



24 March 2022

ASX:**FYI** | OTCQX:**FYIRF**

FYI TO PRESENT AT BRISBANE MINING ENERGY & MINERALS CONFERENCE

FYI Resources Limited (ASX: FYI, 'FYI' or the 'Company') is pleased to announce that Managing Director Roland Hill will be presenting at the Brisbane Mining Energy & Minerals Conference today, **Thursday, 24 March 2022 at 2:15pm (AEDT); 11:15am (WST)**.

Investors can register for the event at:

<https://www.brisbaneminingconference.com.au/>

A copy of the presentation follows.

This announcement is authorised for release by Roland Hill, Managing Director

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About FYI Resources Limited

FYI's is positioning itself to be a significant producer of 4N and 5N HPA in the rapidly developing high-tech product markets.

FYI applies both an ESG and economic overlay of the Company and its operations to ensure long-term sustainable and shareholder value is created via the development of the Company's innovative, high quality, ultra-pure HPA project.

HPA is increasingly becoming the primary sought-after input material for certain high-tech products principally for its unique properties, characteristics and chemical properties that address those applications high specification requirements such as LED's and other sapphire glass products.

The longer-term driver for HPA, with forecasts of >17% CAGR*, is the outlook for the burgeoning electric vehicle and static energy storage markets where the primary function is in the use as a separator material between the anode and cathode in batteries to increase power, functionality and safety of the battery cells.

The foundation of the HPA strategy the Company's moderate temperature, atmospheric pressure innovative process flowsheet. The strategy's quality attributes combine resulting in world class HPA project potential.

* CRU HPA Industry Report 2021



WWW.FYIRESOURCES.COM.AU

ASX:FYI
FSE:SDL
OTCQX:FYIRF

HPA PROJECT OUTLINE

Brisbane Mining Conference

24 March 2022

DEVELOPING A WORLD CLASS INTEGRATED
HIGH PURITY ALUMINA (HPA) PROJECT



DISCLAIMER

Cautionary Statement

This presentation is for information purposes only. Neither this presentation nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of shares in any jurisdiction. This presentation may not be distributed in any jurisdiction except in accordance with the legal requirements applicable in that jurisdiction.

The DFS referred to in this presentation is a study of the potential viability of the Cadoux Project. It has been undertaken to understand the technical and economic viability of the Project. The DFS assumes as a 25-year Project life based only on Proved and Probable Ore Reserves (100%). The DFS is based on the material assumptions and modifying factors set out in the DFS announcement and the appended summary of the DFS released to ASX on 8 April 2021. These include assumptions about the availability of funding. While the Company considers all of the material assumptions to be based on reasonable grounds, there is no certainty that they will prove to be correct or that the range of outcomes indicated by this DFS will be achieved. To achieve the range of outcomes indicated in the DFS funding in the order of US\$202 million will likely be required. Investors should note that there is no certainty that the Company will be able to raise the amount of funding when needed. It is also possible that such funding may only be available on terms that may be dilutive to or otherwise affect the value of the Company's existing shares. It is also possible that the Company could pursue other "value realisation" strategies such as a sale, partial sale or joint venture of the Project. If it does, this could materially reduce the Company's proportionate ownership of the Project. Given the uncertainties involved, investors should not make any investment decisions based solely on the results of the DFS. The contents of this presentation reflect various technical and economic conditions, assumptions and contingencies which are based on interpretations of current market conditions at the time of writing. Given the nature of the resources industry, these conditions can change significantly and without notice over relatively short periods of time. Consequently, actual results may vary from those detailed in this presentation. Some statements in this presentation regarding estimates or future events are forward-looking statements. They include indications of, and guidance on, future earnings, cash flow, costs and financial performance.

