

# ASX ANNOUNCEMENT AND MEDIA RELEASE

1 June 2018

# ALTECH – MALAYSIAN MANUFACTURING LICENCE RECEIVED

## **Highlights**

- Manufacturing licence received for 4,500tpa HPA plant
- Final instalments paid for Malaysian HPA plant site
- Project continues to progress

Altech Chemicals Limited (Altech/the Company) (ASX: ATC) (FRA: A3Y) is pleased to announce that it has now received the official manufacturing licence from the Malaysian government for the Company's proposed 4,500tpa high purity alumina (HPA) plant in Johor, Malaysia.

In February 2018 the Malaysian Investment Development Authority (MIDA) advised the Company that its application for a manufacturing licence had been approved and that the licence would be issued subject to the submission of various additional documents, including a letter of 'No Objection' from the Johor state government. The Company received a letter of 'No Objection' from the Johor State Investment Centre during the quarter and has now received the manufacturing licence for its proposed HPA plant.

On 22 May 2018 the Company announced that it had paid the final instalments totalling AU\$5.1 million for the HPA plant site in Johor. These final payments secured the site and the Company will receive the deed of title (30 year lease, with the option to renew for an additional 30 years) from the Johor state government in due course.

Figure 1. Malaysian HPA Plant Development Stages



Altech is delighted with the support that it is receiving for its HPA project from MIDA, Johor Corporation, the state of Johor and the Malaysian federal government. The prompt issuance of the letter of 'No Objection' and Altech's manufacturing licence is testament to support for the project, which will represent a total investment in Malaysia of approximately 1.2 billion ringgit.

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### About Altech Chemicals Ltd (ASX:ATC) (FRA:A3Y)

Altech Chemicals Limited (Altech/the Company) is aiming to become one of the world's leading suppliers of 99.99% (4N) high purity alumina (HPA) (Al<sub>2</sub>O<sub>3</sub>).

HPA is a high-value, high margin and highly demanded product as it is the critical ingredient required for the production of synthetic sapphire. Synthetic sapphire is used in the manufacture of substrates for LED lights, semiconductor wafers used in the electronics industry, and scratch-resistant sapphire glass used for wristwatch faces, optical windows and smartphone components. There is no substitution for HPA in the manufacture of synthetic sapphire.



Global HPA demand is approximately 25,315tpa (2016) and demand is growing at a compound annual growth rate (CAGR) of 16.7% (2016-2024), primarily driven by the growth in worldwide adoption of LEDs. As an energy efficient, longer lasting and lower operating cost form of lighting, LED lighting is replacing traditional incandescent bulbs.

Current HPA producers use expensive and highly processed feedstock materials such as aluminium metal to produce HPA. Altech has completed a Final Investment Decision Study (FIDS) for the construction and operation of a 4,500tpa HPA plant at the Tanjung Langsat Industrial Complex, Johor, Malaysia. The plant will produce HPA directly from kaolin clay, which will be sourced from the Company's 100%-owned kaolin deposit at Meckering, Western Australia. Altech's production process will employ conventional "off-the-shelf" plant and equipment to extract HPA using a hydrochloric (HCI) acid-based process. Production costs are anticipated to be considerably lower than established HPA producers.

The Company is currently in the process of finalising project financing with the aim of commencing project development in 2018.

#### Forward-looking Statements

This announcement contains forward-looking statements which are identified by words such as 'anticipates', 'forecasts', 'may', 'will', 'could', 'believes', 'estimates', 'targets', 'expects', 'plan' or 'intends' and other similar words that involve risks and uncertainties. Indications of, and guidelines or outlook on, future earnings, distributions or financial position or performance and targets, estimates and assumptions in respect of production, prices, operating costs, results, capital expenditures, reserves and resources are also forward-looking statements. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions and estimates regarding future events and actions that, while considered reasonable as at the date of this announcement and are expected to take place, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies. Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of the Company, the directors and management. We cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will actually occur and readers are cautioned not to place undue reliance on these forward-looking statements. These forward-looking statements are subject to various risk factors that could cause actual events or results to differ materially from the events or results estimated, expressed or anticipated in these statements.

