



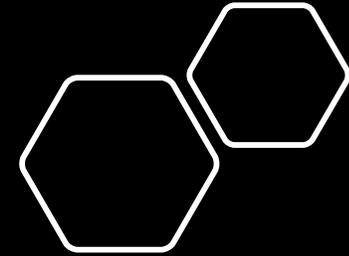
# Breakthrough SAMSUNG Agreement

Quarterly Activities Report – October to December 2019

January 2020

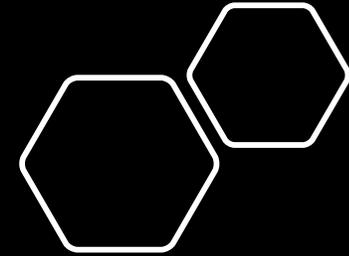


ASX: NVX



**making  
better  
batteries**

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- This announcement has been authorised for release to the ASX by the Managing Director, Philip St Baker.



## Contents

- PUREgraphite
- BTS
- Appendix

## Company Information

### STOCK INFO @ 30 January 2020

ASX Code	NVX
ASX Share Price	A\$0.465
52 Week Low - High	A\$0.37 – A\$0.80
Shares on issue	130.72m
Market Capitalisation	A\$60.8m

### CASH AVAILABLE

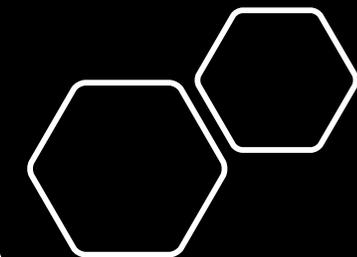
Cash and facilities available 1 January	A\$3.5m
Including \$2m director loans and SPP proceeds	

### SHAREHOLDINGS

	(m)	%
Board & KMP – ordinary	53.3	41%

**41%**  
**management  
shareholding**

# Global tier 1 customer base



tier 1  
customer  
base

Many major auto OEMs and consumer electronic customers not disclosed for confidentiality reasons

## Commercializing PUREgraphite

### SAMSUNG Supply Agreement and R&D Collaboration

- Initial supply of 500 tons commencing 2020
- Working toward longer term supply agreement
- R&D collaboration agreement on new materials
- Conditional on supplier audit and QA
- First North American Co to break into the market

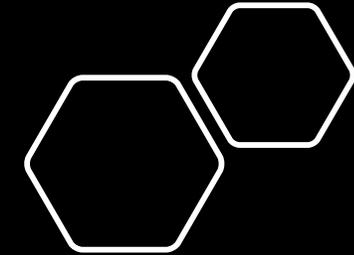


### SANYO Commercial Collaboration

- MOU to continue to assess anode materials & supply for EV & ESS following positive test results in Japan

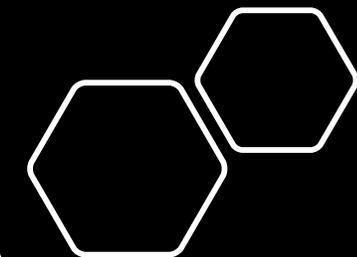


Reference: <https://www.sec.gov/Archives/edgar/data/1318605/000119312510017054/dex1027.htm>



**first in  
North  
America**

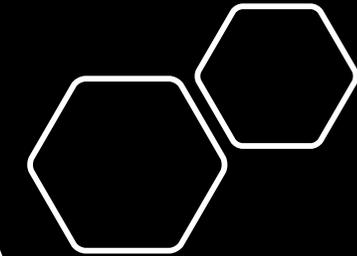
## PUREgraphite facility (USA) – under construction