Such forward-looking statements are provided as a general guide only and should not be relied on as a guarantee of future performance. When used in this presentation, words such as, but are not limited to, "could", "planned", "estimated", "expect", "intend", "may", "potential", "should", "projected", "scheduled", "anticipates", "believes", "predict", "foresee", "proposed", "aim", "target", "opportunity", "nominal", "conceptual" and similar expressions are forward-looking statements. Although the Company believes that the expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties, and no assurance can be given that actual results will be consistent with these forward-looking statements. The contents of this release are also subject to significant risks and uncertainties that include but are not limited to those inherent in mine development and production, geological, mining, metallurgical and processing technical problems, the inability to obtain and maintain mine licences, permits and other regulatory approvals required in connection with mining and processing operations, competition for among other things, capital, acquisitions of reserves, undeveloped lands and skilled personnel, incorrect assessments of the value of projects and acquisitions, changes in commodity prices and exchange rates, currency and interest rate fluctuations and other adverse economic conditions, the potential inability to market and sell products, various events which could disrupt operations and/or the transportation of mineral products, including labour stoppages and severe weather conditions, the demand for and availability of transportation services, environmental, native title, heritage, taxation and other legal problems, the potential inability to secure adequate financing and management's potential inability to anticipate and manage the foregoing factors and risks. All persons should consider seeking appropriate professional legal, financial and taxation advice in reviewing this announcement and all other information with respect to the Company and evaluating the business, financial performance and operations of the Company. Neither the provision of this presentation nor any information contained in this release or subsequently communicated to any person in connection with this presentation is, or should be taken as, constituting the giving of investment or financial advice to any person. This presentation does not take into account the individual investment objective, financial or tax situation or particular needs of any person.

Photographs in this presentation do not necessarily depict assets of the Company.



DISCLAIMER

Competent Person's Statement

Ore Reserves

The information in this report that relates to Ore Reserves is based on information compiled by Mr. Steve Craig, who is a Fellow of the Australasian Institute of Mining and Metallurgy. Steve Craig is a full-time employee of Orelogy Consulting Pty Ltd and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". The information is extracted from the Ore Reserve announcement released within the DFS announcement 8 April 2021 and is available to view on the Company's website at www.fyiresources.com.au

Mineral Resources

The information in this report that relates to Mineral Resources is based on information compiled by Mr Grant Louw, under the direction and supervision of Dr Andrew Scogings, who are both full-time employees of CSA Global. Dr Scogings is a Member of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. He is a Registered Professional Geologist in Industrial Minerals. Dr Scogings has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the "Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves". The information is extracted from the PFS announcement dated 25 September 2018 and is available to view on the Company's website at www.fyiresources.com.au

Metallurgy

The information in this report that relates to metallurgy and metallurgical test work is based on information reviewed and compiled by Mr Alex Borger, a Competent Person who is a Fellow of the Australian Institute of Mining and Metallurgy (AusIMM). Mr Borger is an employee of Independent Metallurgical Operations Pty Ltd, and is a contractor to FYI. Mr Borger has sufficient experience that is relevant to this style of processing and type of deposit under consideration, and to the activity that he has undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves". Announcements in respect to metallurgical results are available to view on the Company's website at www.fyiresources.com.au.

General

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the findings in the relevant market announcements continue to apply and have not materially changed and that all material assumptions and technical parameters underpinning the estimate in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original announcement.



