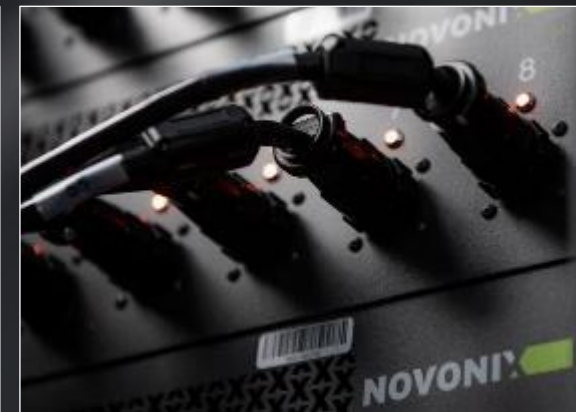
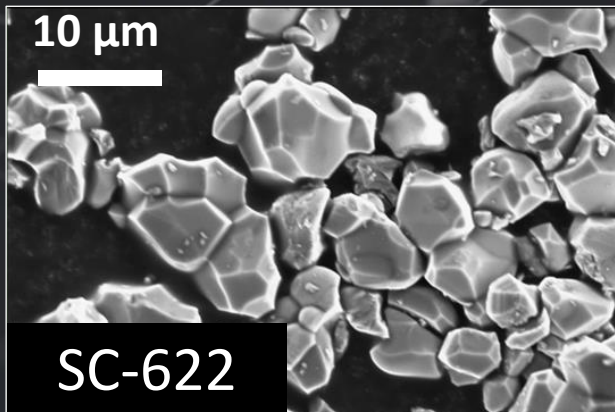
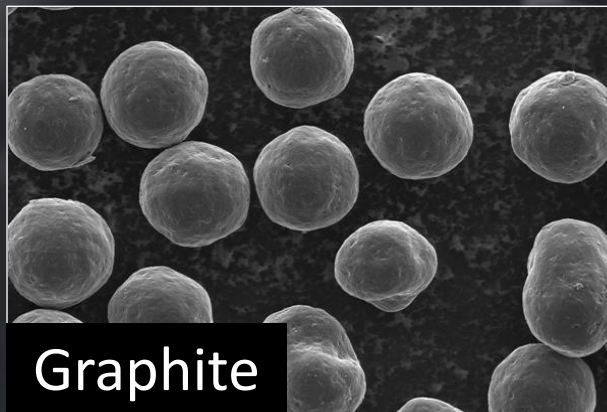


NOVONIX

NOVONIX LIMITED



NOVONIX Set for Growth

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This Presentation contains estimates and information concerning our industry and our business, including estimated market size and projected growth rates of the markets for our products. Unless otherwise expressly stated, we obtained this industry, business, market, and other information from reports, research surveys, studies and similar data prepared by third parties, industry, and general publications, government data and similar sources. This Presentation also includes certain information and data that is derived from internal research. While we believe that our internal research is reliable, such research has not been verified by any third party.

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ASX: NVX

NASDAQ: NVX

OTCQX: NVNXF

- NOVONIX Introduction
- Summary of Recent Notable Announcements
- Phillips 66 Announces Strategic Investment in NOVONIX
- Battery Materials Market and North American EV/ESS Industry Momentum
- NOVONIX Anode Materials
 - Performance
 - Growth Plans
 - KORE Power
- NOVONIX Cathode Materials & Million Mile Battery Technology
- Conclusions

Who We Are

NOVONIX provides battery development and material technology. We develop and supply what we believe to be the most accurate battery testing technology in the world. To our knowledge, we are the only US-based supplier with plans to scale significant volumes of battery-grade synthetic graphite anode material.

NOVONIX

Better Performance, Longer Life, Lower Cost

*Most Accurate Battery Testing
Technology*

NOVONIX

Battery Technology Solutions

*Only US-Based Supplier with
Plans to Scale Significant
Volumes of Synthetic Graphite
Anode Material*

