FIRSTGRAPHENE

# Commercial scale graphene production

## Revolutionising material performance for global technology and industrial markets

JUNE 2026

# Major operating highlights

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- 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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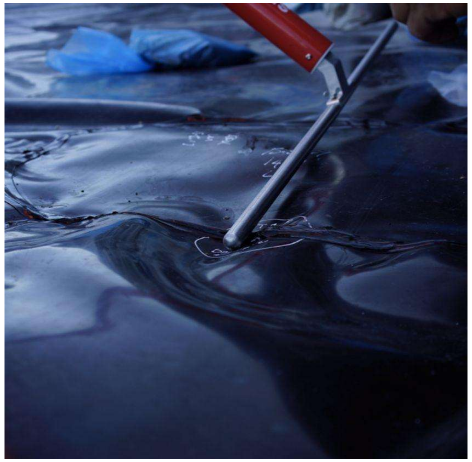
- **Technology:** Expands FGR beyond PureGRAPH® into coatings and dispersion technologies for geotextiles, water containment, landfill barriers and construction materials
- **Pipeline:** Provides access to established go-to-market ready formulated products with historical supply chain and commercial 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

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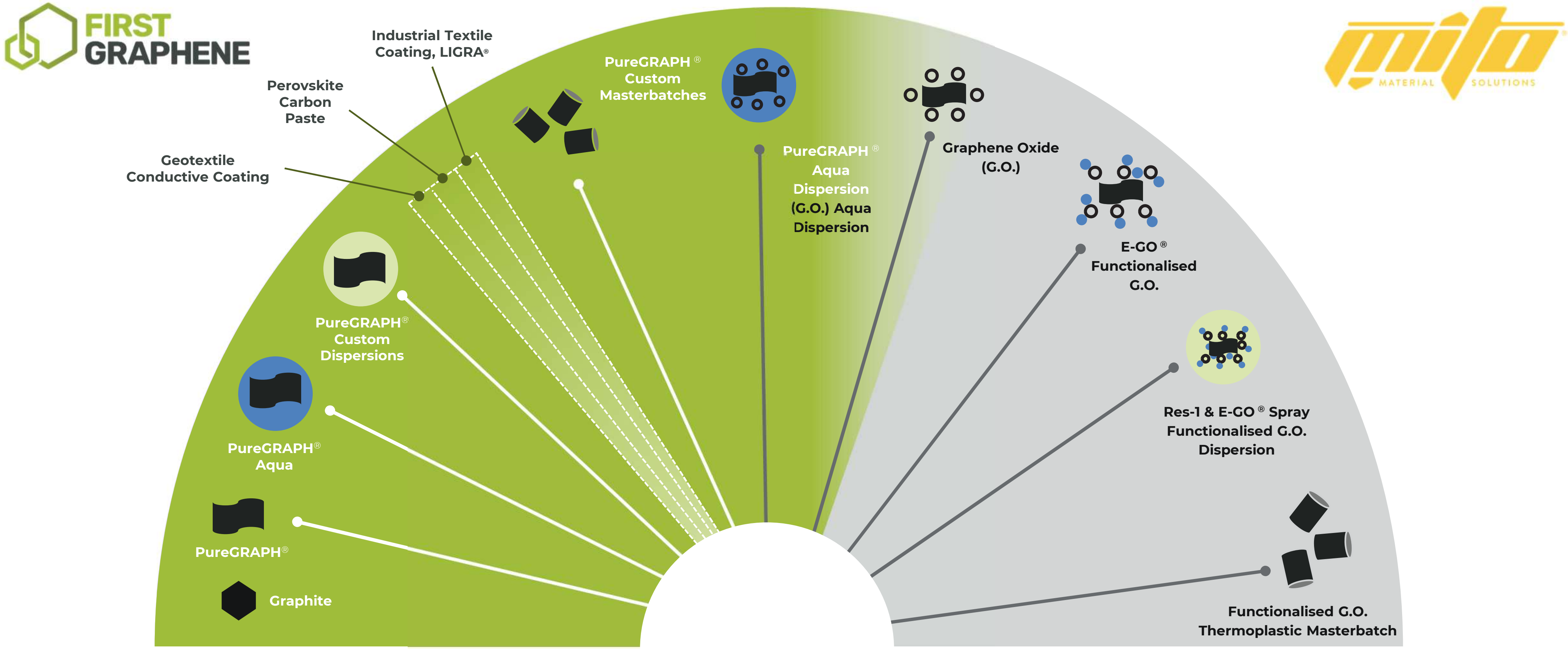