FYI HPA PROJECT DISCUSSION POINTS



HPA Project Summary and Quality

HPA Project Economics

Project development schedule

HPA Markets

ESG Outline

Summary

HPA PROJECT SUMMARY

Defined HPA project development pathway

1

Developing and commercialising disruptive production of HPA

2

Innovative process flowsheet and technology development for HPA

3

Leading low carbon process utilizes proprietary IP and alternative feedstock

4

Project development results in outstanding project metrics

5

FYI HPA project attracting Tier 1 support and project funding

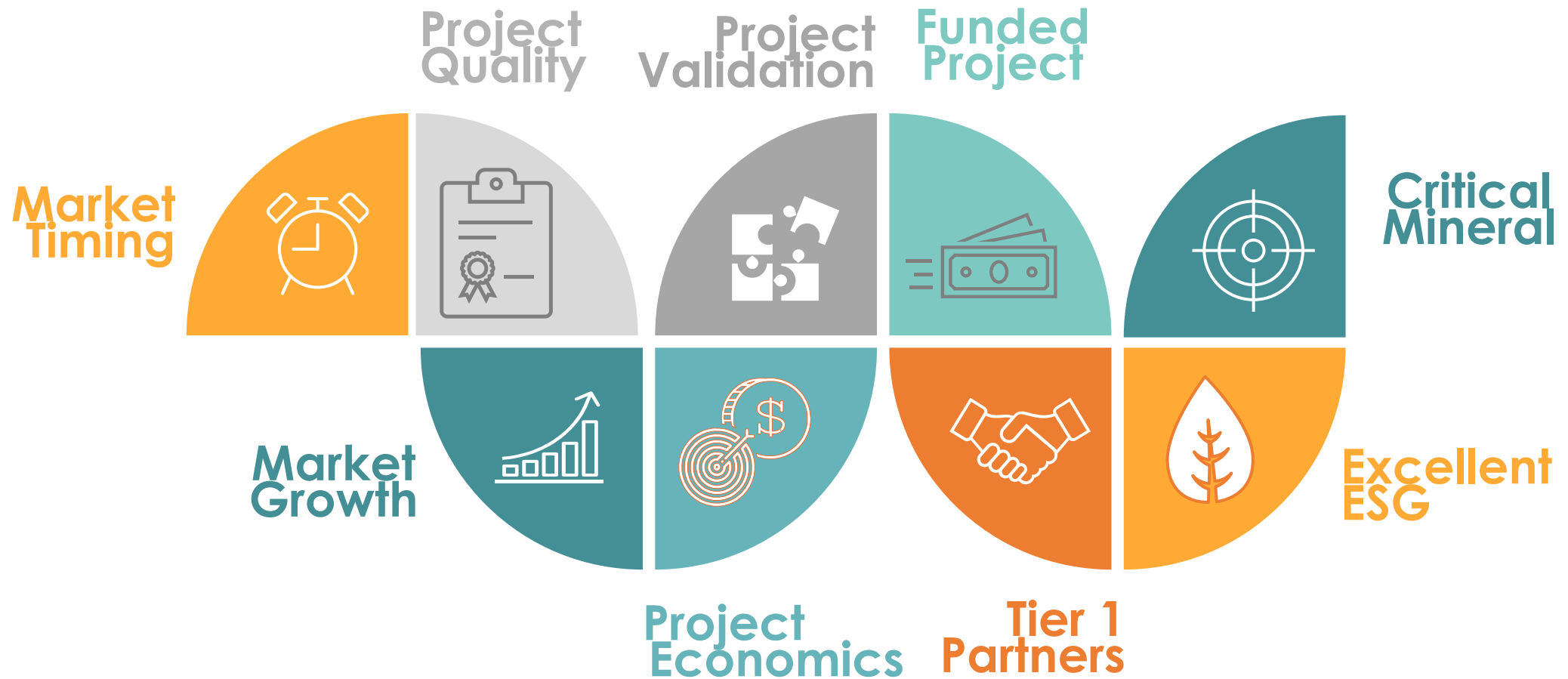
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Well timed strategy to meet forecast increased demand for HPA



FYI HPA PROJECT SNAPSHOT

Well Defined and Structured HPA Development Strategy to Commercialisation



FYI HPA PROJECT - VALUE POINTS

Outstanding project economics results supported by extensive project studies



Well defined pathway to
realising potential project

NPV
US\$1.01b*

Extensive and demonstrated
technology and economic studies

Alcoa - Tier 1 HPA partner and
project manager

US\$243m Alcoa project finance
commitment under Terms Sheet

Demonstrated HPA quality (4N & 5N)

Lowest quartile costs (capex & opex)*
= high margin

Excellent ESG rating ranked 5th
out of 149 industry peers#

DFS OUTSTANDING PROJECT ECONOMICS SUMMARY

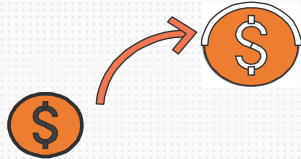
NPV Summary (post tax)

US\$6,661
HPA CASH COST



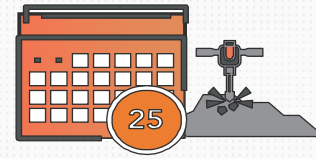
PER TONNE

55%



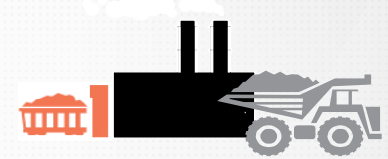
IRR

25 YEARS



DCF PROJECT FORECAST

US\$202m



CAPEX ESTIMATE

US\$186m



25 YEAR AVG ANNUAL EBITDA

3.2 YEAR



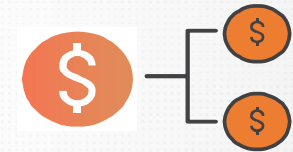
PAYBACK

US\$1,014m



AFTER-TAX NPV (@ 8%)