NOVONIX

Anode Materials

*Developing New Applications
and Partnerships*

NOVONIX

Cathode Materials



NOVONIX

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OTCQX: NVNXF

Our Leadership and Board of Directors

Leadership Team



Dr. Chris Burns
Chief Executive Officer



Nick A. Liveris
Chief Financial Officer



Rashda Buttar
SVP & General Counsel



Suzanne Yeates
Financial Controller & Co Secretary

Scientific & Technical Advisors



Dr. Jeff Dahn
Chief Scientific Advisor



Dr. Mark Obrovac
Sponsored Researcher

Board of Directors



Admiral Robert J. Natter
Chairman & Non-Executive Director



Tony Bellas
Deputy Chairman & Non-Executive Director



Andrew N. Liveris AO
Non-Executive Director



Trevor St Baker AO
Non-Executive Director



Zhanna Golodryga
Non-Executive Director



Robert Cooper
Non-Executive Director

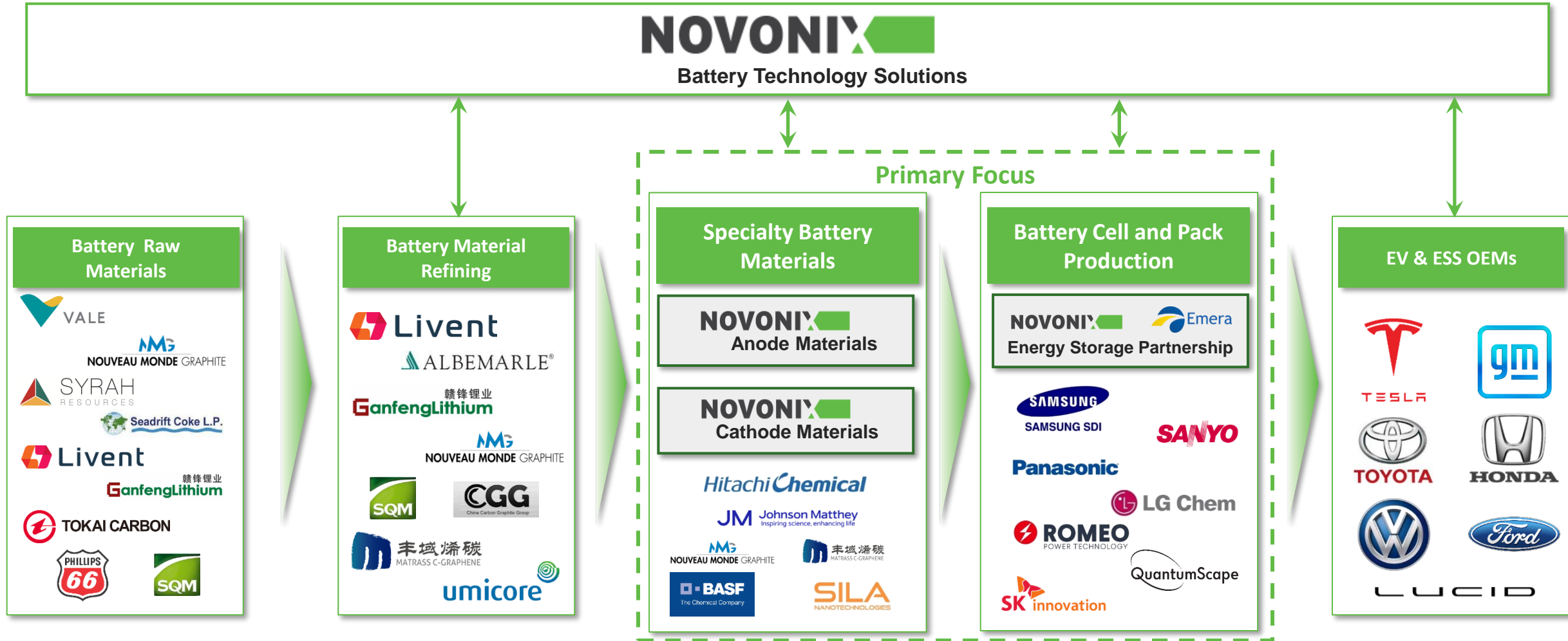


Jean Oelwang
Non-Executive Director

Key leadership and technical experience:



We Play a Critical Role in the Lithium Ion Battery Value Chain



Note: Companies presented above are for indicative purposes only and not a representation of customer relationships.

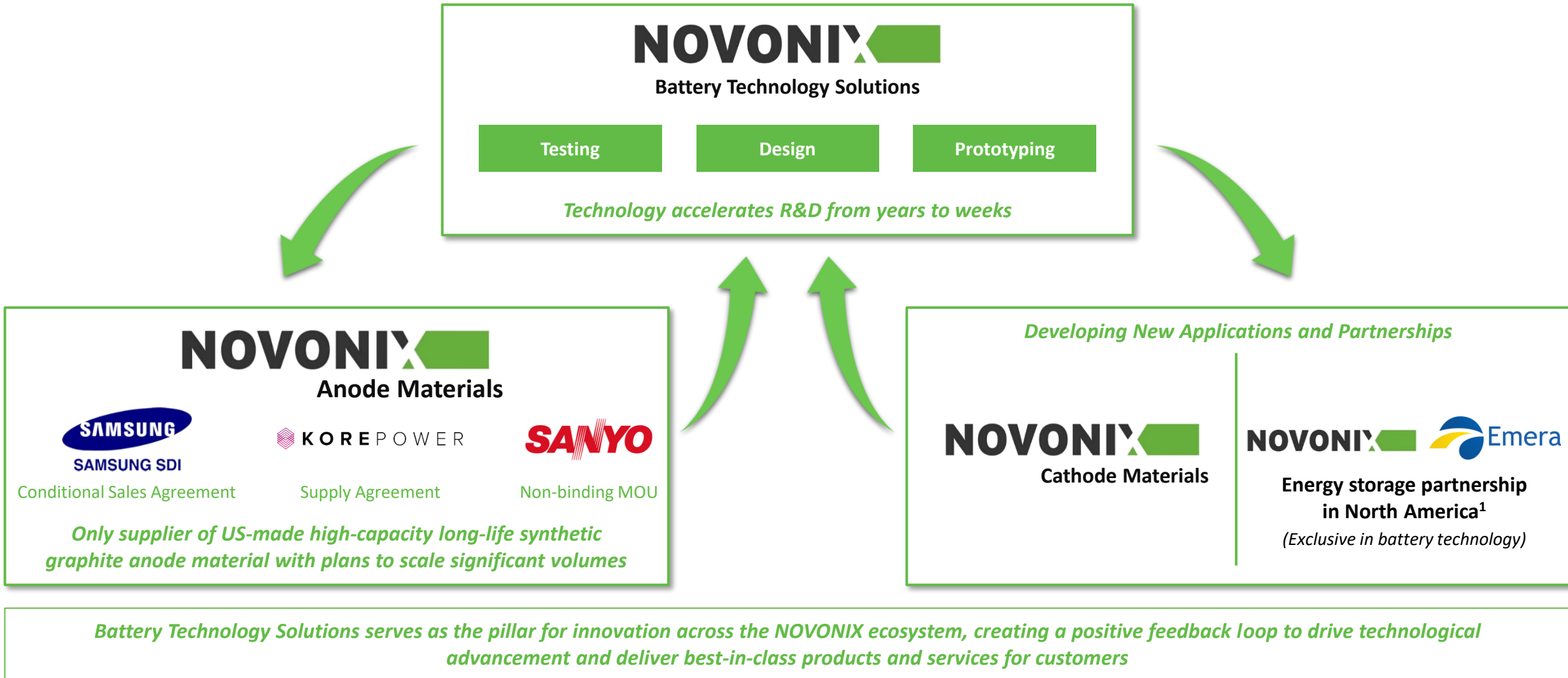


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NOVONIX Provides Battery Development and Material Technology



(1) We are currently collaborating with Emera to design a battery pack including innovative designs, custom manufacturing and control systems to support Emera Technologies' BlockEnergy microgrid.

NOVONIX Notable Milestones



19 Jan 2021: Leading researcher, Dr. Jeff Dahn appointed as Chief Scientific Advisor, effective July 2021



12 Feb 2021: NOVONIX entered a new five-year research sponsorship agreement with Mark Obrovac's Research Group of Dalhousie University



26 Feb 2021: Completion of ASX equity raise of A\$115m to support growth of NOVONIX Anode Materials with an additional ~A\$16m from directors



09 Aug 2021: Phillips 66 announced US\$150m strategic investment in NOVONIX, advancing NOVONIX's production of synthetic graphite for high-performance lithium-ion batteries



23 Nov 2021: Ceremonial opening of NOVONIX's new Riverside facility attended by US Secretary of Energy, Jennifer Granholm



31 Jan 2022: Executed supply and investment agreements for ~12,000 tonnes with US-based KORE Power to advance and strengthen the domestic lithium-ion battery supply chain

January 2021

Today



21 Jan 2021: NOVONIX Anode Materials selected to receive US \$5.57mm grant from the US Department of Energy



19 Feb 2021: Emera and NOVONIX partner on innovative residential energy storage technology



Apr 2021: Completed installation of first Generation 2 furnace system built by Harper under our strategic partnership program and initiated build of first Gen 3 furnace



