FIRSTGRAPHENE

Commercial scale graphene production

Revolutionising material performance for global technology and industrial markets

JUNE 2026

Major operating highlights

- Established commercial-scale graphene production facility
- Proprietary processing capability of up to 100 tonnes per annum (tpa)
- High-value product suite spanning graphene, graphene oxide and functionalised nanomaterial additives
- Flagship **PureGRAPH®** range enhances performance across industrial applications
- >35 active commercial clients across broad industry segments generating revenue
- Strategic acquisitions expanding platform into new international markets
- Global distribution network supplying customers across 20+ countries

01

INPUT

Mined and/or purified Graphite
CIRCA US$1,000 - $2,000/tonne

02

MANUFACTURING

Proprietary Electro Chemical Exfoliation converts to Graphene

03

HIGH QUALITY OUTPUT

Graphene, Graphene Oxide and Functionalised carbon-based materials
CIRCA US$9,000 - $10,000,000/tonne

PureGRAPH®: unlocking graphene's commercial potential

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FLEXIBLE

Stretches up to 20%

THIN

0.345nm or one carbon atom thick

TRANSPARENT

Absorbs only 2.3% of visible light

IMPENETRABLE

Impermeable barrier even to helium gas

STRONG

200 times stronger than steel

ELECTRIC CONDUCTIVE

1 million times more conductive than copper

THERMAL CONDUCTIVE

5,000 w/Mk in all directions (isotropic)

FIRE RETARDENT

Enhanced retardancy to fire and heat

Established production profile

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- Proprietary electrochemical exfoliation process converts graphite into high-quality graphene nanoplatelet materials
- Industrial-scale production supports lower unit costs and improves commercial viability for high-volume applications
- **PureGRAPH®** products manufactured to deliver consistent morphology, purity and particle size
- Regulatory approvals secured in key markets, including REACH registration in the EU and UK and AICIS approval in Australia. US EPA in progress

High-value global applications with growing sector diversification

CEMENT & CONCRETE

- Concrete road base
- Structural elements
- Precast piping & roof tiles
- Shotcrete concrete

ELASTOMERS

- Mining sacrificial wear liners, abrasion resistant surfaces & fire-retardant urethanes
- Footwear

ENERGY GENERATION & STORAGE

- Perovskite solar cells for remote controls, electronic price display & drones
- Supercapacitor materials

COMPOSITIES

- Tanks, pipes, swimming pools
- Sports equipment
- Architectural structures
- High abrasion oil & gas drill collars

COATINGS & TEXTILES

- Powder coating for anti-corrosion
- Conductive geotextiles for smart sensing
- Textile coatings for thermal control
- Conductive printable inks

POLYMERS

- Transportation panels & structures
- Solar thermal roof tiles
- Fire retardant building materials

Commercialisation model

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Near-term catalysts

- Conversion of ~50 near term active product launches and commercial agreements across **PureGRAPH®** pipeline representing >US$10m revenue opportunity
- Integration of recent acquisitions to open inorganic sales channels and market access
- Expansion of direct US commercial platform, and leverage into defence and aerospace markets
- Further commercial leverage of UK based cement & concrete work into Europe, Australia, and North America

Direct addressable market revenue opportunities in proven applications

CEMENT & CONCRETE

~US$360m
United Kingdom

~US$300m
Australia & New Zealand

ELASTOMERS

>US$150m
Mining wear protection

>US$6B
Global work boot

ENERGY GENERATION & STORAGE

~US$12m
Perovskite solar cells

~US$75m
Supercapacitor additives

COMPOSITIES

~US$60m
Sporting equipment

~US$250m
Architectural structures

COATINGS & TEXTILES

~US$75m
Anti-corrosion powder coatings

~US$16m
Conductive printed inks

POLYMERS

>US$6B
Transportation segment

>US$1B
Fire-retardant building materials

Note: Figures are estimates based on publicly available information

Acquisition – MITO® Material Solutions

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- **Technology:** Expands beyond PureGRAPH® into graphene oxide and functionalised nanomaterial additives by adding market ready E-GO, LIGRA, OMEGA and DELTA product lines across composite fibres, coatings, resins and additives
- **Revenue:** Provides access to established customers, revenue-generating formulations and technology validation
- **Pipeline:** Comes with established commercial pipeline of opportunity across defence, aerospace, transportation and sporting equipment advanced materials markets
- **Presence:** Establishes Toll Manufactured supply and commercial platform to directly address the US market

mito MATERIAL SOLUTIONS

US Platform
Direct operational and commercial presence in the US

Strategic markets
Defence, aerospace, transportation and sporting equipment advanced materials