US\$131m



NET CASH FLOW PER ANNUM

10,000 TPA HPA PRODUCTION

US\$26,400/-T HPA SALES PRICE

15% PRODUCT IS 5N

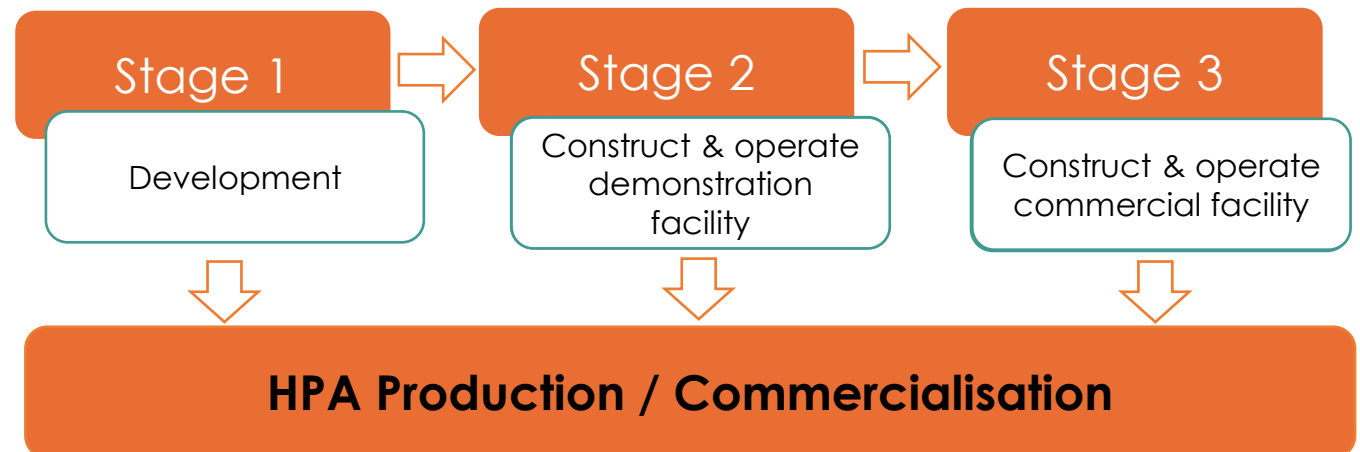
ALCOA JOINT DEVELOPMENT OF FYI HPA PROJECT



- World's leading Alumina producer
- Alcoa funding commitment of up to US\$243m
- FYI essentially fully funded
- Project production alignment
- Defined project development pathway
- Project de-risking pathway to commercial production
- Equity 65% Alcoa / FYI 35% (funded)

**Alcoa has committed US\$243m
To project funding**

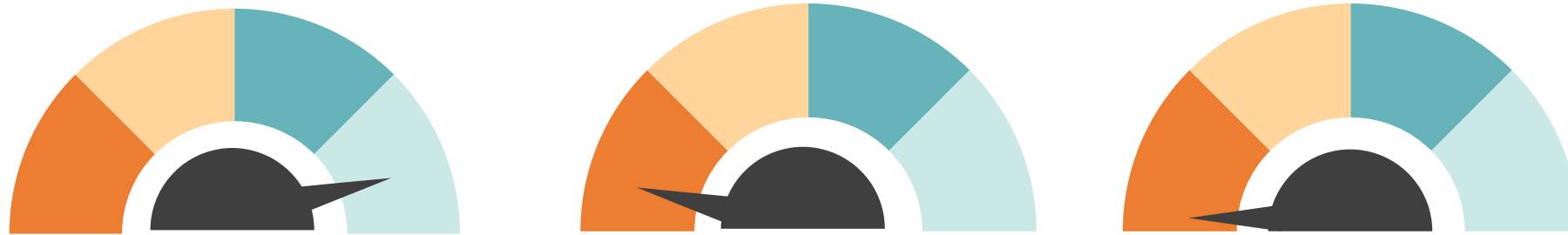
**Defined 3 stage pathway to
project development**



FYI HPA PROJECT STAGE ONE PROGRESS

HPA Project Activities Within Stage One / Two (Demonstration Plant)

- Stage One largely completed
- Stages Two and three commenced
- Large dedicated delivery team