20 Oct 2021: Zhanna Golodryga joins the Board of Directors as Phillips 66 right to nominate a Director. Ms. Golodryga is the SVP, Chief Digital and Administrative Officer for Phillips 66



19 Jan 2022: Phillips 66 and NOVONIX sign Technology Development Agreement to advance the production and commercialization of anode materials for lithium-ion batteries



01 Feb 2022: American Depository Receipts commenced trading on the Nasdaq and celebrated the milestone by ringing the Closing Bell

Phillips 66 Announces Strategic Investment in NOVONIX

Phillips 66

- Phillips 66 is a diversified energy manufacturing and logistics company.
- Phillips 66, with a portfolio of Midstream, Chemicals, Refining, and Marketing and Specialties businesses, the company processes, transports, stores and markets fuels and products globally
- Phillips 66 is a global producer of petroleum needle coke, the key precursor material for synthetic graphite
- Headquartered in Houston, the company has 14,000 employees committed to safety and operating excellence
- Phillips 66 had \$57 billion of assets as of June 30, 2021
- Phillips 66 produces the precursor for synthetic graphite at advanced facilities located in Lake Charles, LA and Humber, UK

Announcement

Phillips 66 Announces Strategic Investment in NOVONIX

Investment will expand Phillips 66's presence in the battery supply chain and advance NOVONIX's production of synthetic graphite for high-performance lithium-ion batteries



August 09, 2021 10:00 AM Eastern Daylight Time

HOUSTON & BRISBANE, Australia--(BUSINESS WIRE)--Phillips 66 (NYSE: PSX) today announced it has entered into an agreement to acquire a 16% stake in NOVONIX Limited (ASX: NVX, OTC: NVNXF), a Brisbane, Australia-based company that develops and supplies in-demand materials for lithium-ion batteries.

"This strategic investment enables Phillips 66 to directly support the development of the U.S. battery supply chain," said Greg Garland, Chairman and CEO of Phillips 66. "It advances our commitment to pursue lower-carbon solutions while leveraging our leadership position and expertise in the specialty coke market and supporting NOVONIX's emerging position in U.S.-based anode production."

Phillips 66 is a leading global manufacturer of specialty coke, a key precursor in the production of batteries that power electric vehicles, personal electronics, medical devices and energy storage units. NOVONIX, a leading producer of synthetic graphite, processes specialty coke to make high-performance anode material for these batteries. The investment supports the development of a fully domestic supply chain for sales into the U.S. electric vehicle and energy storage system markets.

"We're excited by Phillips 66's vision for a sustainable future and confidence in our business plan and management team," said NOVONIX CEO and co-founder Chris Burns, Ph.D. "Phillips 66's investment will provide us with the capital needed to support growth and ongoing R&D as we continue to scale our synthetic graphite production and develop new technologies for higher-performance energy storage applications. We look forward to continuing to build our relationship with Phillips 66 as both a strategic partner and investor."

Deal Highlights

- Phillips 66 subscribed for 77,962,578 ordinary shares of NOVONIX for a total purchase price of US\$150 million
- Phillips 66 will nominate one director to NOVONIX's Board of Directors
- This investment is driven by Phillips 66's Emerging Energy organization, which is tasked with building a lower-carbon business platform and shares a similar long-term vision and focus on sustainability as NOVONIX
- The investment by Phillips 66 will help support a capacity expansion of an additional 30,000 mt/year, which is expected to be completed by 2025
- The transaction closed September 30, 2021
- No financial advisors, brokers or other intermediaries were used by NOVONIX in this strategic investment

DOE Awarded NOVONIX US\$5.57M for New Furnace Technology Development

DOE Project Team Goals



**World Leader in
Petroleum Coke
Production**

- Houston, TX
- Multiple US and Global Production Sites



**World-wide Leader in
High Temperature
Furnaces**

- Buffalo, NY
- Expertise in High Temperature Furnace Technology
- Strategic Alliance Between NOVONIX and Harper



**State of the Art Anode
Materials Processing**

- Chattanooga, TN
- First Qualified US Supplier of Synthetic Graphite to Tier 1 Cell Manufacturer



**First-in-the-world
production scale
graphitization furnace
technology**

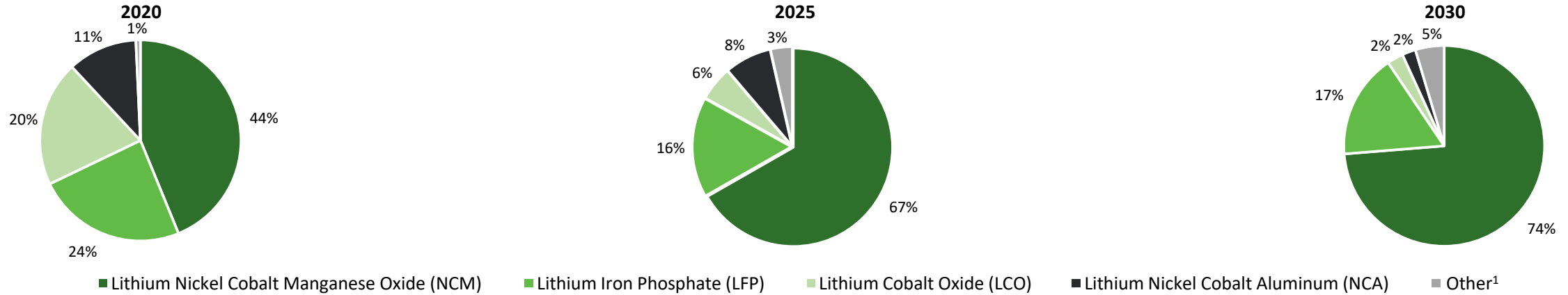
- Developing valuable IP
- Highly scalable manufacturing process
- USA-made premium synthetic graphite for lithium-ion batteries

