raw material: AI infrastructure, defence and energy security.



*Figure 1 – expandable graphite sample tested at our laboratory 22 June 2026*

**Managing Director David Round commented:**

*“The successful commercialisation of Panthera Graphite Technologies represents a significant milestone in Evion’s evolution and validates our strategy of moving further downstream within the graphite value chain.*

*Our strategy is no longer about proving downstream processing works rather it is about scaling a commercially validated advanced materials business into industries experiencing decades of structural growth.*

*Global investment across artificial intelligence infrastructure, defence capability, energy security and advanced manufacturing continues to accelerate, increasing demand for advanced materials capable of improving thermal resilience, fire protection and operational performance.*

<sup>1</sup> ASX announcements 4 June and 12 June 2026

*With an established manufacturing platform, existing customer relationships and a vertically integrated graphite supply chain, we believe EVG is well positioned to continue expanding its downstream product portfolio and building long-term shareholder value.”*



*Figure 2 – final screening of finished product on site 22 June 2026*

### **Why Downstream Matters?**

Graphite concentrate represents only the first stage of the graphite value chain.

Downstream processing transforms graphite concentrate into specialised engineered materials capable of commanding materially higher value than raw graphite while meeting demanding technical performance requirements across critical industrial applications.

Expandable graphite is one such advanced material and is already used globally across passive fire protection, battery safety, thermal management, industrial insulation, halogen-free flame retardants and engineered industrial products.

Increasingly, expandable graphite is recognised as an enabling advanced material capable of improving thermal resilience, passive fire protection and operational reliability across critical infrastructure. These performance characteristics support applications ranging from battery energy storage and data centre infrastructure through to defence platforms, industrial facilities and resilient transport infrastructure.

By increasing its exposure to downstream processing, EVG aims to access higher-margin markets, diversify revenue streams and establish long-term commercial relationships with industrial customers where technical performance, product reliability and secure supply are becoming increasingly important purchasing considerations.

### Structural Demand Drivers

A series of powerful global trends is driving increasing demand for advanced graphite materials.

Record investment in artificial intelligence infrastructure is accelerating construction of hyperscale data centres, high-performance computing facilities and supporting electrical infrastructure. These assets require increasingly sophisticated thermal management, passive fire protection and resilient engineered materials to improve operational safety, reliability and asset longevity.

At the same time, governments across the United States, Europe and allied economies are accelerating investment in sovereign defence capability, critical infrastructure, advanced manufacturing and secure domestic critical mineral supply chains. Advanced graphite materials are increasingly utilised across applications requiring thermal resilience, fire protection and reliable performance in demanding operating environments.

Continued growth in battery energy storage systems, industrial electrification and passive fire protection is creating additional long-term demand for expandable graphite products, while increasingly stringent building standards and infrastructure resilience requirements continue to support established commercial markets.

### Expandable Graphite Strategy

EVG's strategy is centred on expanding its downstream critical materials business by increasing production, broadening its portfolio of higher-value graphite materials, and strengthening its position within global strategic supply chains.

#### Key priorities include:

- Expanding commercial production through Panthera Graphite Technologies<sup>2</sup>.
- Accelerating customer qualification programmes across strategic industrial sectors.
- Establishing additional strategic partnerships with industrial customers and technology companies.

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<sup>2</sup> ASX announcement 17 March 2026

- Expanding Evion's portfolio of higher-value downstream graphite materials targeting strategic industrial applications.
- Progressing research and development pathways into higher-performance graphite grades for advanced thermal management applications.
- Strengthening Evion's non-China supply chain to meet rising demand from customers seeking secure, allied-sourced material.
- Leveraging Evion's vertically integrated graphite platform to support long-term commercial growth.



*Figure 3 –Sample and finished goods testing at PGT 22 June 2026*



*Figure 4 –PGT’s world leading production facility in India, June 2026*

### **Carp Fluorspar: A Second Critical Mineral Leg**

Evion’s downstream strategy is anchored in graphite, but the Company’s exposure to critical minerals does not end there. Through the high-grade Carp Fluorspar Project in Nevada, EVG holds a position in a second designated critical mineral that sits at the centre of the same structural forces driving its graphite business.

Fluorspar is the primary source of fluorine and the feedstock for the entire fluorochemical value chain - hydrofluoric acid, fluoropolymers, refrigerants, battery electrolytes and the ultra-high-purity chemicals used in semiconductor manufacturing. These applications map directly onto the same AI infrastructure, defence and energy security markets that underpin Evion’s graphite strategy.

The Company believes this strategy provides diversified exposure to multiple structural growth industries while continuing to strengthen EVG's position as a supplier of advanced critical materials of both graphite and Fluorspar.

**This announcement has been authorised by the Board of Evion Group NL.**

## Contact

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For more information - <https://eviongroup.com>

## Forward-Looking Statements

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