October 2021

March 2022

Q4 CY 2022

Development

- Technologies
- Testwork
- Schedule

Engineering

- Solution Analysis
- Confirmation
- Permitting
- Orders

Construction

- Final Design
- Construction
- Operation

Development
commitment
& funding

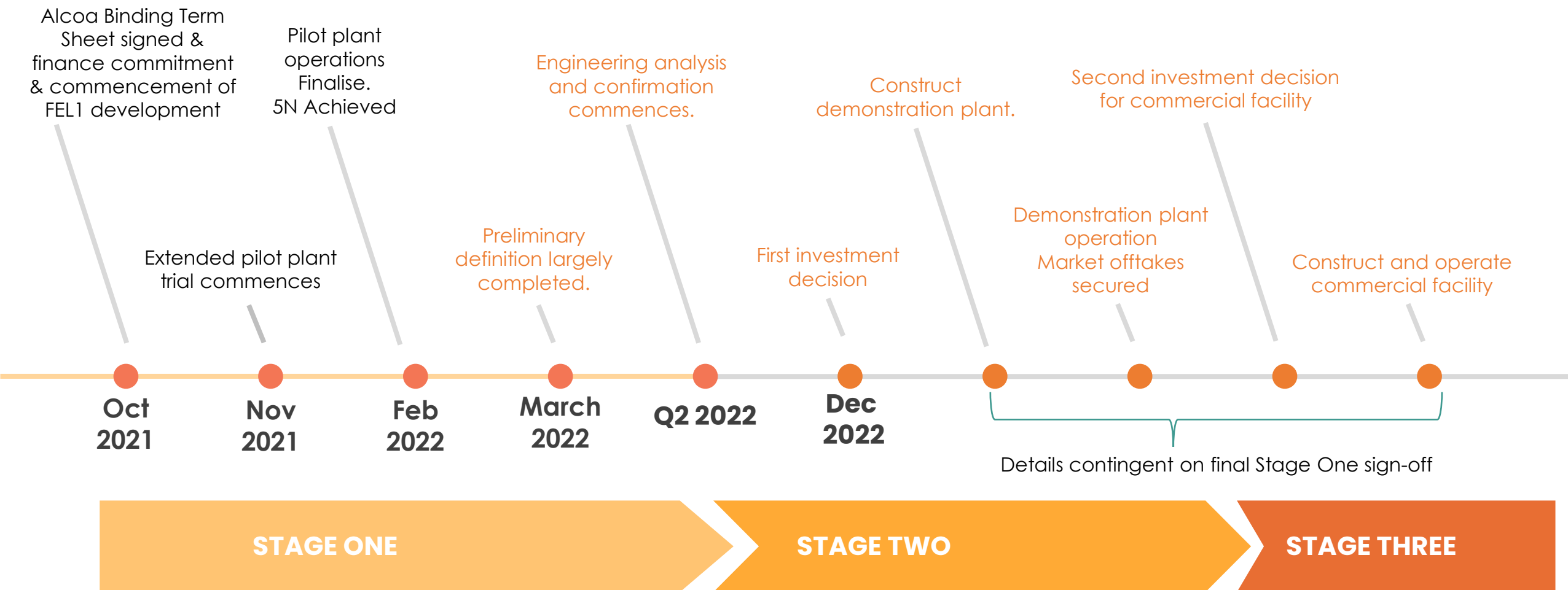
Transition to
engineering

Stage 2 Investment

fyi

FYI HPA PROJECT DEVELOPMENT OUTLINE

Three stage HPA project development schedule



HPA MARKET OVERVIEW

Global HPA markets are surging ahead of reputable supply

