



Alpha **HPA**

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The Manager Companies - ASX Limited  
20 Bridge Street  
Sydney NSW 2000

ASX: **A4N**  
ASX Announcement  
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(2 pages)

## MoU TO MARKET HIGH PURITY ALUMINIUM PRODUCTS TO SPECIALTY NORTH AMERICAN MARKETS

- **MoU with Rhineland Specialties to market Alpha's high purity products to specialty North American markets**
- **Rhineland MoU to complement existing marketing activities with Traxys**
- **Includes contemplated volumes of up to 6,000kg per month for each of Alpha's high purity precursor products**
- **Traxys to supply logistics support for Rhineland product sales**

The Board of Alpha HPA Limited ('Alpha' or 'the Company') is pleased to provide an update on activities for its HPA First Project, representing the evaluation and intended commercialisation of the production of ~10,000tpa equivalent of high purity alumina (HPA) and related products using the Company's proprietary licenced solvent extraction (SX) and HPA refining technology.

### MEMORANDUM OF UNDERSTANDING

Alpha has signed a Memorandum of Understanding (MoU) with Rhineland Specialties Inc, USA ('Rhineland') with respect to the marketing and wholesaling of the Company's range of high purity aluminium products to specialty markets in North America. The MoU includes marketing into the following markets where Rhineland have particular expertise, which demand high purity raw materials, and which generally attract premium pricing:

- Specialty Chemicals
- Photonics
- Optics and specialty laser applications
- Solar/PV
- Thin film/coatings
- Composites
- Ceramics
- Nanomaterials

The Rhineland MoU is particularly focussed on the marketing of the Company's two high purity aluminium precursor products into these markets, and contemplates volumes of up to 6,000kg per month for each pre-cursor.

Rhineland have already facilitated the maiden sale of Alpha 5N pre-cursor product (ASX: 11 November 2020), and are continuing to expand their market outreach in the expectation of further sales.

### Complementary to Traxys Marketing

The Rhineland MoU has been negotiated in co-operation with Traxys as a complement to their marketing arrangements, as it provides market access to specialist applications in addition to the larger volume Li-B and LED lighting markets which are subject to the Traxys and Alpha marketing efforts.

Alpha and Traxys are also co-ordinating logistics solutions for higher volume orders that may be generated from the Rhineland product marketing.

Managing Director, Rimas Kairaitis, commented; *“Alpha is very pleased to be working with Rhineland and their expertise in the application of high purity products in high-value specialty markets is an excellent complement to our wider marketing relationship with Traxys”.*

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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 equivalent of high purity alumina (HPA) and related products 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 completion of a Pre-Feasibility Study (PFS), updated in March 2019, Alpha has now completed Definitive Feasibility Study (DFS) based on the successful completion of its Pilot Plant program at its dedicated laboratory facility in Brisbane.

The Company has commenced full permitting, market outreach and project financing processes, with the expectation of positioning the HPA First Project to Final investment Decision.