



Andromeda Metals Limited ASX: ADN ASX Announcement

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HPA Pilot Plant Commissioned and Optimisation and Testwork Program Underway

- **HPA Pilot Plant commissioned**
- **Pilot plant optimisation and testwork program underway**
- **Commercial 4N HPA samples targeted for customer evaluation in H2 2026**
- **Additional value potential from silica and gallium co-products under evaluation**

Andromeda Metals Limited (ASX: **ADN**) (**Andromeda**, the **Company**) is pleased to advise that commissioning of the High Purity Alumina (**HPA**) pilot plant has been completed and the pilot plant optimisation and testwork program is now underway.

The testwork program will focus on optimising the continuous flowsheet process, advancing HPA product development and evaluating opportunities to generate additional value through the production of co-products, including amorphous silica and gallium¹. As part of the optimisation of the pilot plant, a number of enhancements identified during commissioning are being implemented to support the transition from laboratory-scale testwork to pilot-scale continuous operation.

One of the key objectives of the program is to produce commercial HPA samples for evaluation by potential customers. HPA is a highly refined form of aluminium oxide. It is a recognised critical mineral in Australia, USA and Europe² and used in high growth end-use markets such as LEDs, lithium-ion battery separators, electronics and semiconductors and synthetic sapphire glass.³ It is also used in next generation applications, including data centres powering AI, aerospace and defence.⁴

Given Andromeda's proprietary process is very flexible, HPA product can be tailored to suit various customer requirements, including differing morphology and product form. Feedback from potential customers is expected to help guide product development and identify key target markets for future feasibility studies.

¹ Refer ADN ASX dated 22 June 2026 titled *High Purity Alumina Project Update*.

² HPA is included on the Critical Minerals Lists by Australia, the United States and the European Union – see respectively <https://www.industry.gov.au/publications/australias-critical-minerals-list-and-strategic-materials-list>, <https://www.usgs.gov/news/nationalnews-release/us-geological-survey-releases-2022-list-critical-minerals>, https://single-market-economy.ec.europa.eu/sectors/raw-materials/areas-specific-interest/critical-rawmaterials_en

³ High Purity Alumina Special Report 2023, CRU

⁴ High Purity Alumina Market Assessment, FutureBridge (commissioned by Andromeda), August 2025



Through its HPA Project, Andromeda is seeking to develop the next-generation HPA supply chain, independent of traditional aluminium markets, leveraging its high-quality, low-impurity Great White kaolin as feedstock and proprietary HPA processing pathway, which has already demonstrated 99.9985%⁵ HPA purity at laboratory scale.

The value creation potential of this HPA opportunity, highlighted in the Company's 2025 Scoping Study⁶, showed strong project economics and the potential for Andromeda to be highly competitive globally, particularly on cost of production and capital intensity.

As part of the testwork program, the by-product materials generated will be further analysed and assessed for potential commercial applications. This includes amorphous silica and minor elements such as the critical mineral gallium.

The reclassification of by products as high-value co-products could further enhance the strong economics and market-leading low-cost production potential of HPA as outlined in the 2025 HPA Scoping Study.

The testwork program aims to:

- Scale-up and optimise the continuous flowsheet process;
- Produce commercial samples of HPA for distribution to potential customers for evaluation; and,
- Produce by-product materials for further analysis and assessment of their value-add potential.

Following is a summary of planned pilot HPA testwork activities, with their progress status:

• Commissioning of pilot plant	✓ Completed
• HPA testwork program	Underway
• Optimisation of pilot plant	Underway
• First production of HPA samples	Planned in Q3 2026
• Samples available for customer evaluation	Planned in 2H 2026
• Generate by-products materials for evaluation and assessment of value-add potential	In progress
• Prove scalability and support engineering design of a commercial facility	Inputs used for planned Prefeasibility Study (PFS)

⁵ Refer ADN ASX dated 1 May 2025 titled *Andromeda Achieves HPA Breakthrough: Successful Production of 4N HPA & Validation of Novel Flow Sheet*.

⁶ Refer ADN ASX dated 18 September 2025 titled *HPA Scoping Study demonstrates market-leading economics of Andromeda's innovative technology*; all material assumptions and technical parameters underpinning the estimates and forecast financial information continue to apply and have not materially changed.



Sarah Clarke, Andromeda's Acting CEO said:

"Commissioning of the HPA pilot plant is a key milestone for Andromeda's critical minerals High Purity Alumina project.

"Under the program of testwork and optimisation, our focus is now on advancing product development, producing commercial HPA samples for customer evaluation while also assessing by-product materials for their potential to add further incremental value."

This announcement has been approved for release by the Board of Andromeda Metals Limited.

For more information about the Company and its projects, please visit our website at www.andromet.com.au or contact:

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