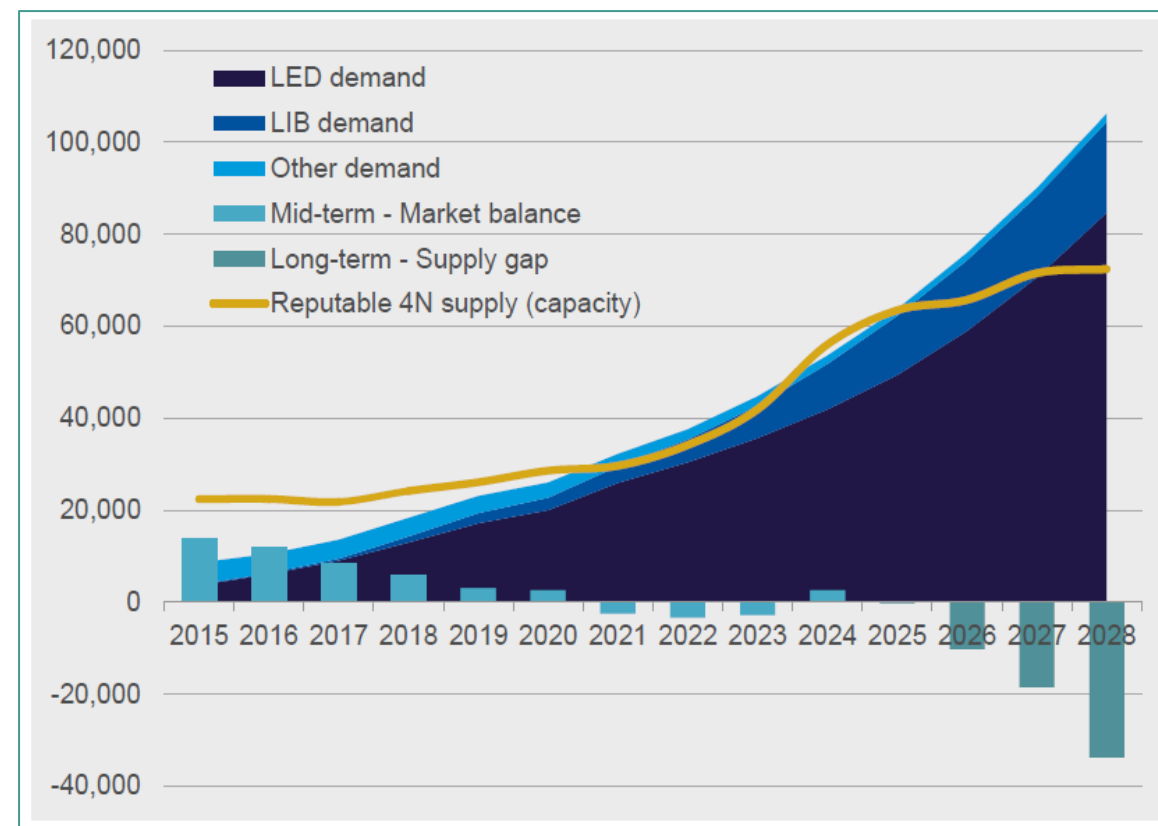
HPA growth has been invigorated in response to global investment in EV's as post COVID19 stimulus incentives

New applications and technologies have created increased demand and market opportunities

The current global 4N HPA market demand is ~30ktpa 2021; this is expected to increase to **>104ktpa by 2028***

The market for HPA is witnessing dramatic consumer driven growth, with the **HPA market forecast to be US\$4.49Bn in 2022****

