



ASX ANNOUNCEMENT

FOR IMMEDIATE RELEASE TO THE MARKET

PPK Group Limited – ASX Code: PPK

9 November 2020

PPK establishes new Strategic Alloys joint venture with Amaero International Limited and Deakin University.

- PPK has entered a Joint Venture Research Agreement (JVRA) with Deakin University (Deakin) and Amaero Alloys Pty Ltd, a subsidiary of Amaero International Limited (Amaero) to develop a super strength aluminium alloy.
- The JVRA parties have incorporated Strategic Alloys Pty Ltd to undertake this advanced materials project, with Strategic Alloys owned 45% by PPK, 45% by Amaero Alloys Pty Ltd and 10% by Deakin University.
- The new super strength aluminium alloy will include Boron Nitride Nanotubes (BNNT) in its formulation, which acts as a nano-reinforcement in certain metals, significantly improving mechanical properties.
- The research will be undertaken at Amaero's manufacturing plant and R&D Laboratories at Notting Hill, Victoria, in addition to Deakin University in Geelong.
- BNNT Technology Limited, a subsidiary of PPK, is a leading manufacturer and supplier of high grade BNNT products.
- Multiple applications exist for super strength aluminium with industries including aerospace and defence continually seeking materials that are lighter, stronger and more durable.
- The research and development for the JVRA will commence in November 2020, with initial material validation expected in early 2021.
- The JVRA is an exciting opportunity to develop this revolutionary technology in Australia and create new industry, employment, products and exports for years to come.

PPK Group Limited (ASX Code: PPK) is pleased to announce that it has entered into a Joint Venture Research Agreement (JV) with Amaero Alloys Pty Ltd, a subsidiary of Amaero International Limited (Amaero) (ASX Code:3DA) and Deakin to develop a super strength aluminium alloy.

The parties have incorporated Strategic Alloys Pty Ltd ("Strategic Alloys") to undertake this advanced materials project. Strategic Alloys is owned 45% PPK Aust Pty Ltd, 45% by Amaero Alloys Pty Ltd and 10% by Deakin University.

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The JVRA involves creating a new super strength aluminium alloy that includes Boron Nitride Nanotubes (BNNT) in its formulation, acting as a nano-reinforcement in certain metals, significantly improving mechanical properties. BNNT is a revolutionary nanomaterial that is stable at temperatures far in excess of the melting point of aluminium and other metals, and is one of the strongest materials known.

The JVRA between Amaero, PPK and Deakin, is a new partnership in materials development that will give rise to new IP and create opportunities for high end applications across the aerospace and defence industries as well as some other high performance markets. The JV aims to develop this revolutionary technology in Australia and create new industry, employment, products and exports for many years to come.

BNNT Technology Limited, a company leading the development, manufacture and commercialisation of BNNT, and subsidiary of PPK Group Limited with head offices in Brisbane. Amaero International Limited is a specialist in metal additive manufacturing (3D printing) for the defence, aerospace and tooling sectors.

The JVRA research will be undertaken at Amaero's manufacturing plant and R&D Laboratories at Notting Hill, Victoria, in addition to Deakin in Geelong,

Commenting on the JVRA, the Executive Chairman of PPK Mr. Robin Levison, said: "We are looking forward to working with Amaero on this project, it is an important step in demonstrating the benefits of BNNT additions to alloys that will provide valuable data for clients interested in the unique properties that can be delivered".

Amaero International Limited CEO, Barrie Finnin, said: "The Joint Venture between Amaero, PPK and Deakin University, is a new partnership in materials development that will give rise to new IP and create opportunities for high end applications across the aerospace and defence industries as well as some other high performance markets. The JV aims to develop this revolutionary technology in Australia and create new industry, employment, products and exports for many years to come."

Multiple applications exist for high strength aluminium alloys, with industries including sporting goods, auto racing, aerospace and defence, continually seeking materials that are lighter, stronger and more durable.

The research for the JV will commence in November 2020 and the Company expects initial material validation in early 2021.

This announcement has been approved and authorised by the Board.

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