Revenue generating
Establish revenue generating clients

Acquisition – Ionic Industries

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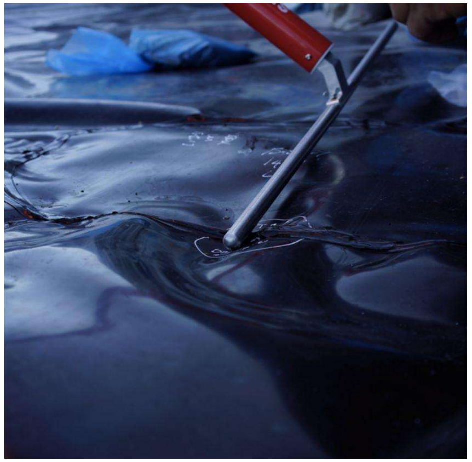
- **Technology:** Expands FGR beyond PureGRAPH® into coatings and dispersion technologies for geotextiles, water containment, landfill barriers and construction materials
- **Pipeline:** Provides access to established go-to-market ready formulated products with historical supply chain and commercial pipeline opportunities
- **Positions** FGR with a market ready solution for growth across geotextile applications
- **Significant additional Intellectual Property in Battery and Supercapacitor materials**



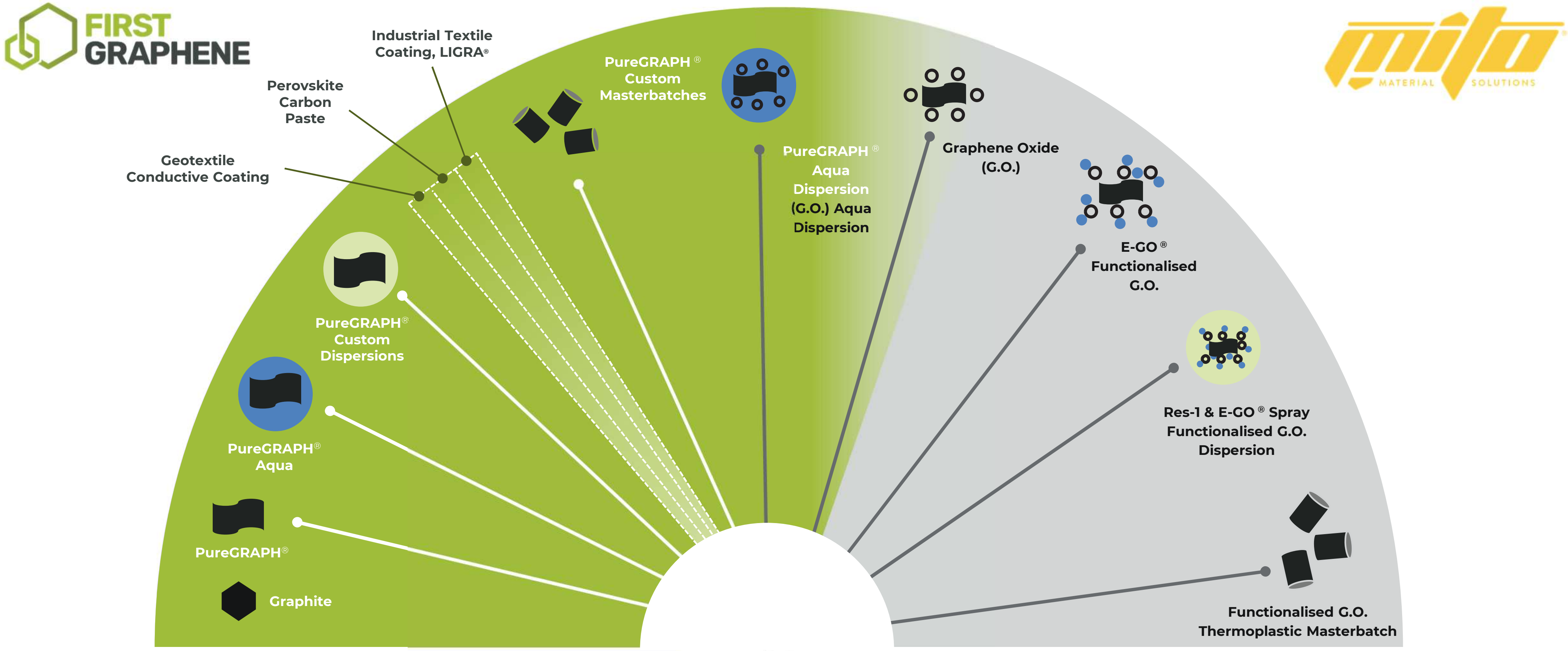
ionic industries

Expanded capability
Direct operational and commercial presence in the US

US $11B
Estimated global geotextiles market by 2030

Strategic markets
Mining geotextiles – specifically Australia

Expanding Product Portfolio



Cement and concrete

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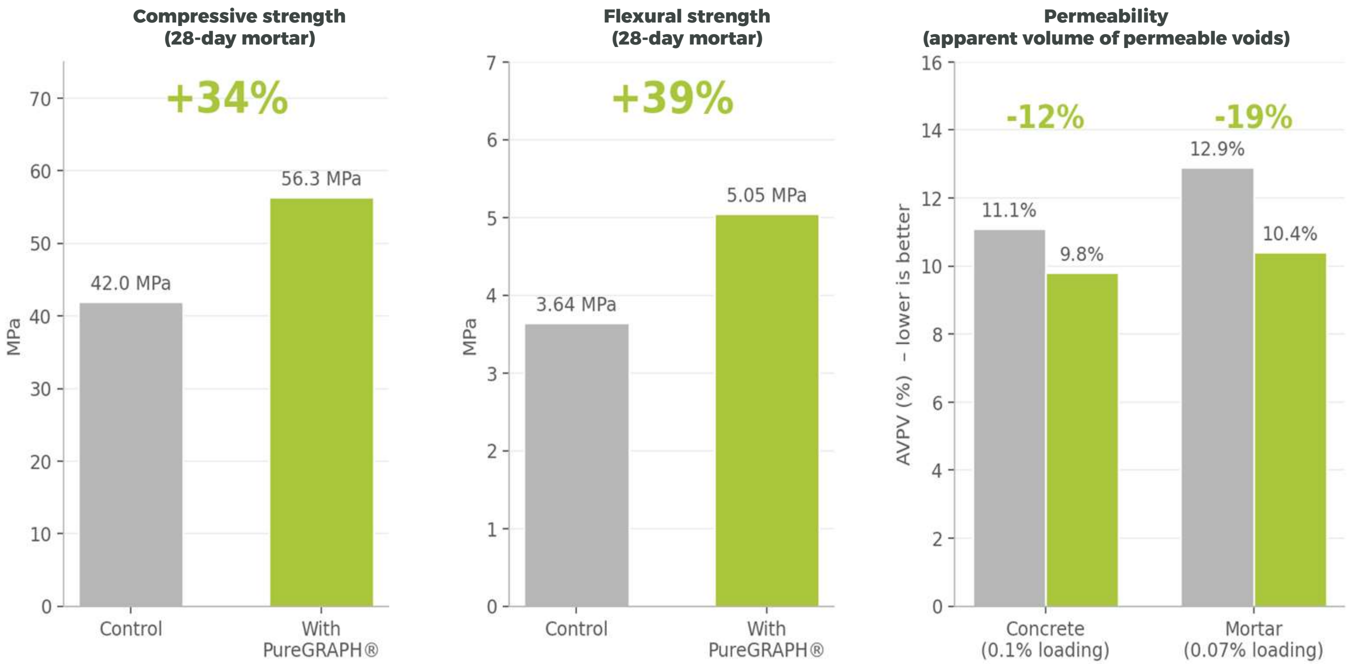
- **Strength gains of 25–30%** in cement and concrete at very low loadings (less than 0.1% of binder)
- Strength gains enable **CO_2 reduction of 16-20%** through clinker replacement while enhancing performance
- **Breedon Group partnership:** >20,000 tonnes of PureGRAPH® enhanced cement deployed in UK projects
- **FP McCann production trial:** 10,000+ graphene-enhanced concrete roof tiles, up to **14% CO_2 reduction**
- **12-19% lower permeability,** reducing voids and pores for water and oxygen to penetrate, extending service life

PureGRAPH® in cement and concrete – strength and permeability



MORGAN SINDALL   fpmccann   BREEDON

Composites and polymers

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- **PureGRAPH®** dispersed into resin or polymer before manufacture and integrates into the composite matrix
- Weight reduction of more than **30%** combined with strength gains of more than **30%** at very low loadings
- Adds **barrier properties, fire retardancy and toughness**
- **Versatile** across structural, automotive, aerospace, sports and protective applications
- Deployed across Carbon Fibre and Glass Fibre clients