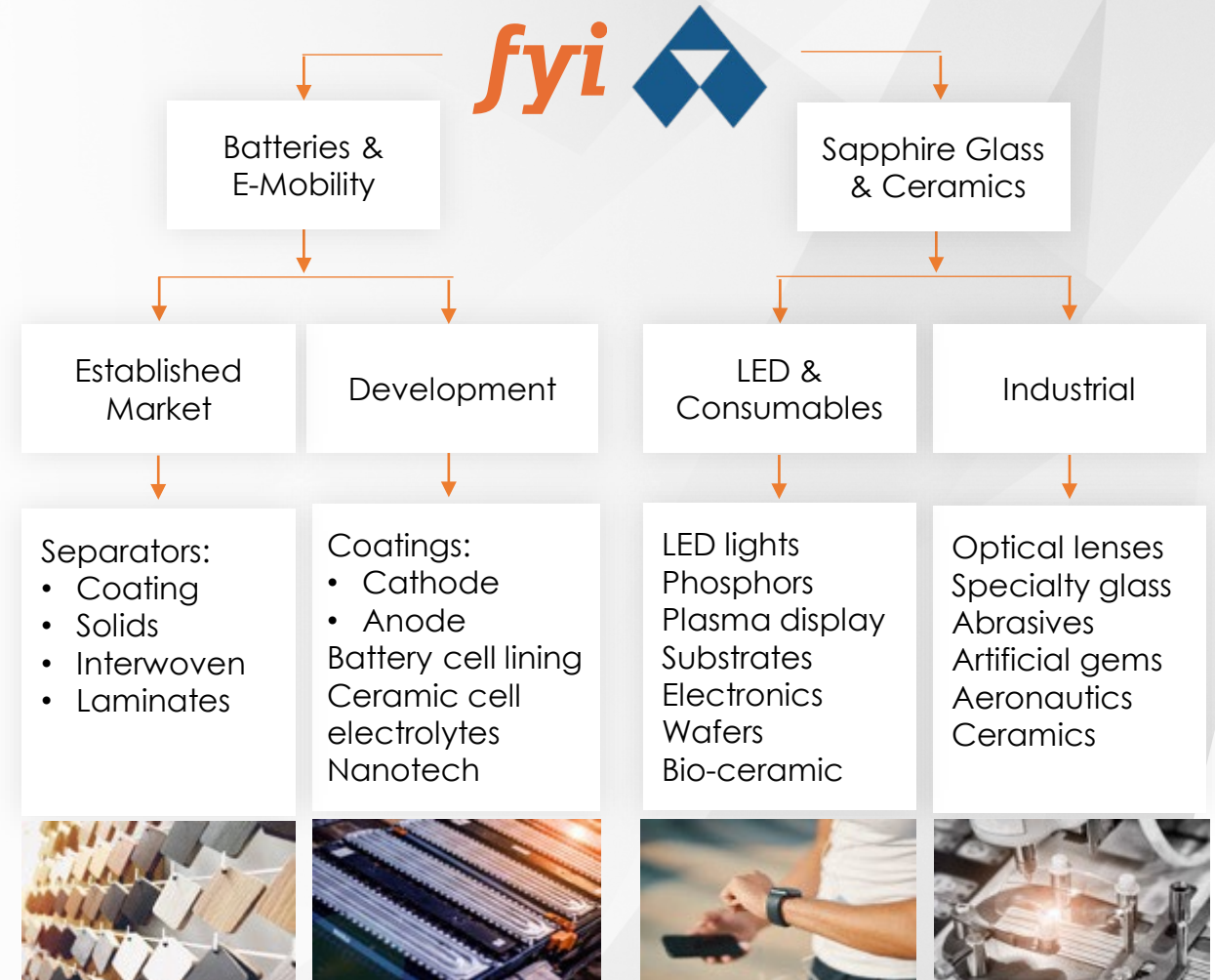
Forecast global HPA demand forecast (tpa)



HPA TARGET MARKETS

FYI and Alcoa have a defined joint HPA off-take market approach

- FYI and Alcoa emerging producer of high quality, high purity HPA
- FYI and Alcoa joint development standard product is to be ultra pure 99.99% (4N) and 99.999% (5N) material with extremely low deleterious elements
- Key markets have been identified and targeted for compatibility with FYI's quality HPA
- Market determinants include:
 - Purity (4N or 5N)
 - Characteristics (ie crystal size, density, surface area)
 - Jurisdiction diversity
 - Application
 - Pricing
- FYI is developing alternative HPA product applications in collaboration with its research partners and Alcoa
- FYI is also trialling different variations of final product to suit different market application specifications



HPA PROJECT ESG AND SUSTAINABILITY

ESG – at the core of everything we do

- FYI embraces best practice approach to HPA project development
- HPA project developed to maximise green and sustainable practices
- Distinct environmental advantages over current traditional supply
- Low environmental footprint / De-carbonising production
- Contribute to clean and renewable industries (directly and indirectly)
 - Reduce fossil fuel dependency
 - Reduction of carbon gas emissions
 - Intending supplier to other sustainable and environmentally conscious industries (EV, LED)
- FYI HPA has total provenance, authentication and traceability of their 100% integrated process
- High ESG standards are becoming pre-requisites for HPA off-take counterparties



FYI – CORPORATE SUMMARY AND VALUE POINTS



Partnering with Alcoa and tier 1 industry groups to become a dominant HPA producer



Robust integrated strategy founded on sound technical principles and project de-risking



Ideal project delivery timing coinciding with forecast market growth



Compelling integrated technical and geographical business model advantages



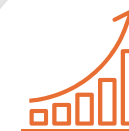
Implementing long-term sustainable ESG(E) standards and practice



Best-in-class project economics with lowest quartile capex and opex



De-risked and funded development pathway



Ground floor entry to an emerging growth sector with significant upside

DEVELOPING A LONG-LIFE QUALITY HPA PROJECT



Thank You

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