



**ASX ANNOUNCEMENT**

**FOR IMMEDIATE RELEASE TO THE MARKET**

**PPK Group Limited – ASX Code: PPK**

**Wednesday 6 September 2023**

**Market Update Presentation**

PPK Group Limited (ASX: PPK) is pleased to provide the following Market Update presentation.

This announcement has been made and authorised by the PPK Board.

For further information contact:

**Marc Fenton**

Chief Executive Officer of PPK Group Limited

On 07 3054 4500

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# **PPK Group Limited (ASX: PPK)**

## **INVESTOR PRESENTATION**

**12 Months to 30 June, 2023**

**6 September, 2023**

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# AGENDA

- **PORTFOLIO SUMMARY**
- **INVESTMENT UPDATES**
  - **Craig International Ballistics (CIB)**
  - **PowerPlus Energy**
  - **Li-S Energy**
  - **BNNT Technology**
  - **White Graphene**
  - **Advanced Mobility Analytics Group (AMAG)**
- **FINANCIAL RESULTS**

# PORTFOLIO SUMMARY

# HIGH POTENTIAL FOCUSED PORTFOLIO BALANCED WITH GROWTH STAGE COMPANIES

GROWTH STAGE	ENERGY STORAGE 		NANOMATERIALS 		ARTIFICIAL INTELLIGENCE	UNDER REVIEW
Craig International Ballistics (CIB)	PowerPlus Energy	Li-S Energy	BNNT Technology	White Graphene	Advanced Mobility Analytics Group (AMAG)	3D Dental, Ballistic Glass, Strategic Alloys, and Precious Metals
						
CIB is a leading Australian manufacturer of ballistic protection solutions which provide both personal protection and platform protection to military aircraft, vessels and vehicles.	PowerPlus Energy supplies Australian manufactured modular battery storage solutions utilising lithium ferro phosphate cell technology.	ASX-listed battery technology company seeking to commercialise patented lithium sulphur battery technology.	BNNT Technology (BNNTTL) is at the cutting edge of commercialising boron nitride nanotubes (BNNT) and creating upstream markets for the technology.	White Graphene Limited is developing and manufacturing White Graphene which is a nanomaterial with significant commercial potential in multiple product applications.	AMAG has developed Software-as-a-Service video analytics technology that changes the paradigm of current traffic safety management practice.	PPK has interests in a number of other early-stage technology companies
45%	51%	50.23%	51.02%	55.25%	32.5%	

PPK ownership

# INVESTMENT UPDATES



# BUILDING MOMENTUM

Power 

## FY23 Highlights

- May acquisition by PPK
- On-grid LiFe 4838P battery with Clean Energy Council Certification
- Rebrand completed successfully

## FY24 Priorities

- Increase revenue across key market sectors
- Continued factory automation
- Growing the BESS opportunity








- Ex-Australia Post distribution centre
- Abundant manufacturing configuration options
- Continued factory automation





**CEC Listed LiFe4838P**  
**Now Available!**

We are excited to announce our new LiFe4838P battery is officially part of our products on offer. LiFe4838P has the same "Built to Simplify the Job" ethos you got to know and love.

[Learn More](#)





-  On and Off-Grid Projects
-  15% Increased Capacity
-  Improved BMS Protection
-  Advanced Status Indicators

[Learn More](#)



## Resort island off-grid setup

-  30+ additional sales targets
-  Modular architecture



# AGILE. INNOVATIVE. PROVEN.

## FY23 Highlights

- Strong financial performance
- New in-house R&D capabilities installation (inhouse testing, stab and spike)

## FY24 Priorities

- Installation and commissioning of new hydraulic press
- Deliver on strong contracted order book (already ~60% of last FY)
- Leverage new in-house R&D



# ENHANCING COMPETITIVE ADVANTAGE



Developed semi-solid-state Li-S technology for improved performance and energy density



New eAviation & drone partners in place with projects to trial our cells



BNNT and Li-nanomesh unique IP to enhance cell performance



Phase 3 - 2MWh production & testing facility on track to complete November 2023



Strong fiscal management with \$33.5M in available cash at 30 June 23



Enhanced team with extensive scientific, engineering, and battery scale up experience



# Phase 3 2MWh plant approaching commissioning

- Automated production equipment currently being manufactured for commissioning in Q3 2023.
- The \$10M 2MWh production facility is well advanced
- Will scale up automated manufacturing processes, and deliver batteries for customer trials
- The dry room has been completed, with clean rooms, blast proof battery testing facilities and additional offices in progress