NOVONIX will contribute US\$5.92M over the project duration

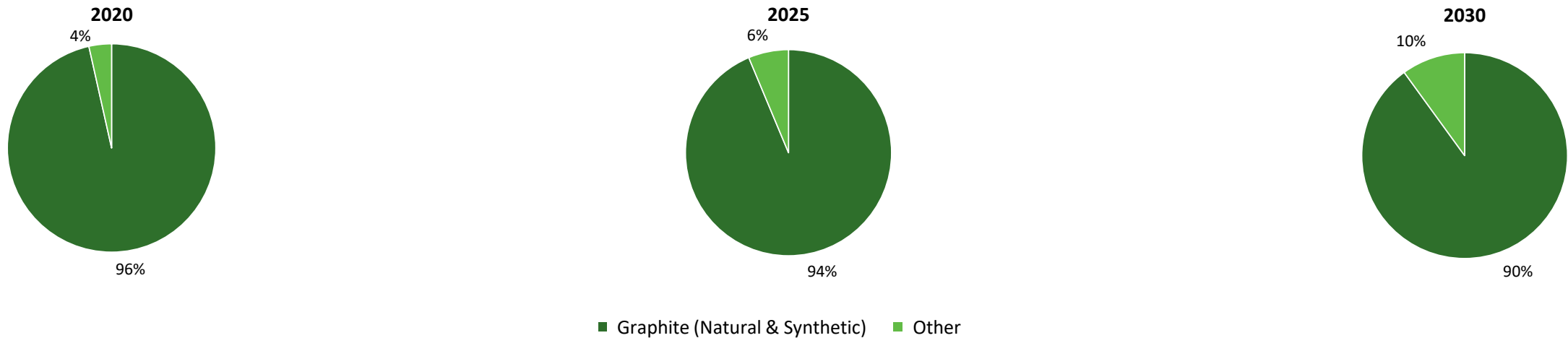
First “Generation 3” furnace system was installed at NOVONIX in 2021

NCM is Expected to be the Leading Cathode Chemistry with Graphite Remaining the Dominate Anode Technology

Cathode Market Share by Chemistry



Anode Market Share by Material Type



Source: Benchmark Mineral Intelligence Q1 2021 Report

(1) Other Includes lithium manganese nickel oxide (LMNO) and lithium ion manganese oxide (LMO) batteries

V2G is Expected to Further Drive Demand for High Battery Cycle Life

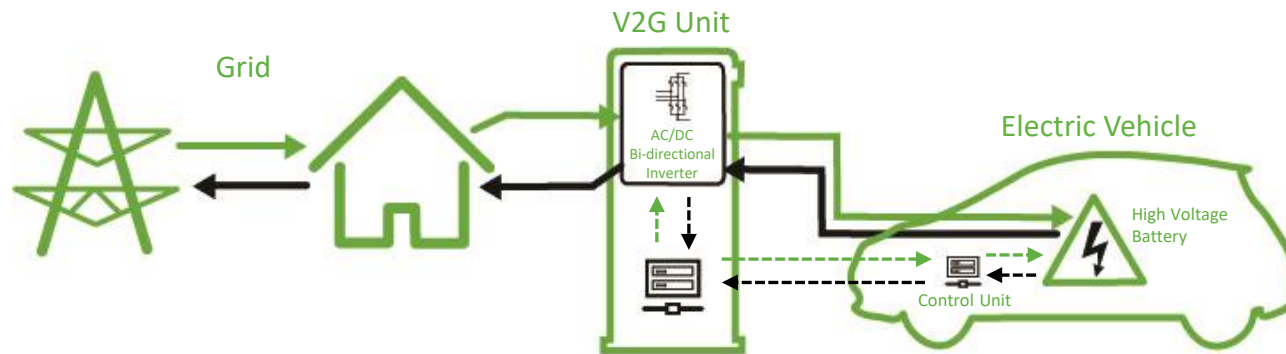
Vehicle to Grid Provides Two Key Advantages



Enables fleets and individuals to reduce cost of ownership by charging at non-peak times and discharging to buildings or selling to grid at peak times



Ability to provide power to buildings or national grids during peak hours provides stability to grids



Several Key EV OEMs Have Announced V2G Plans



- All VW MEB-based electric cars will be V2G capable beginning in 2022, includes cars from Audi, Skoda, and Seat-Cupra
- Currently testing DC-Wallbox with bi-directional DC charging stations in Germany



- Integrating vehicle-to-grid technology in electrical architecture of Model 3
- Tesla's system could power up to 22kW at any one moment – more than enough to power the dryer, heater or A/C.



- Currently conducting V2G project "i-rEzEPT", utilizing Nissan LEAF and temporary storage systems to power homes
- Produces the Nissan Leaf, the only mass production EV on the market with bi-directional capability



- 2022 F-150 Lightning will be one of the first EV's to take advantage of bi-directional charging in the U.S. market
- The Lightning will offer a solar option that will provide more energy independence and grid contribution

Source: CleanTechnica, The Driven, and Bloomberg.

NOVONIX Enables the Only Fully Domestic US Supply Chain of EV Battery Anode Material (BAM)

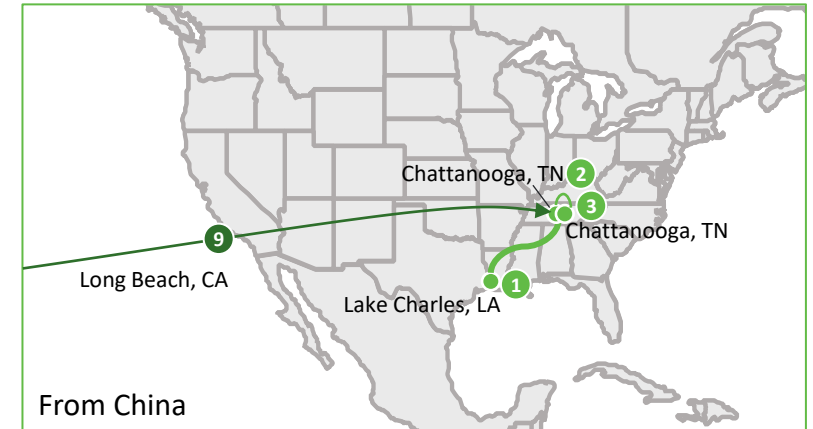
Chinese Synthetic Graphite Supply Chain

1. Needle coke ships to Qingdao from Humber, UK (12,500 miles)
2. Road transport of precursor to grinding site near Shanghai (450 miles)
3. Road transport of ground needle coke to Inner Mongolia (1,050 miles)
4. Graphitization in Inner Mongolia powered by brown coal with no environmental standards or emissions controls
5. Road transport of graphite to southern China (1,500 miles)
6. Processing of graphite into BAM
7. Land transport of BAM to China port (50 miles)
8. BAM ships to US port in CA (7,300 miles)
9. Land transport of BAM to end-user in TN (1,800 miles)

24,650 Total Miles



NOVONIX Supply Chain



1. Needle coke transported from Lake Charles, LA to Chattanooga, TN (670 miles)
2. All processing of precursor to BAM in Chattanooga under strict environmental standards
3. Delivery of BAM to end-user in Chattanooga, TN (34 miles) VW, for illustrative purposes