# Cement and concrete

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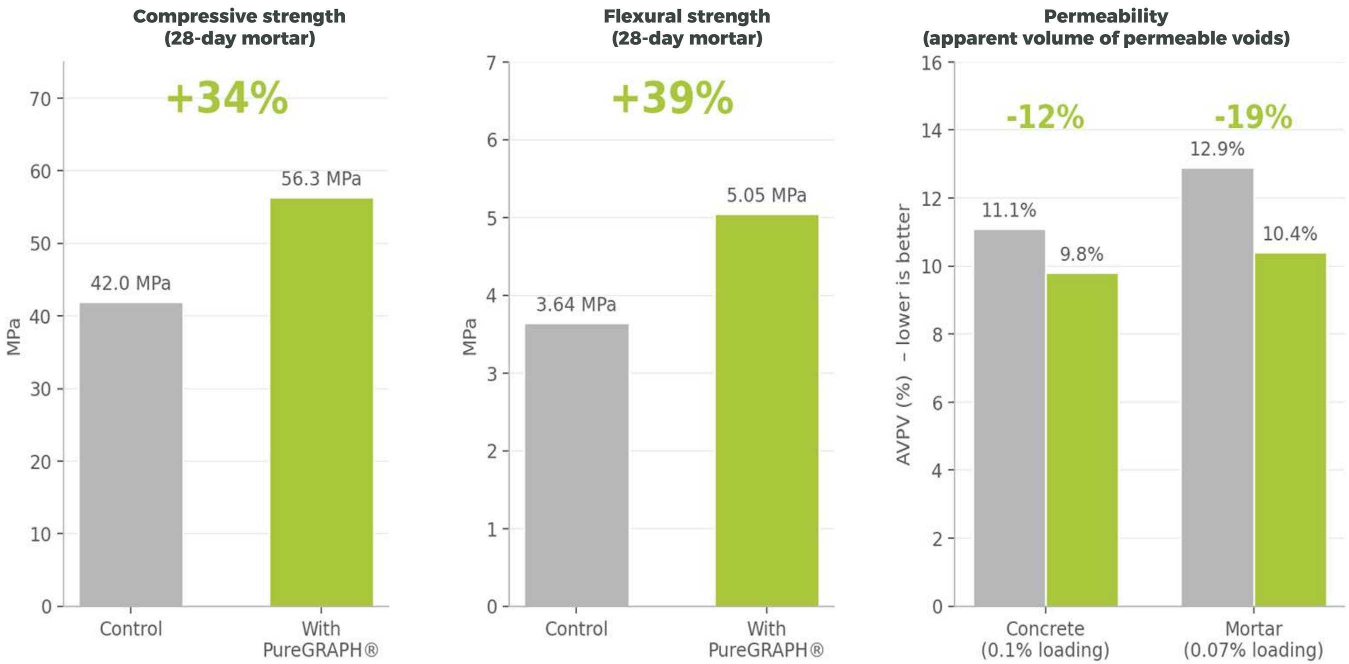
- **Strength gains of 25–30%** in cement and concrete at very low loadings (less than 0.1% of binder)
- Strength gains enable **$CO_2$ reduction of 16-20%** through clinker replacement while enhancing performance
- **Breedon Group partnership:** >20,000 tonnes of PureGRAPH® enhanced cement deployed in 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 · McC 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)<br>▪ SUPERGRAFENO (Canada) | KEYSER & MACKAY | SUPERGRAFENO | ▪ NANOPROOF<br>▪ ACT GRAPHENE SOLUTIONS | ▪ REINSTE NANO VANTURES<br>▪ SYRON GREEN THRUST DYNAMICS | GSL HOLDINGS | GRAPHENE-RICH | ▪ FGR (WA)<br>▪ BISLEY | ▪ BISLEY<br>▪ GTM ACTION |