**now  
commissioning**

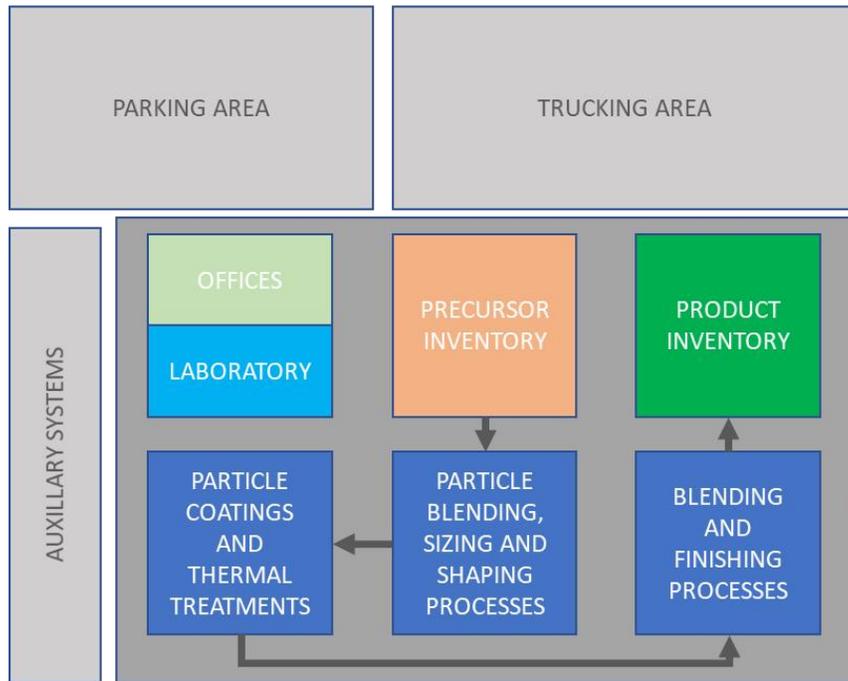
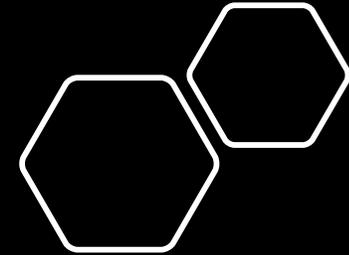
## October - December 2019

- Signed a Supply Agreement and R&D Collaboration with SAMSUNG SDI (S.Korea)
- Continued material evaluation with SANYO (Japan)
- Installation of particle blending, sizing and shaping systems and commencement of commissioning
- Installation of particle coatings and thermal treatments systems and commencement of commissioning
- Set-up of comprehensive laboratory suitable for commercial production and quality assurance
- Fabrication and 80% installation of re-engineered furnace cooling systems and back-up power and water systems
- Expansion of production team for commercial operations and associated recruitment, induction and training

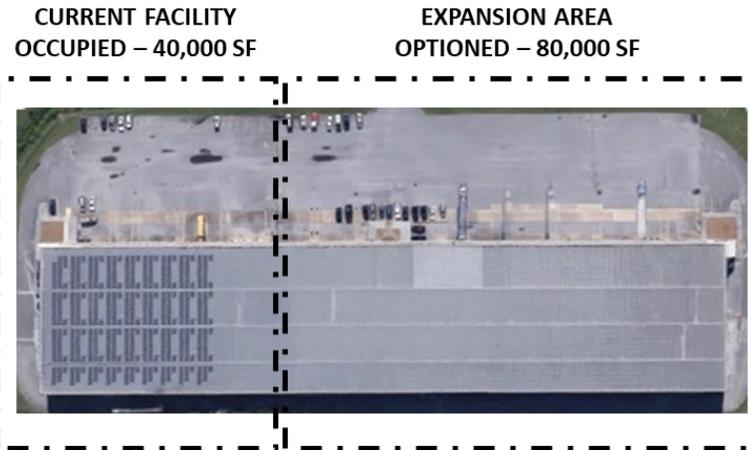


**starting  
commercial  
production**

# PUREgraphite facility (USA)



GENERAL LAYOUT OF FACILITIES



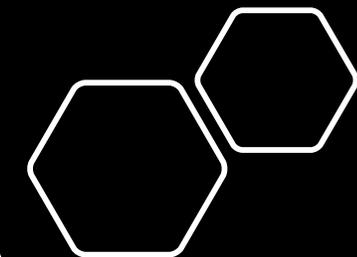
AERIAL PHOTO

preparing for expansion

## Winner of Innovation Award

- In November NOVONIX was named the winner of the Award for Innovation at the 17th Annual Discovery Awards in Halifax, Canada
- The Discovery Awards is Atlantic Canada's most prestigious science award.
- NOVONIX received the Innovation award for its work in the field of lithium-ion battery testing and development

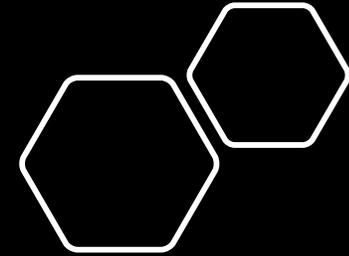
**VIDEO  
LINK**



**innovation  
award**

### Cell line R&D services on track for \$2m sales in first full year

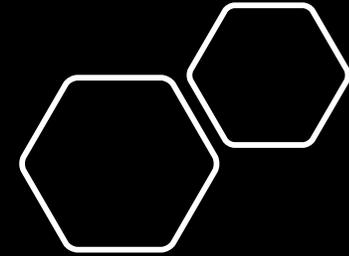
- Battery cell pilot line and R&D laboratories set up in FY19
- External demand for these services has been overwhelming
- Sales in the first half FY20 have exceeded \$1m