704 Total Miles

NOVONIX facilitates a cleaner, more secure, supply chain of high-quality synthetic anode material to the North American market vs. Chinese competitors

Battery Manufacturers and Auto OEMs have Announced New Gigafactories to Support NA EV Growth

Gigafactories Announced before 2021

Battery Manufacturer	Auto OEM	Investment	2025E Capacity	Status	State
LG Chem		\$300M	16 GWh	Operating	MI
		NA	53 GWh	Operating	NV
		NA	10 GWh	Operating	TN
LG Chem		\$2.3B	15 GWh	Announced Dec'19	OH
		\$1B	95 GWh	Operating 2021	TX
		\$1.7B	10 GWh	Operating 2022	GA
Total:		\$5.3B	199 GWh		

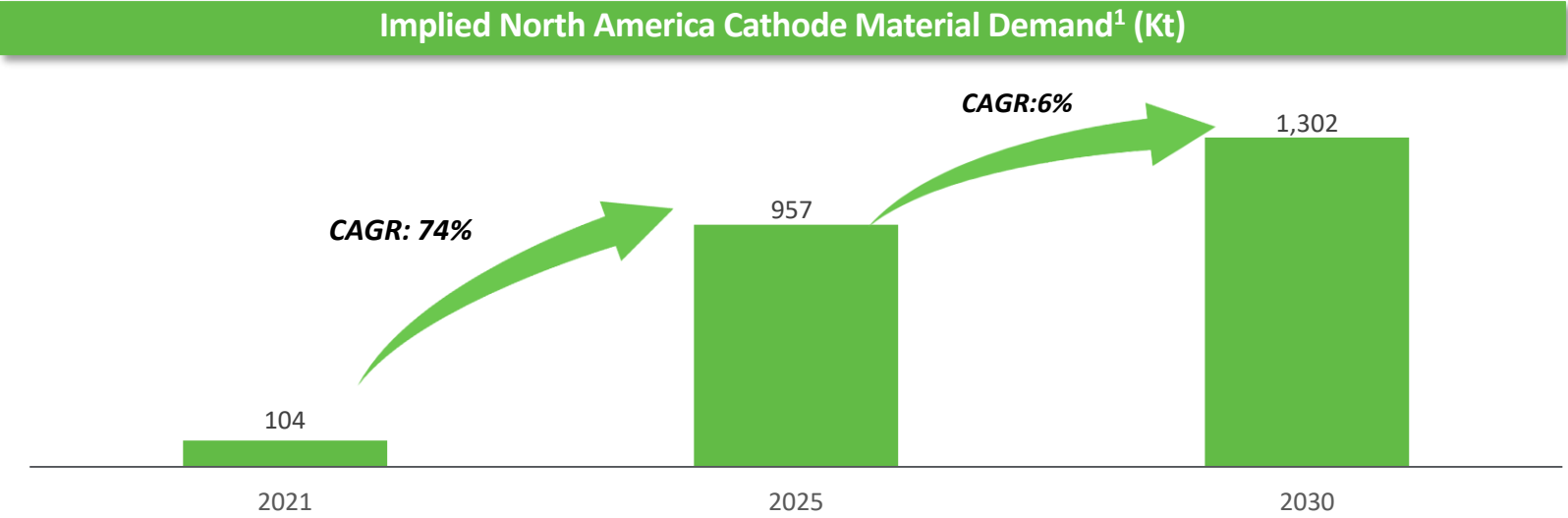
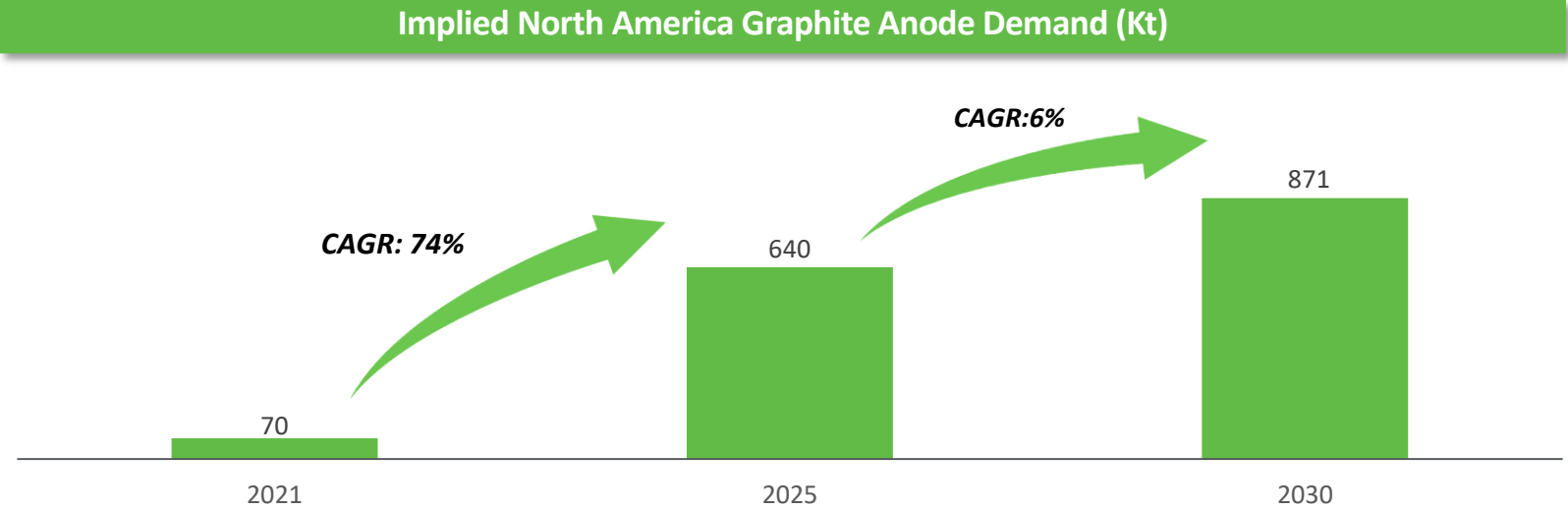
Gigafactories Announced since 2021

Battery Manufacturer	Auto OEM	Investment	2025E Capacity	Status	State
LION ELECTRIC	LION ELECTRIC	\$185M	5 GWh	Operating 2022	QC
	NA	NA	32 GWh ⁽¹⁾	Operating 2022	NY
LG Chem		\$2.3B	35 GWh	Operating 2023	TN
		~\$0.8B	12 GWh	Operating 2023	GA
		\$11.4B	129 GWh ⁽²⁾	Operating 2025	KY/TN
KOREPOWER	NA	NA	12 GWh	Operating Q2 2023	AZ
	NA	NA	60 GWh ⁽³⁾	NA	QC
		NA	40 GWh 40 GWh	Operating Q1 2024 Operating 2025	TBD
		\$1.3B	NA	Operating 2025	TBD
Total:		\$16.0B	365 GWh		

Source: Company press releases and management analysis.