# Opportunities and outlook

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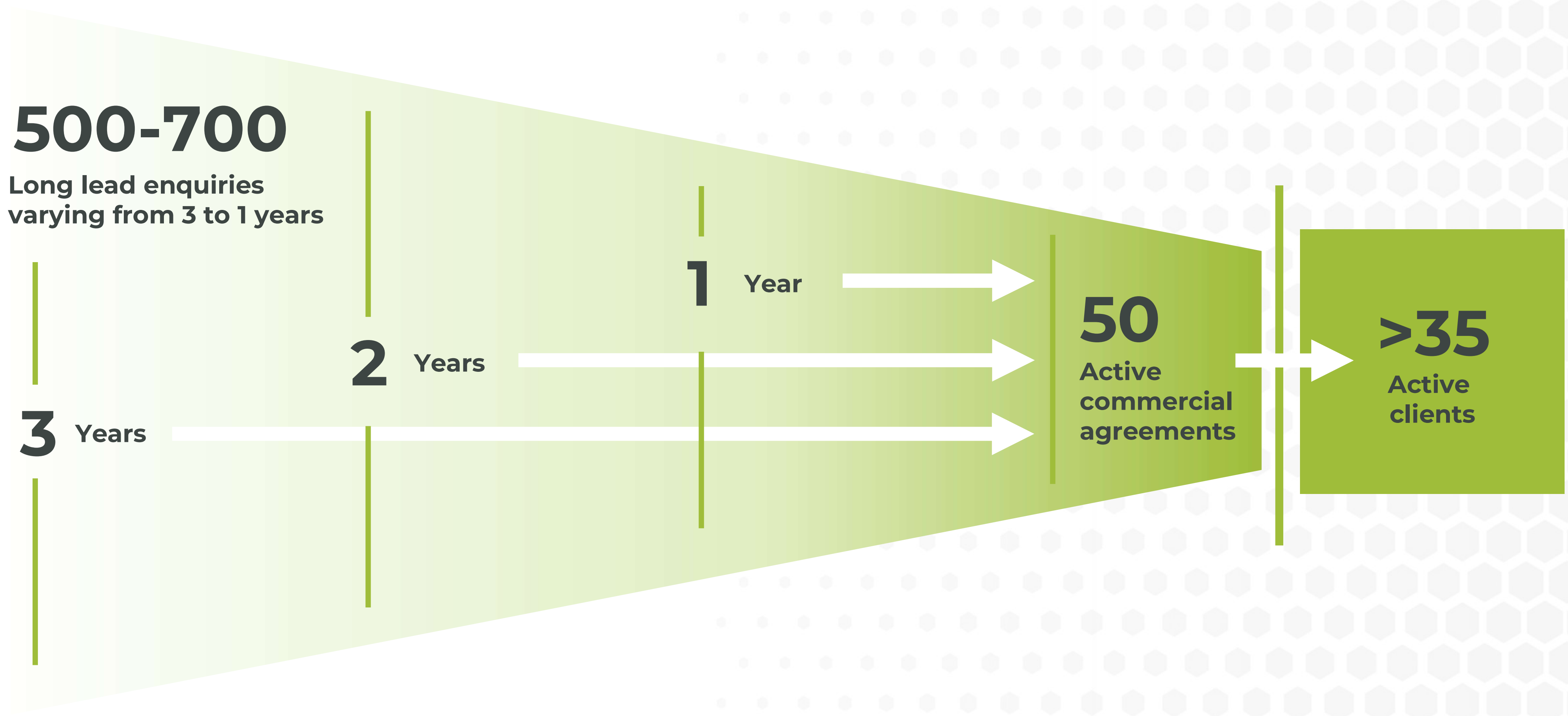

# Financial performance

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## Commercial momentum

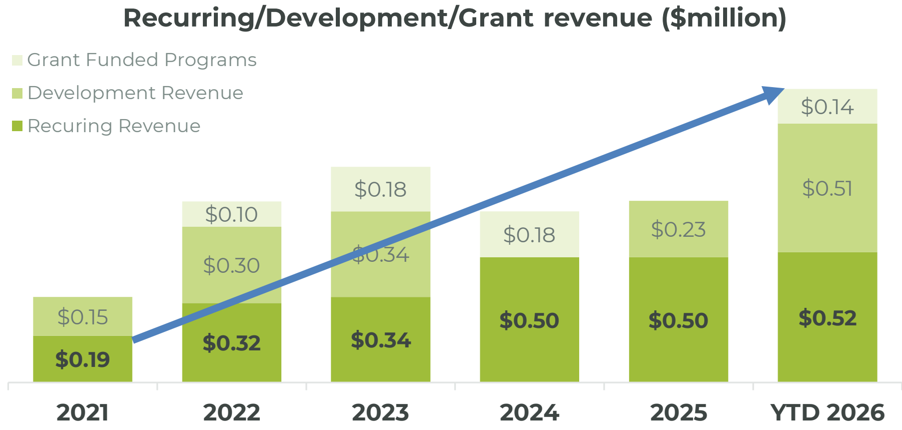
- Ongoing increase in approved applications and sales opportunities
- Cement and concrete segment approaching a mature sales profile
- Diversified application opportunities expanding

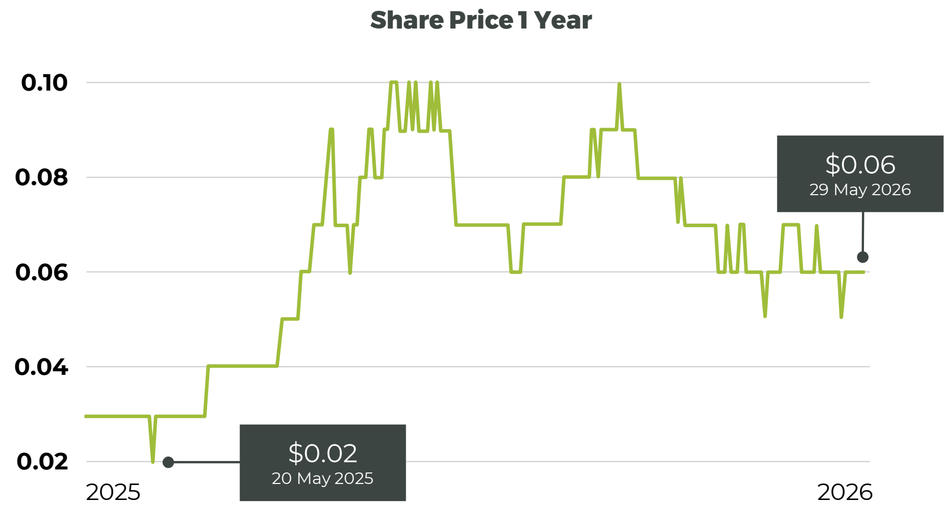
## Forward outlook

- 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




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

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