

# ASX Announcement

7 December 2021

## Presentation at Canaccord Genuity Battery Technology Conference

AnteoTech Ltd (ASX: ADO) ("AnteoTech" or "the Company") is pleased to announce its participation at today's Canaccord Genuity *Inaugural "Charging Up" Battery Technology Conference*.

CEO Derek Thomson and Head of Energy, Manuel Wieser will present an overview of the Company's progress towards developing a silicon anode.

The Canaccord Genuity "Charging Up" Battery Technology Conference, is a virtual event hosted by Canaccord for its clients.

A copy of the presentation is attached.

This announcement has been authorised for release by the Board.

**For more information, please contact:**

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**About AnteoTech - (ASX:ADO)**

AnteoTech is a surface chemistry company with Intellectual Property ("IP") in its core technology product groups AnteoCoat™, AnteoBind™ and AnteoRelease™. The Company's purpose is to create shareholder value by identifying and solving important global industry problems by providing unique value-add solutions for its customers. Customers operate in the life sciences, diagnostics, energy and medical devices markets.

**AnteoTech - Social Media Policy**

AnteoTech is committed to communicating with the investment community through all available channels. Whilst ASX remains the prime channel for market sensitive news, investors and other interested parties are encouraged to follow AnteoTech on Twitter (@AnteoTech\_), LinkedIn.



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**AnteoTech**

# **Our Silicon Anode Roadmap**

**Canaccord Genuity - Inaugural “Charging Up” Battery Technology Conference**

**07 December 2021**

**AnteoTech Ltd (ASX:ADO)**

**Presenters:**

**Derek Thomson, CEO**

**Manuel Wieser, Head of Energy**

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## EuGeni SARS-CoV-2 Ag RDT – CE Marked - not available in other jurisdictions

- The COVID-19 rapid antigen test (RAT) must not be supplied for the purpose of self-testing
- The COVID-19 rapid antigen test must only be used by relevant practitioners, or persons under their supervision, who are trained in the correct use of the goods and the interpretation of the test results
- Negative test results do not exclude infection with COVID-19 (so face masks, social distancing and good hygiene practice must be maintained)
- Positive test results or symptomatic persons require immediate confirmatory testing with a polymerase chain reaction (PCR) test.

# ANTEOTECH - TODAY



AnteoTech is commercialising innovative patented technology – with revenue opportunity across two key growth sectors:  
**Point of Care (POC) diagnostics and Lithium-ion battery market**



**STRONG IP POSITION**

## Unique, proprietary nano-polymer technology

- Proven product AnteoBind in market
- Strong IP position across **Life Science & Energy** applications



**HIGH IMPACT SECTORS**

## Developing solutions in high growth, high impact sectors

- Improving **Point-Of-Care (POC)** testing & assay development in diagnostics, drug development
- Improving Li-ion battery energy storage as a result of enhanced silicon integration – **AnteoX, AnteoLink**

**EuGeni**



**GROWTH MARKETS**

## Active in Growth markets

- **Life Science** - Lateral Flow Assay market grow to US\$11.5b by 2036
- **Energy** - Lithium battery market growing to US\$ 470 B by 2030<sup>2</sup>



## Ready to deliver – short to medium term opportunity

- **Life Science** - Growing distribution network and pipeline of tests.
- **Energy** - strong network of collaborators spanning battery value chain



1. Source: Market Forecast: **Lateral Flow Assay Market - Growth, Trends, COVID-19 Impact, and Forecasts (2021 - 2026)**, Mordor Intelligence  
2. Source: International Energy Agency World Energy Outlook Net Zero emission scenario 2021

## OUR ENERGY STORY IS ABOUT CAPABILITY AND IP



Industry leading approach that uses micro-silicon in a full cell design allowing for stable cycling of high silicon content anodes.



Anode design that is easily tunable to cater for the industry's future anode targets over the coming decade and beyond of 600mAh/g to 1000mAh/g.



In-depth coating formulation know-how that integrates silicon into anode designs and corresponding database or results for efficient benchmarking of design iterations.



In-house capability from slurry processing to electrode coating and battery assembly.