## R&D services

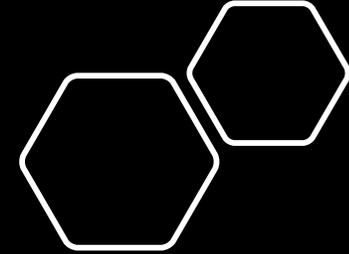
## R&D technologies & services now funding our technology incubator

- Battery R&D services rapidly growing from \$200k in FY2019 to >\$2m in FY2020
- Sales and services from HPC & DTA testing tech forecast >\$2m in FY2020
- Above funds NOVONIX's battery technology development program (incubator) including Dalhousie University partnership collectively delivering a steady stream of inventions including new anode & cathode materials, electrolytes and manufacturing methods



**self-funded  
tech  
incubator**

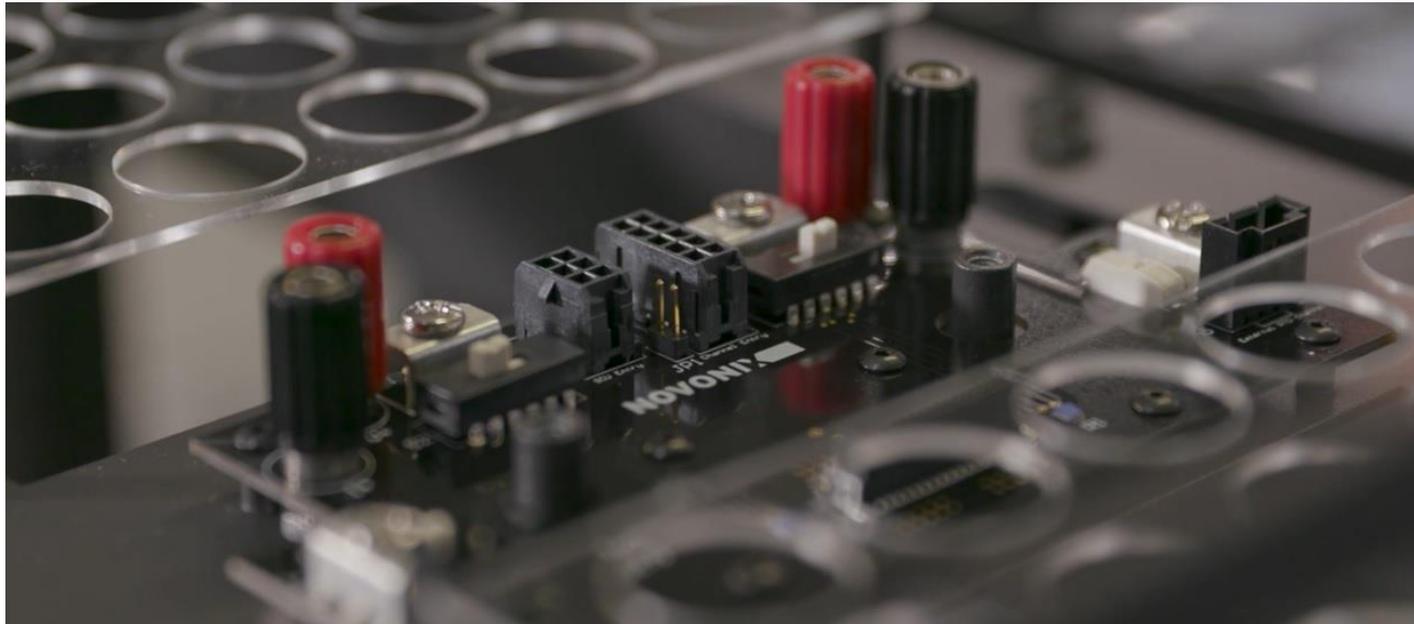
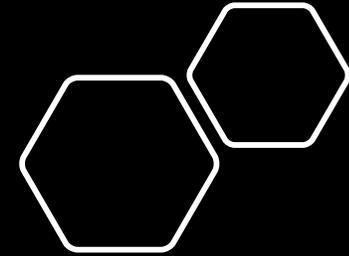




## October - December 2019

- Named winner of the Award for Innovation at the 17th Annual Discovery Awards in Halifax, Canada
- Rapid growth of our battery R&D services business
- Steady sales for our battery testing equipment business
- Published papers on our DTA and HPC technologies
- Advanced R&D on new cathode materials and manufacturing methods with a patent file pending
- Ongoing R&D support to PUREgraphite for slurry, electrode and cell making and cell testing
- Delivery of custom state-of-the-art battery cell testing technology and systems for a global consumer electronics company
- Continued growth of our tier 1 customer base with new global automakers and OEMs becoming customers