(1) Expected capacity by 2028. (2) Expected capacity by 2025 across 3 plants: 2 in Kentucky and 1 in Tennessee. (3) Included in 2030 implied Anode and Cathode material demand.

NOVONIX is Critical to Advancing the North American Electrification Story and Supply Chain



Source: Company press releases and management analysis.

(1) Based on NCM 811 chemistry.



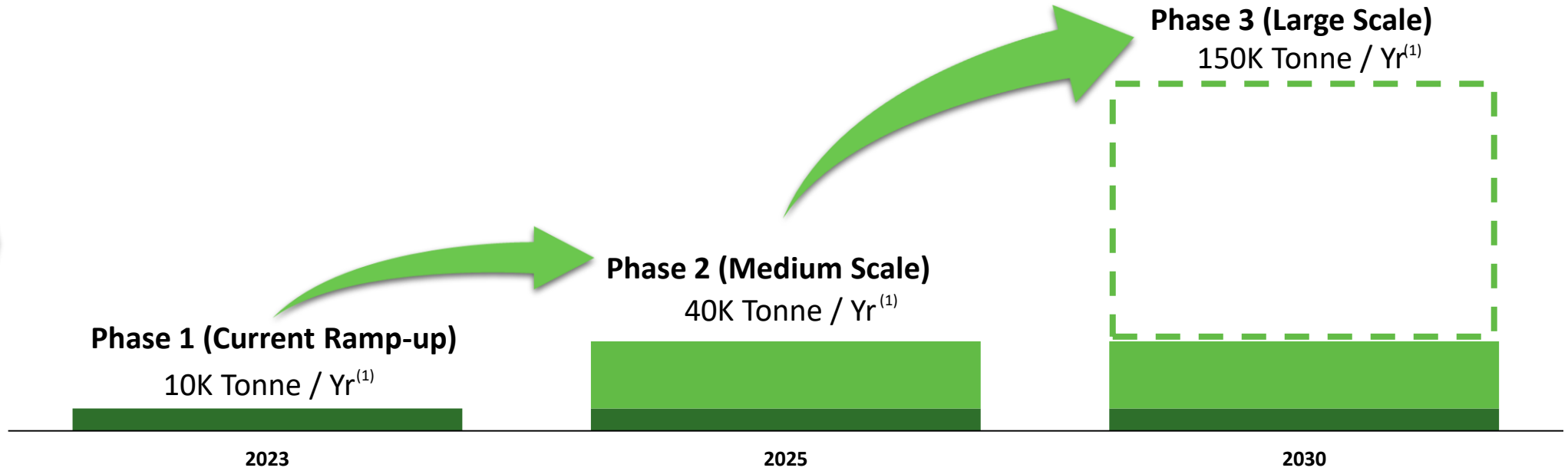
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Phased Growth Plan For NOVONIX Anode Materials

Volume /
tonnage phased
growth



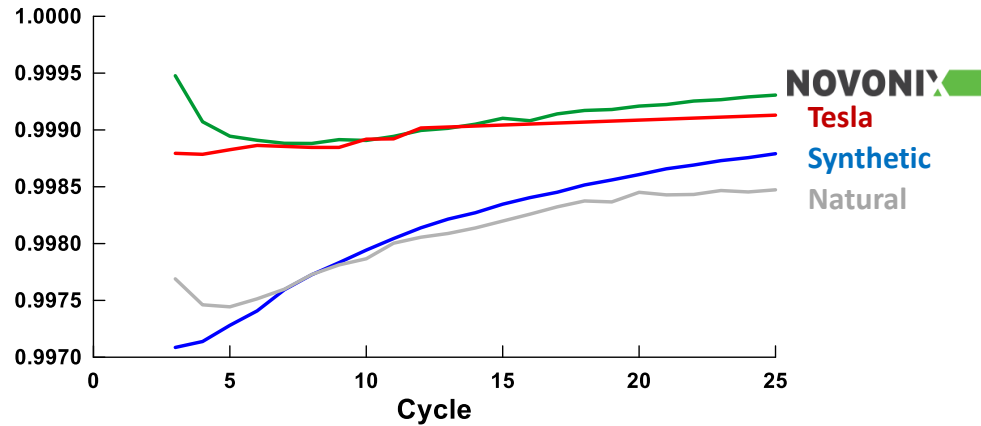
NOVONIX's
illustrative
scale plan⁽²⁾



(1) Company expectations, which may or may not materialize. (2) Assumes 55kg of graphite per EV.

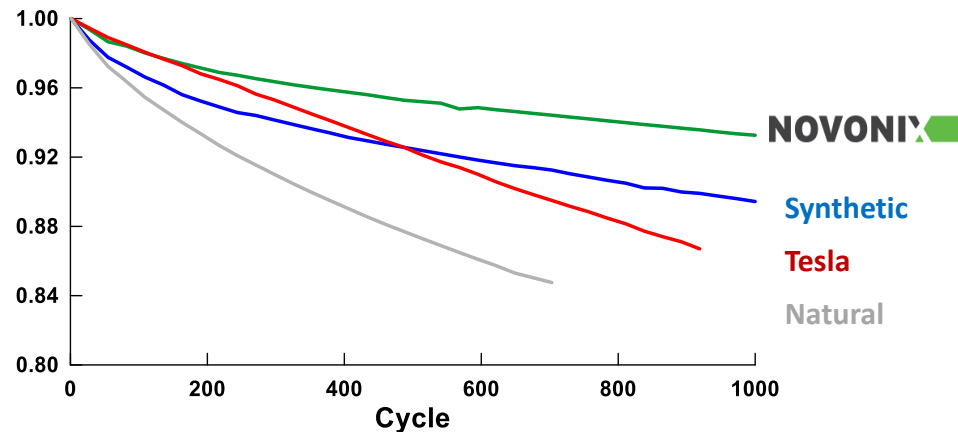
NOVONIX Anode Material Outperforms in Head-to-Head Testing

Improved Coulombic Efficiency (CE)⁽¹⁾



- NOVONIX offers improved Coulombic Efficiency (CE) compared to industry leading materials (including a Tesla Model S cell used as a reference benchmark)
- CE measures the electrochemical stability of the materials in the battery
- The higher the CE, the longer the battery life