>140%
increase in ultimate tensile strength

>45%
increase in tensile modulus

>230%
increase in toughness

Expanding global distribution

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Extensive distribution strengthening global exposure and uptake of PureGRAPH®

- Actively working with **11 distributors** across the globe
- Distribution network provides robust **pathways to major markets**
- Unlocks channels and sales drive to **qualified and international customer base**
- Partnerships under consideration in **South Korea, UK, South America, Middle East, SEA, China and Canada**
- **Validated use cases and performance data support distributor-led customer engagement**

REGION	NORTH AMERICA	EUROPE	BRAZIL	SOUTH AFRICA	INDIA & MIDDLE EAST	VIETNAM	CHINA	AUSTRALIA	NEW ZEALAND
DISTRIBUTOR(S)	▪ NEOGRAF (US) ▪ SUPERGRAFENO (Canada)	KEYSER & MACKAY	SUPERGRAFENO	▪ NANOPROOF ▪ ACT GRAPHENE SOLUTIONS	▪ REINSTE NANO VANTURES ▪ SYRON GREEN THRUST DYNAMICS	GSL HOLDINGS	GRAPHENE-RICH	▪ FGR (WA) ▪ BISLEY	▪ BISLEY ▪ GTM ACTION

Opportunities and outlook

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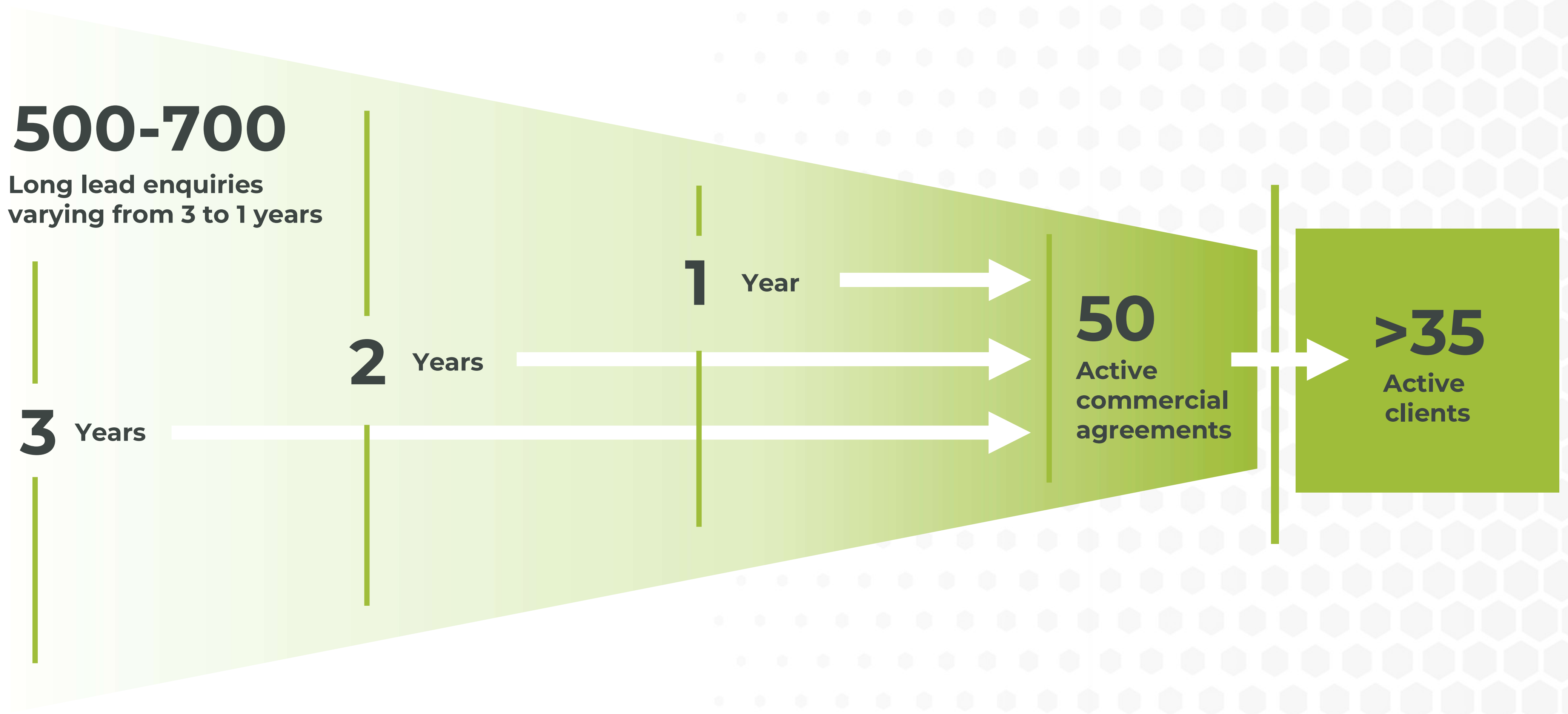

