

LanzaTech

Becoming CarbonSmart

Creating the New Carbon Economy

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Certain statements in this presentation (the "Presentation") may be considered forward-looking statements. Forward-looking statements generally relate to future events or LanzaTech NZ, Inc.'s (the "Company") future financial or operating performance. For example, statements concerning the following include forward-looking statements: the potential success, cost and timing of the Company's technology platform development activities; the potential attributes and benefits of the Company's technology platform; the Company's ability to compete with other companies currently marketing or engaged in the development of similar technologies; the size and growth potential of the markets for the Company's technology and the Company's ability to serve those markets; the rate and degree of market acceptance of the Company's technology; and the Company's ability to expand its business. In some cases, you can identify forward-looking statements by terminology such as "may", "should", "expect", "intend", "will", "estimate", "anticipate", "believe", "predict", "potential" or "continue", or the negatives of these terms or variations of them, or similar terminology. Such forward-looking statements are subject to risks, uncertainties, and other factors which could cause actual results to differ materially from those expressed or implied by such forward-looking statements. These forward-looking statements are based upon estimates and assumptions that, while considered reasonable by the Company and its management, as the case may be, are inherently uncertain. New risks and uncertainties may emerge from time to time, and it is not possible to predict all risks and uncertainties. Factors that may cause actual results to differ materially from current expectations include, but are not limited to, various factors beyond management's control, including general economic conditions and other risks, uncertainties and factors associated with companies, such as the Company, that are engaged in developing proprietary carbon capture technology; changes to environmental laws and regulations; changes to ethanol regulation; and overall business and economic conditions affecting the global carbon capture, utilization and storage industry. Nothing in this Presentation should be regarded as a representation by any person that the forward-looking statements set forth herein will be achieved or that any of the contemplated results of such forward-looking statements will be achieved. You should not place undue reliance on forwardlooking statements in this Presentation, which speak only as of the date they are made and are qualified in their entirety by reference to the cautionary statements herein. Except as required by law, the Company undertakes no duty to update these forward-looking statements.

Energy Can Be Carbon Free

Chemicals & Fuels Need Carbon

Where That Carbon Comes From Will Define Our Climate Future



LanzaTech's Transformation Process



15+ Year Journey



Laboratory Pilot Der

Demonstration 2012

- Industrial emissions to ethanol
- Second commercial plant operating April 21

Commercial Scale 2018 (****) RSB >150,000 tons of carbon dioxide



First European Plant, Gent, Belgium



64,000 Metric Tons Bio-Ethanol Expected to mitigate>350,000 Metric Tons CO₂ a year



Multiple Plants, Feedstocks and Products!

2 Commercial Plants Operating, 7 Plants Scheduled to Complete Construction in 2022, and 7 Additional Plants in Engineering

Operating

Construction





Engineering



Feedstocks Represented



Regions Represented



Partner Investment ~\$800 million

Estimated Total Installed Capacity¹ ~600,000 mtpa (200 million gpy)

Anticipated Carbon Captured Annually¹ ~1,000,000 tonnes

Source: LanzaTech management.¹ Represents capacity and carbon captured by all plants above.

Added Hydrogen Increases Carbon Capture



Gas fermentation can flexibly add green H₂ to tailor carbon capture

Ethanol: A Starting Point for Multiple Pathways



Building Block of the Future

Getting Sustainable Aviation Fuel (SAF) to Scale



Carbon Emissions to Sustainable Aviation Fuels



LanzaJet SAF Results in Significant Sustainability Benefits When Compared to Conventional Jet Fuel



Ethanol: A Starting Point for Multiple Pathways



Building Block of the Future



















The first cosmetic plastic bottle made from industrial carbon emissions.





Sunlight World's 1st dishwashing liquid with *Recycled Carbon

Clean Future is now

*Carbon captured from carbon dioxide emissions

Plant project southeasts for a livited time and





LanzaTech Offers Carbon Negative Products Today With Inevitable Improvement Over Time



Renewable Energy

Further reduces carbon intensity of LanzaTech process and products

Carbon Negative Feedstocks

Enable increasingly negative product carbon intensity

Net Zero Economy

Enabled by LanzaTech products

¹ ICAO Sustainable Aviation Fuels Guide, Version 2, December 2018, Page 6; ² The ecoinvent database, version 3









Programming Microbes

State-Of-The-Art Synthetic Biology Platform



World First Anaerobic Biofoundry (cBioFab)





PET in the Circular Economy









Being Mad Without Going Crazy!!

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Do Something Crazy! Steel Mills and Microbes... a Match Made in Heaven





What was said:



Predictions are simply extrapolations of the past...

...innovation expands the 'art of the possible'

...today's 'unimaginable' is tomorrow's 'conventional wisdom.'

Make The World Your Lab!



Have Patience!



Evolution



Every waste resource

Including CO₂



Can become the things we use in ou daily lives

It's time to rethink carbon



Harness biology

To make everything we need



Welcome to the Post Pollution Future