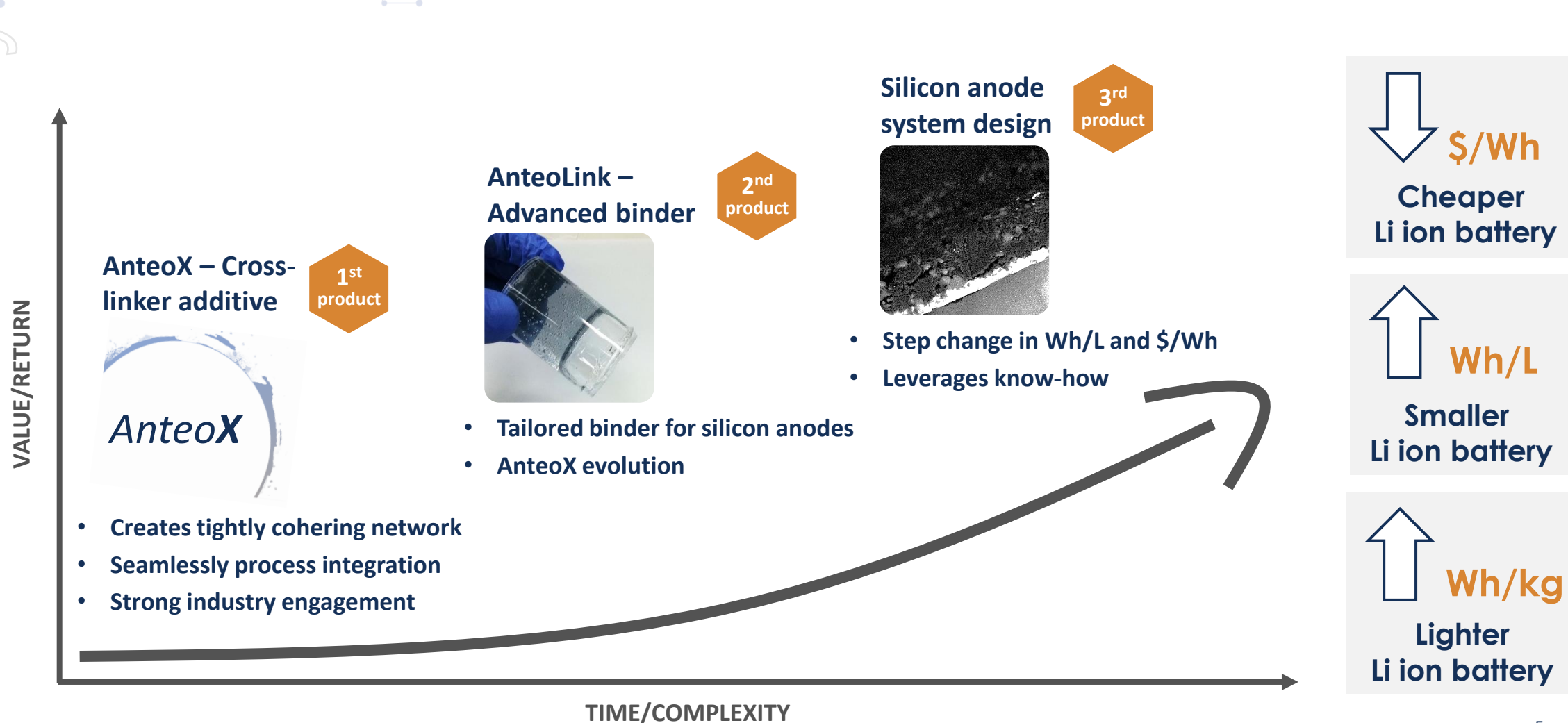
Knowledge pool spanning various silicon chemistries, electrolyte formulations, performance enhancing processes & electrochemical testing.



Strong existing industry engagement with potential customers and commercial partners plus lead role in \$135M Australian Future Battery Industries CRC.

# TECHNOLOGY AND PRODUCT ROADMAP

Silicon enabling products + anode design know-how = **Pathway to smaller, lighter and cheaper batteries**





# ANTEOX – A PERFORMANCE ENHANCING ADDITIVE



## What we have demonstrated - Example

- **AnteoX** can significantly uplift the performance of **high silicon content** anodes – up to 26% increase in capacity demonstrated - Fig. 1
- Decreasing binder content frees up space for more active material to create higher capacity anodes.
- 5% reduction in binder content causes the anode to lose cycling stability, and causes rapid loss of capacity – Green line - Fig. 2
- Adding **AnteoX** substantially improved outcomes yielding more stable cycling performance & capacity retention – Yellow Line Fig. 2