Financial performance

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Commercial momentum

- Ongoing increase in approved applications and sales opportunities
- Cement and concrete segment approaching a mature sales profile
- Diversified application opportunities expanding

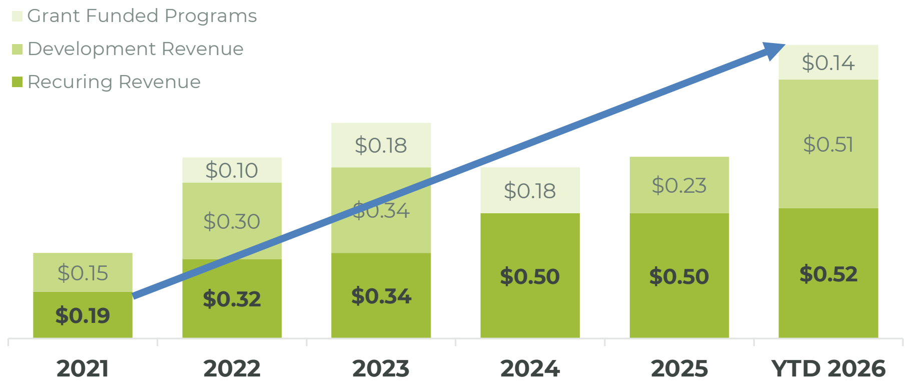
Forward outlook

- Forecast income of circa A$1.5m from existing client base, current development and grant programs
- Pipeline of opportunity over 18 – 24 months has potential of >A$10m
- Continued reduction in cash burn plotting towards breakeven

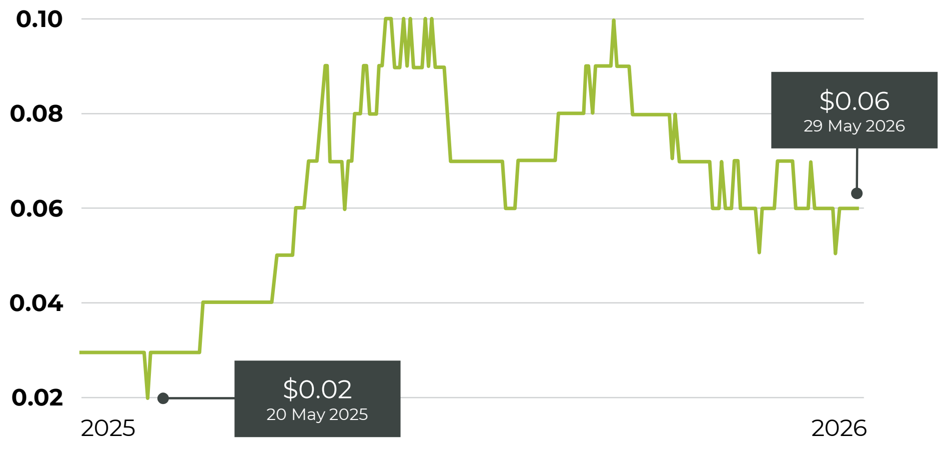
Corporate details

- ~$4.0m cash[1]
- Shares on issue: ~880m
- Options on issue: ~80m listed @ $0.085 exp 06/27 (Listed)
- Share price A$0.06[2]
- Market capitalisation: ~A$50m

Recurring/Development/Grant revenue ($million)



Share Price 1 Year



Note: Refer to 2024 Annual Report for more details, including reclassification of 2024 Grant Income to "Other Income".
Also note YTD 2026 Financials are unaudited as at 4 June 2026 given this is Year To Date.
1: As at 31 March 2026 from 4C
2: Current 29 May 2026

Investment opportunity

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- Commercial scale graphene production operating with >100tpa capacity and revenue across >35 active clients
- High-value advanced materials platform across graphene, graphene oxide and functionalised additives
- World-first cement roof tile results – up to 14% CO_2 reduction validated with listed UK partners Breedon Group and FP McCann
- Global distribution network and customer pipeline expanding across 20+ countries
- Growing application revenues across cement, composites, polymer, energy, and coatings with >US$10m near term pipeline
- Acquisitions accelerate US market entry, defence, aerospace, transportation and sporting goods exposure

Forward looking statements & disclaimer

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