**steady  
growth**



# Right board for strategy & engagement **NOVONIX**

**Chairman**  
Tony Bellas



**Managing Director**  
Philip St Baker



**Executive Director**  
Greg Baynton



**Non-Executive Director**  
Admiral Robert J. Natter



**Non-Executive Director**  
Andrew N. Liveris AO



**Non-Executive Director**  
Robert Cooper



## Leadership experience:



corporate travel management

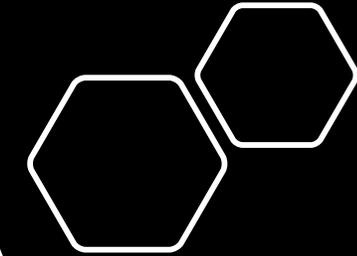


ارامكو السعودية  
Saudi Aramco



January 2020

ASX: NVX



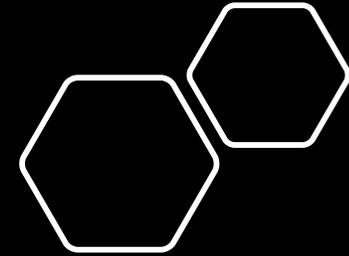
# strategy and leadership

# Right team to execute the plan



<p><b>Group Chief Operating Officer</b> CEO of PUREgraphite / CEO of BTS Dr Chris Burns</p> 	<p><b>Group VP Business Development</b> CFO of PUREgraphite / CFO of BTS Nick Liveris</p> 	<p><b>Group Chief Technical Officer</b> General Manager BTS Dr David Stevens</p> 
<p><b>Group Managing Director</b> Philip St Baker</p> 	<p><b>Group Executive Director</b> Greg Baynton</p> 	<p><b>Group CFO and Co Secretary</b> Suzanne Yeates</p> 

- *6 full-time staffed PhD*
- *Exclusive partnership with Professor Mark Obrovac (including lab 10+ graduate students)*



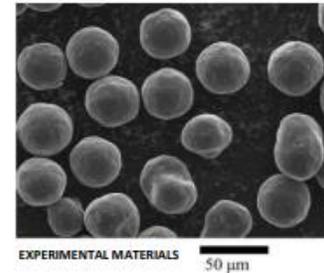
**Technical experience:**

					
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# technology & delivery

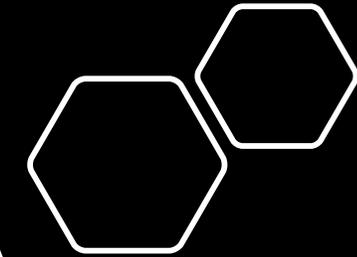
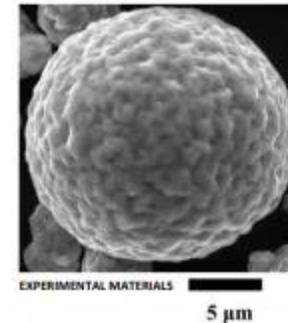
- **Manufacturer of battery anode material (PUREgraphite)**

- US-made Premium high capacity long-life graphite anode
- Sales agreement with Samsung SDI (Korea)
- MOU agreement with SANYO (Japan) towards future supply
- Commercial production commencing Q1 2020



- **Supplier of battery technology solutions (BTS)**

- Technology accelerates R&D from years to weeks
- Battery material R&D partnership with Dalhousie University
- Battery testing, design, and prototyping services
- Sales to battery & OEM multinationals in 15 countries



**battery  
technology  
& materials  
Co**

# Contact information



## Corporate

### Group Managing Director

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### Group Executive Director

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### Group CFO and Co Secretary

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### CEO – PUREgraphite & BTS

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### CFO – PUREgraphite & BTS

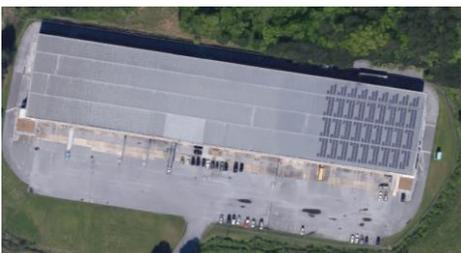
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## Battery Technology Solutions

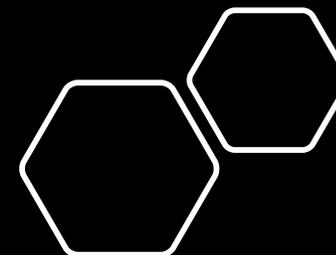


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# USA & CANADA