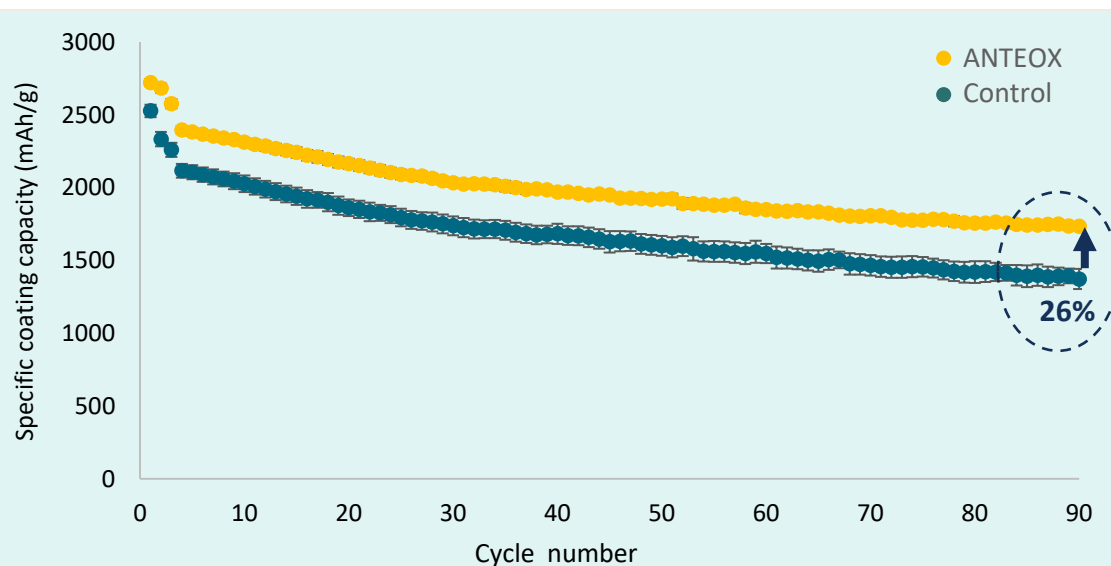


Fig. 1 mSi with off-the shelf binder and AnteoX - 15% LiPAA

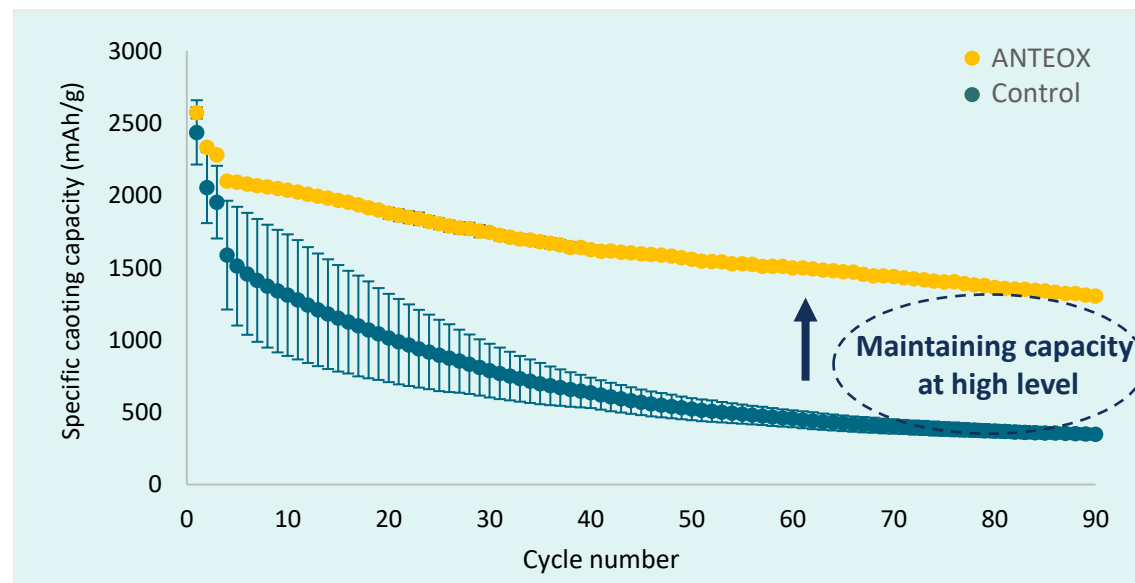


Fig. 2 mSi with off-the shelf binder and AnteoX - 10% LiPAA

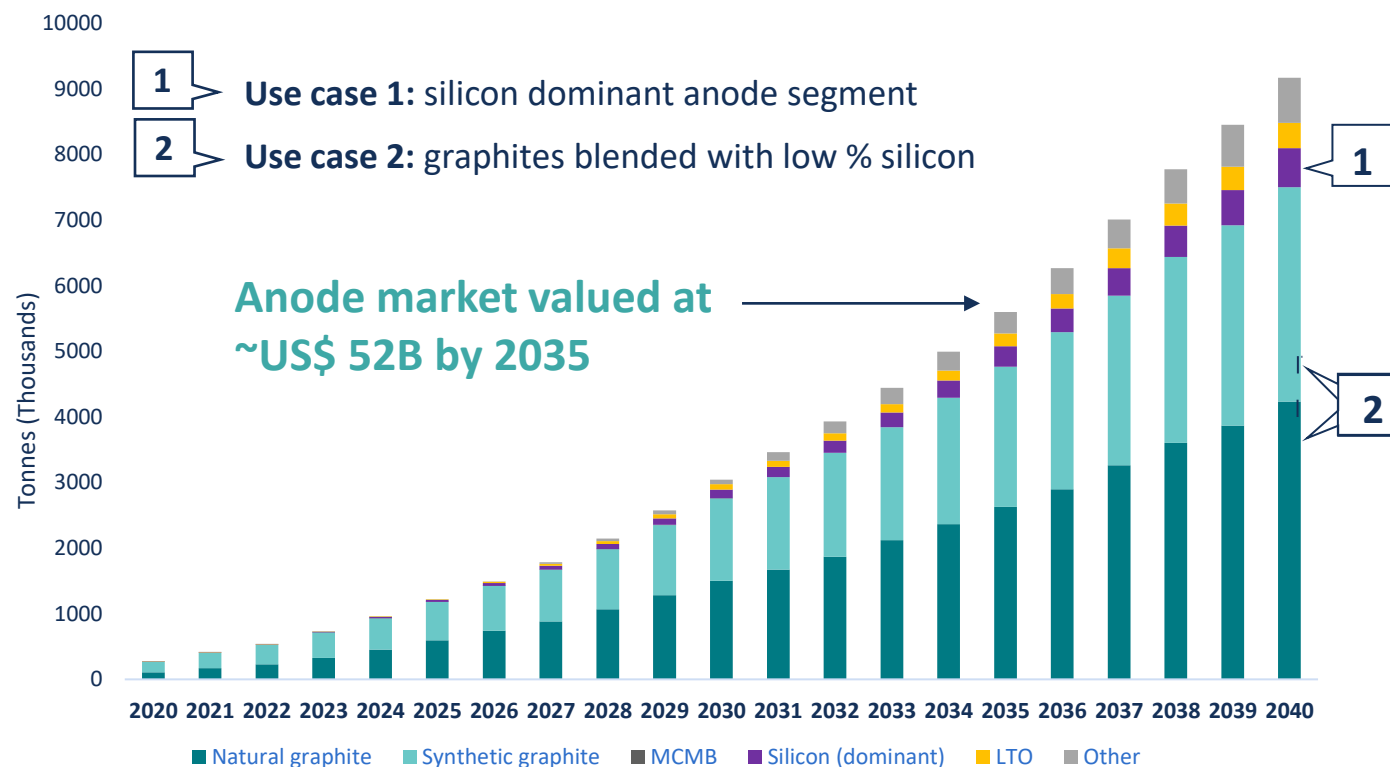
# THE ANODE MARKET IS SET FOR HIGH GROWTH



Extraordinary opportunity to provide anode technology to a lithium-ion battery market experiencing high growth with the anode segment

- Lithium-ion battery anode market is set for rapid and sustained growth
- Three complementary silicon enabling technologies under development
  - Able to address a sizeable portion of the anode market value
- Complementary technology portfolio with synergies but no strict co-dependency
  - Increased chance of success
  - De-risked investment

## Global anode demand by active material (base case)



Source: Benchmark Mineral Intelligence 2021



# TIME TO VALUE - ANTEOX, ANTEOLINK, SI ANODE



AnteoX presents first opportunity to realize value and revenues with AnteoLink and Si anode design commercialization expected to follow suit

## TIMELINE

ANTEOX

*12- 24 months*

ANTEOLINK

*2- 3 years*

Si ANODE

*4 years*

PHASE 1

CONCEPT DEVELOPMENT

PHASE 2

TECHNOLOGY REFINEMENT

PHASE 3

COMMERCIALISATION



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