



Alpha **HPA**
ABN 79 106 879 690

ASX: **A4N**
ASX Announcement
5 September 2019

The Manager Companies
ASX Limited
20 Bridge Street
Sydney NSW 2000

(2 pages by email)

SUCCESSFUL AMGC GRANT APPLICATION

- **\$400K grant funding approved from the Advanced Manufacturing Growth Centre (AMGC)**
- **Funding to support HPA Pilot Plant operations and vendor testwork**

Alpha HPA Limited ('Alpha' or 'the Company') is pleased to announce it has successfully applied to the Advanced Manufacturing Growth Centre ('AMGC') for \$400,000 of funding towards the operation of the HPA First Pilot Plant and vendor testwork in support of the HPA First Definitive Feasibility Study ('DFS'). The funding is supplied under the Advanced Manufacturing Early Stage Research Fund and will be matched by funding from Alpha. The successful application comes after a detailed technical and commercial evaluation of the HPA First project.

Managing Director, Rimas Kairaitis, commented; "*We are delighted to have the support of AMGC, and to have their endorsement of the HPA First project*".

Dr Jens Goennemann, Managing Director AMGC, stated; "*We are excited to back Alpha HPA. Alpha's technology promises to increase our industry's position in the global marketplace in lithium-ion battery manufacturing and helps Australia to add more value to its commodities*".

For further information, please contact:

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About the 'HPA First' Project

The Company's HPA First project represents the evaluation and intended commercialisation of the production of ~10,000tpa of high purity alumina (HPA) using the Company's proprietary licenced solvent extraction and HPA refining technology. The technology provides for the extraction and purification of aluminium from an industrial feedstock to produce 4N (>99.99% purity) alumina for the intended use within the lithium ion battery and LED lighting industry. Following a successful testwork program and Pre-Feasibility Study (PFS), updated in March 2019, Alpha is now completing a pilot plant program at its dedicated laboratory facility in Brisbane, as part of a full definitive Feasibility Study (DFS) due for delivery in CY2019.

Key highlights of the PFS (ASX: 7 March 2019):

- Unit production costs of **US\$5,123** per tonne of HPA (after by-product credits)
- Annual Free Cash Flow (FCF) at full production rate, of **US\$199 million** (assuming US\$25,000/t HPA)
- Capital Expenditure of US\$149 million

About Advanced Manufacturing Growth Centre (AMGC)

The Advanced Manufacturing Growth Centre is an industry-led organisation established through the Australian Government's Industry Growth Centres initiative. The vision for the Advanced Manufacturing Growth Centre is to develop an internationally competitive, dynamic and thriving Australian advanced manufacturing sector that is critical to the long-term health of the economy and the nation.

<http://www.amgc.org.au>

AMGC Media Contact

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