## FY24 KEY PRIORITIES



Cell data sheet and test cells issued to key partners



Additional eAviation & drone partners in place with projects to test Li-S cells



Increase global reach, leveraging advisory panel



Phase 3 facility fully operational



Prudent use of cash to drive growth and develop new commercial opportunities



Enhanced team with extensive scientific and battery scale up experience



# COLLABORATE, VALIDATE, TRADE



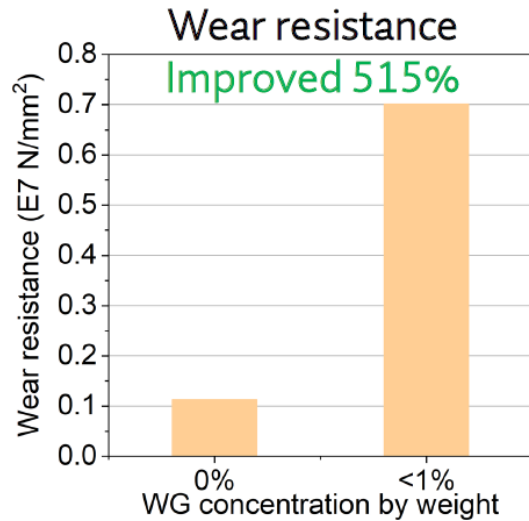
## FY23 Highlights

- Gelcoat results
- Independent validations in progress
- Commercial focus
- Won the Boeing Sustainability in Space competition

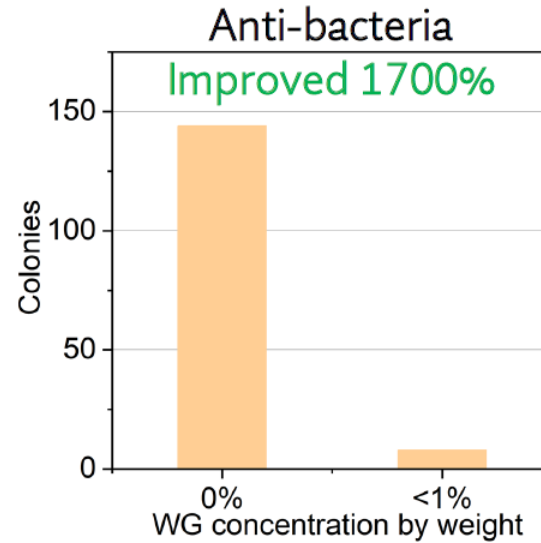
## FY24 Priorities

- Installation and commissioning of commercial scale plant
- Independent validation results conversion to Trade
- Product registration to enable commercial sale quantities
- Grow the pipeline