Improved Capacity Retention⁽¹⁾



- NOVONIX offers improved capacity retention compared to industry leading materials (including a Tesla Model S cell used as a reference benchmark) as expected from higher coulombic efficiency
- Better capacity retention means less range loss over time for an electric vehicle

1. Data based on internal measurements taken as part of verification process.

Secretary of Energy Jennifer M. Granholm Celebrates NOVONIX's New Riverside Facility



Key Observations

- Purchased on July 28th, 2021, this 400,000+ square-foot plant will allow for 10,000 tonnes per year of synthetic graphite anode material production by 2023
- On November 22nd, 2021, NOVONIX celebrated Riverside Recharged to inaugurate the new Riverside facility with keynote speaker Secretary of Energy Jennifer M. Granholm
- Other speakers included:
 - Director Andrew Liveris AO
 - Director Zhanna Golodryga
 - CEO Chris Burns
 - U.S. Rep. Chuck Fleishmann
 - TN ECD Commissioner Bob Rolfe
 - Hamilton County Mayor Jim Coppinger
 - City of Chattanooga Mayor Tim Kelly
 - Former U.S. Senator Bob Corker
- “The local support for this means not just something for Chattanooga, and it's not just for Tennessee, but it really is for the country. The fact that we're at a facility that once employed about 230 people and that now is going to employ 300 people, making the future of our transportation energy system secure, is such a great day for America.” - Secretary of Energy Jennifer M. Granholm

Strategic Relationship with KORE Power

Highlights of Agreements



Sandra Watson of the Arizona Commerce Authority, Buckeye Mayor Eric Orsborn, Gov. Doug Ducey and Kore Power CEO Lindsay Gorrill announce Kore's investment in Buckeye.

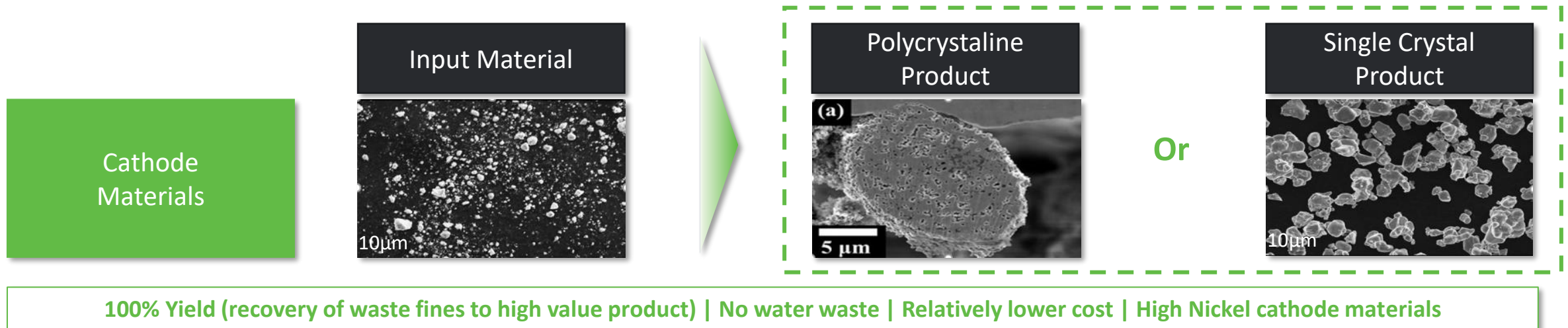
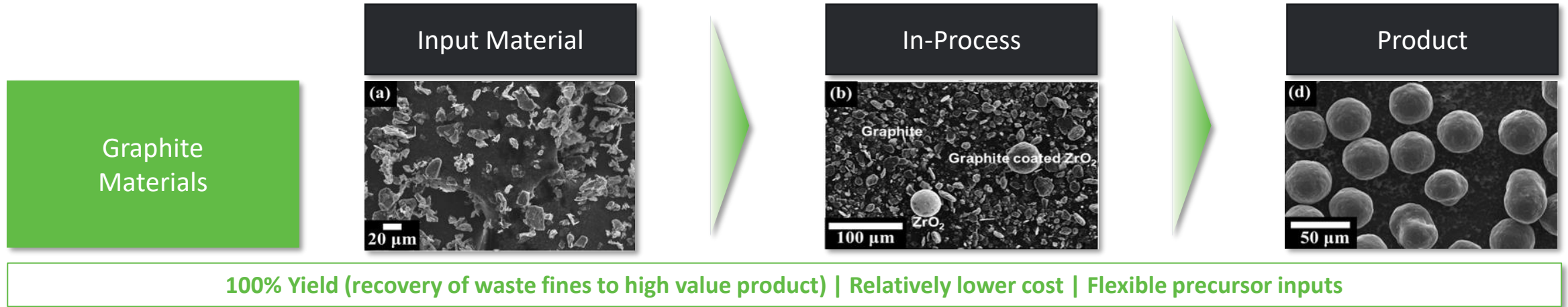
Kore Power to invest \$1B in Buckeye

www.westvalleyview.com

- KORE Power is a leading US based developer of battery cell technology for clean energy industries
- NOVONIX and KORE Power have worked together since 2019 through NOVONIX's BTS division to improve and validate KORE's battery technology
- KORE announced on 29 July 2021 the intention to build KOREPlex, a one million square foot manufacturing that will support up to 12 GWh of battery cell production in Buckeye, AZ
- KOREPlex scheduled to begin production in early 2023
- Through the signed Supply Agreement, NOVONIX will be the exclusive supplier of graphite anode material to KOREPlex which when in full production will be close to 12,000 tonnes per year of material
- NOVONIX invested \$25M USD to acquire a roughly 5% stake in KORE Power