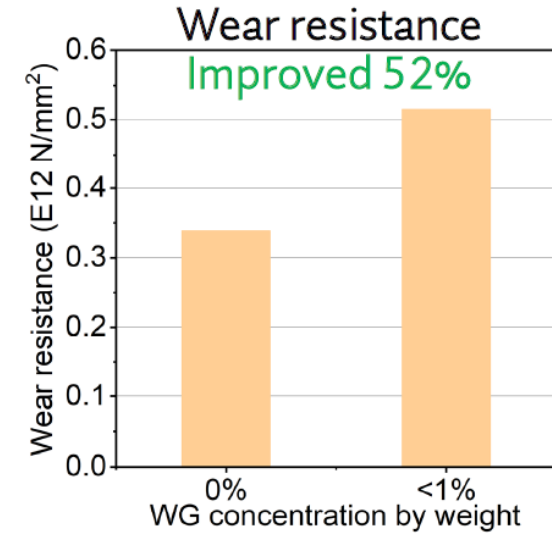
# POSITIVE COATING RESULTS\*



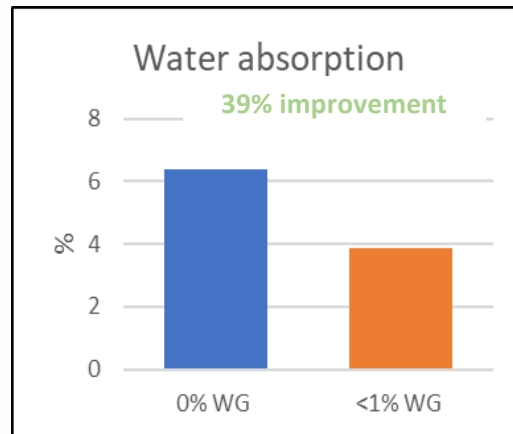
**PU timber coating**



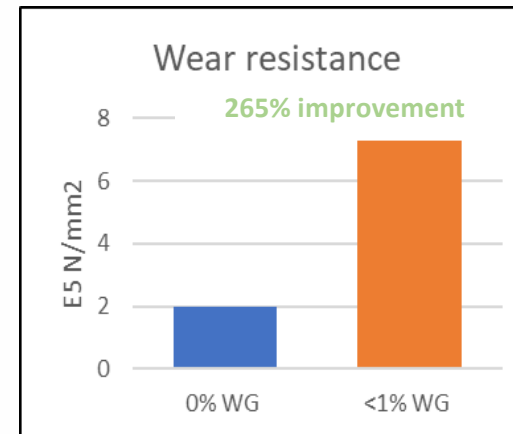
**Water-based acrylic**



**Epoxy flooring**



**Maritime gelcoat**



**Maritime gelcoat**


\* August 2022, [Positive-test-results-received-for-white-graphene-in-gelcoat.pdf](https://irmau.com/positive-test-results-received-for-white-graphene-in-gelcoat.pdf) (irmau.com)



# MARKET AWARENESS AND EVENT PARTICIPATION



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## Feature Story

### Boeing selects QLD startup to explore space sustainability

- Brisbane-based White Graphene wins Boeing-backed Aerospace Xelerated startup program
- Advanced nanomaterials concept could help Boeing space teams protect future spacecraft

**BRISBANE, Australia, May 15, 2023** – Nanomaterials proved to be the 'strongest element' at a recent Sustainability in Space Pitch Challenge, with Boeing to invest up to \$100,000 in White Graphene's winning nanomaterials technology concept.

The Queensland startup was one of six who pitched to industry experts on how their technologies could solve sustainability challenges in space, including health and wellbeing, energy and protection from radiation.



Lea Diffey deputy director-general, Innovation, Department of Tourism, Innovation and Sport; Lieuwke de Jong, managing director, White Graphene; Sisi Jin - Strategy analyst, Aerospace Xelerated; and Heidi Hauf - Boeing Regional Sustainability lead, APAC.



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## TOP 50 SILVER AWARD

# White Graphene

DATE AWARDED  
**04/07/2023**

JUDGES

**Bruce Minty**  
Senior Product Manager, MYST

**Dr Munib Karavdic**  
PhD, MEng  
Conjoint Professor Design and Innovation, AGSM, UTS

**Bradley Trewhin**  
Regional Sales and Operations Development Manager,  
Boeing Australia Manufacturing Solutions

**Rodney Ryan**  
State Manager, Garuda Corporation, Victoria and Tasmania

**Tyson Bowen**  
Manager, PR and Communications,  
Advanced Manufacturing Growth Centre

COMMENTS

This is presented to your team in recognition of their commitment to innovation, an essential driver of progress and prosperity at both the company and national level. @AuManufacturing congratulates you on your result, as judged by a panel of experts. We also thank you warmly for being a part of this important campaign.

SIGNED BY HOSTS

Co-founders and editors,  
@AuManufacturing



Brent Balinski



Peter Roberts



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# COLLABORATE, VALIDATE, TRADE

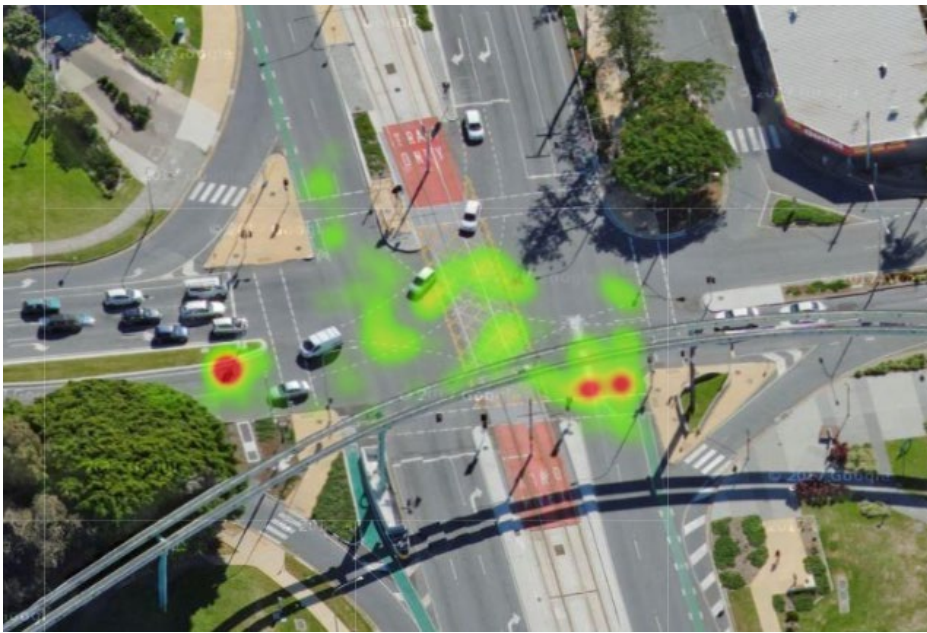


## FY23 Highlights

- Lowest global cost producer against market available information
- TenCate collaboration and distribution agreement
- Continued to support Li-S cell development

## FY24 Priorities

- Building upon distributor relationships
- BNNT derivative at a more accessible price point
- TenCate application testing and broader market collaboration
- Product registration to enable commercial sale quantities
- Grow the pipeline and independent validations



With AMAG - Focus on conflicts (proactive)



Without AMAG - Focus on crashes (reactive)

## PROACTIVELY PREVENT FUTURE FATALITIES AND INJURIES

### FY23 Highlights

- 500% increase in customers (4 to 24)
- Stinson Canadian exclusive partnership
- AWS certification
- Strengthened North America leadership

### FY24 Priorities

- Convert pipeline and increase average deal size
- Deliver new functionality



- Large global market
- US largest single country market
- Demand driven by government priority to improve road safety and reduce fatalities

# CONFLICT ANALYTICS\*




\* Deliberately blurred for privacy


# SHARED USE PATH ANALYTICS\*



\* Deliberately blurred for privacy


# IMPROVED EXTERNAL COMMUNICATION

About Our Investments Investor Centre News & Media 



**Investing in new technology today, to build a better tomorrow.**



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**WHO WE ARE**

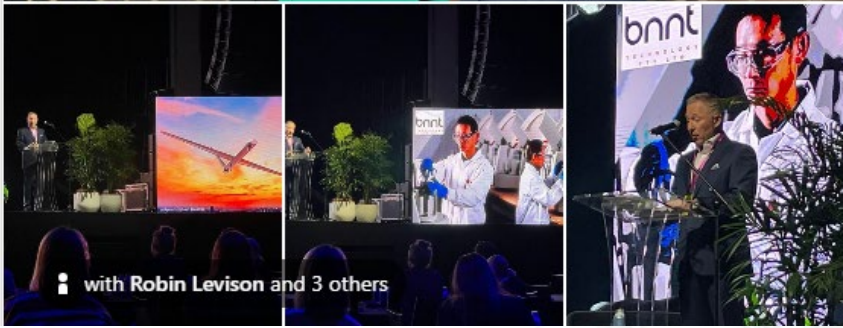
PPK invests capital and expertise in high-potential science and technology opportunities that will power the world's transition to a low carbon economy. Our portfolio is underpinned by patented, advanced technologies with the potential to revolutionise multiple sectors including space, defense, aviation and transport. Through collaboration and partnerships we will build global markets for our technologies and help create the industries of the future.

[Our Investments](#)

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A great start to SomethingQ hearing from some of Queensland's most innovative companies and leaders.

[...see more](#)



# FINANCIAL RESULTS

As at 30 June 2023

# PPK Group Financial Reporting Structure

## PPK GROUP *Subsidiaries*

Includes 100 % of operating results, assets and liabilities of:



## PPK GROUP *Associates*

Includes % share of associate profit/loss:





# FINANCIAL HIGHLIGHTS\*

- Total assets of \$105.7M
- Cash balance of \$39.9m
- Inventory of \$12.1M
- Investments in Associates of \$9.8M
- Property, plant and equipment of \$10.6M

	30 June 2023 \$M
<b>Assets</b>	
Cash	39.9
Receivables and other current assets	5.9
Inventory	12.1
Investment in associates	9.8
Property, plant and equipment	10.6
Other non-current assets	57.2
<b>Total Assets</b>	<b>135.5</b>
<b>Liabilities</b>	
Trade and other payables	10.1
Provisions and other current liabilities	8.0
Borrowings (PPE \$2.8m)	3.3
Other non-current liabilities	8.4
<b>Total Liabilities</b>	<b>29.8</b>
<b>NET ASSETS</b>	<b>105.7</b>

\* as at 30 June 2023:

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