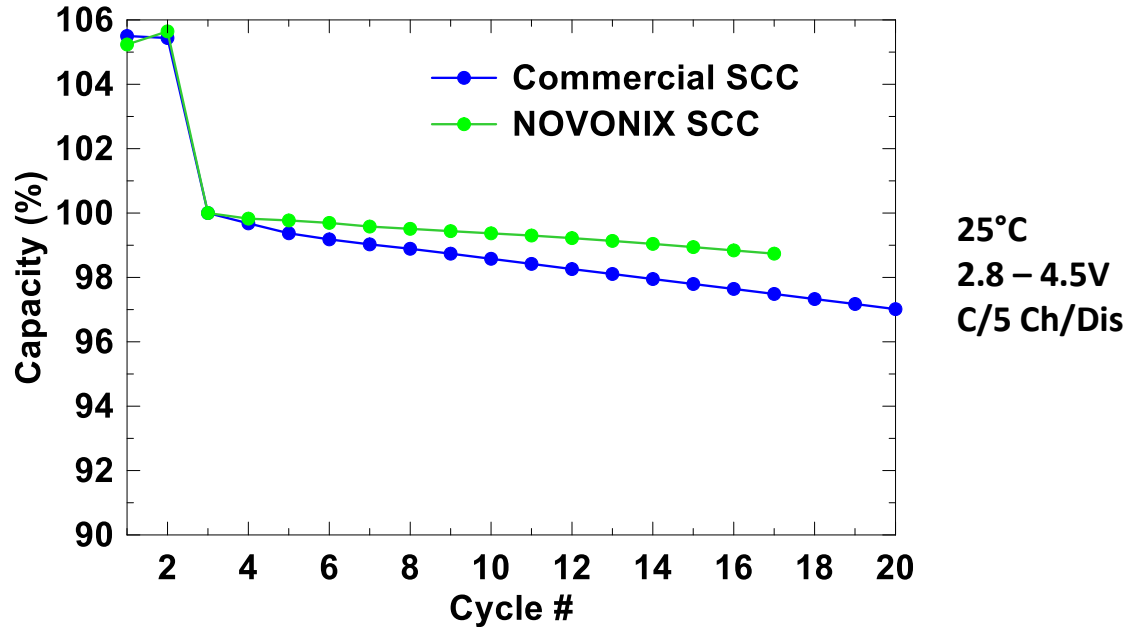
DPMG: New Manufacturing Method for Anode and Cathode

With multiple patent applications filed, NOVONIX's Dry Particle Microgranulation (DPMG) technology delivers higher yields at lower costs



Early Cathode Synthesis Technology Results Demonstrate Results Better or Comparable with Long Life Commercial Single Crystal Cathode (SCC)

Normalized Electrochemical Results (Coin Cell)



Product:	Commercial SCC	NOVONIX SCC
Reversible Capacity:	100%	104%
First Cycle Efficiency:	100%	101%

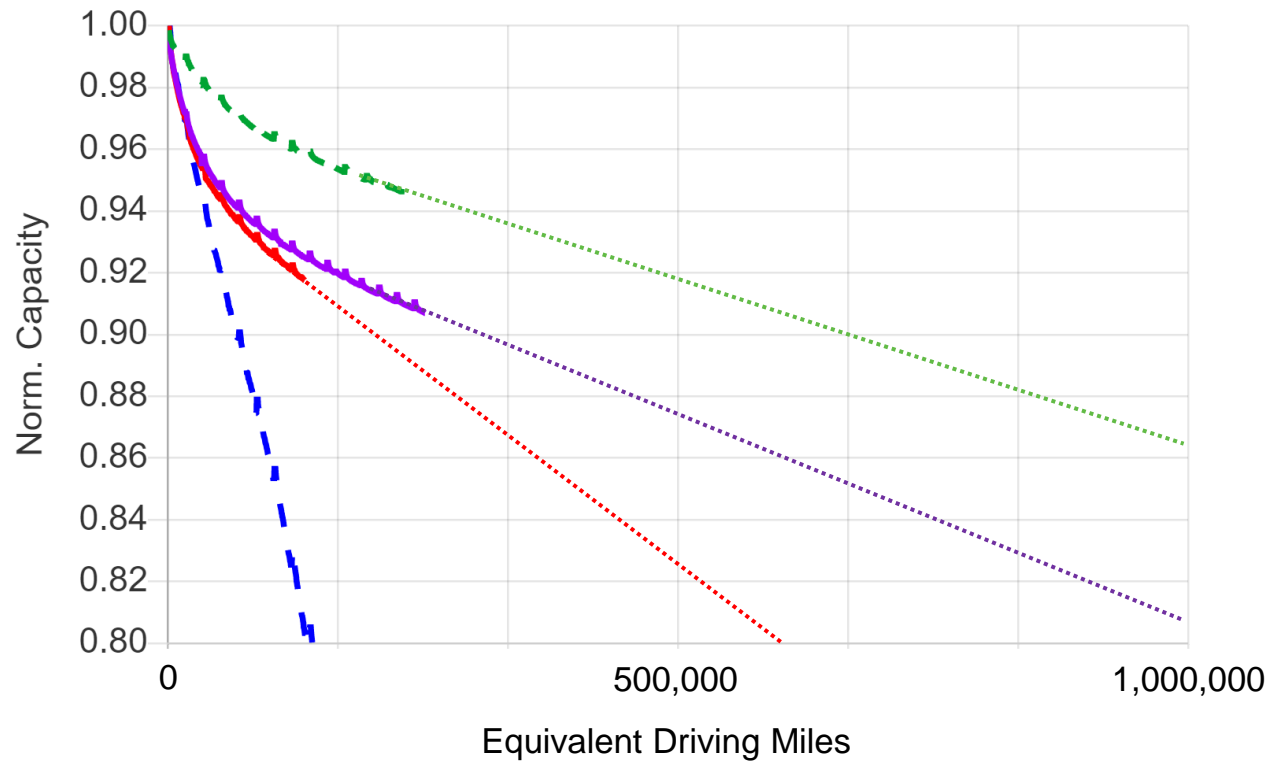
Key Observations

- Normalized electrochemical results in coin cell tests show NOVONIX outperforming in reversible capacity, first cycle efficiency, and cycling performance
- NOVONIX continues to optimize material through processing as well as through the use of coatings and dopants to further improve performance
- Polycrystalline cathode comparative performance test work also ongoing, with polycrystalline cathodes having some advantages over SCC

NOVONIX's Complete Battery Cell Technology is Leading the Way for Next Generation EV Batteries

Demonstrated and Projected Performance Predicted to Exceed 1 Million Miles⁽¹⁾

- SC NCM622 shown here is the same Commercial SCC reference material shown in previous slide
- Next step to build full cells for performance testing to include in this data set and demonstrate NOVONIX anode, cathode and electrolyte technologies in a single cell



- SC NCM622 / NOVONIX Anode Material + Adv. Electrolyte
- SC NCM622 / Gr + Adv. Electrolyte
- SC NCM622 / Gr
- NCM622 / Gr (Commercially Available Reference Materials)

- 40°C full depth of discharge cycling
- Assumed 330 mile range
- Projection lines shown for guidance

1. Data based on internal measurements taken as part of verification process.

Our Goals for the Future of NOVONIX



Contact Information

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Send all investor queries to: IR@novonixgroup.com