



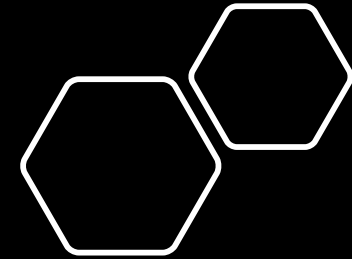
Breakthrough SAMSUNG Agreement

Quarterly Activities Report – October to December 2019

January 2020

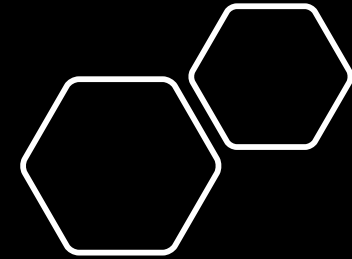


ASX: NVX



**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
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- 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



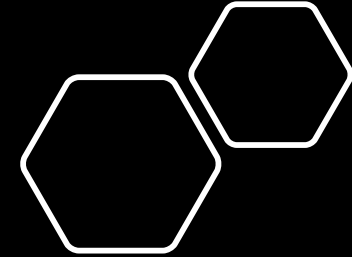
dyson

Panasonic

CATL



BOSCH



SAMSUNG



SK innovation



KOREPOWER



XALT Energy

epsilor
AROTECH



BAK
CHINA BAK BATTERY, INC



muRata
INNOVATOR IN ELECTRONICS

24m

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

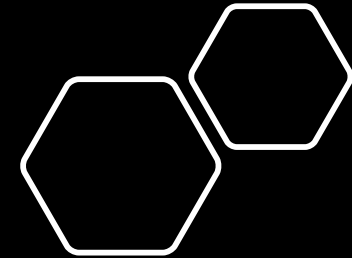


SANYO Commercial Collaboration

- 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**

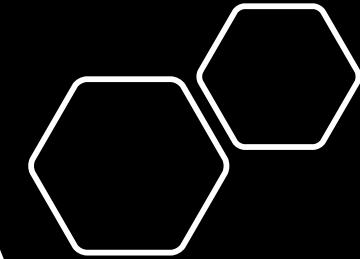
PUREgraphite facility (USA) – under construction



**now
commissioning**

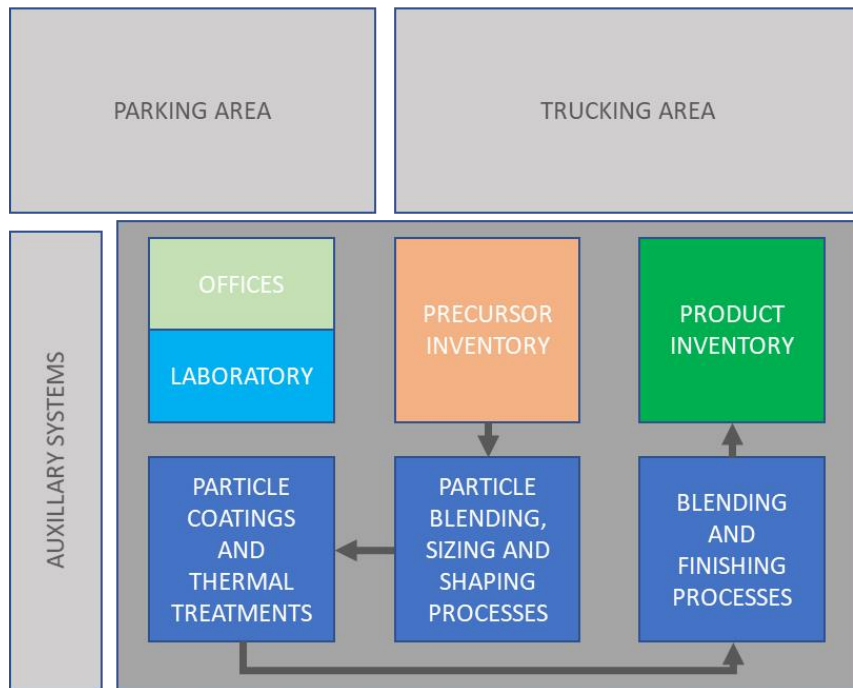
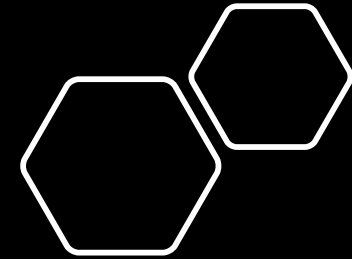
October - December 2019

- 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

CURRENT FACILITY
OCCUPIED – 40,000 SF

EXPANSION AREA
OPTIONED – 80,000 SF



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

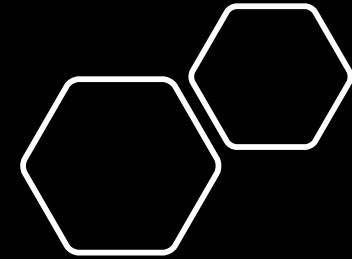
**VIDEO
LINK**



**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

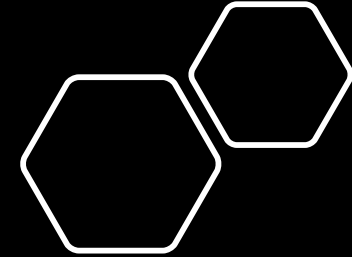
- Battery R&D services rapidly growing from \$200k in FY2019 to >\$2m in FY2020
- Sales and services from HPC & DTA testing tech forecast >\$2m in FY2020
- Above funds NOVONIX's battery technology development program (incubator) including Dalhousie University partnership collectively delivering a steady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



January 2020

ASX: NVX

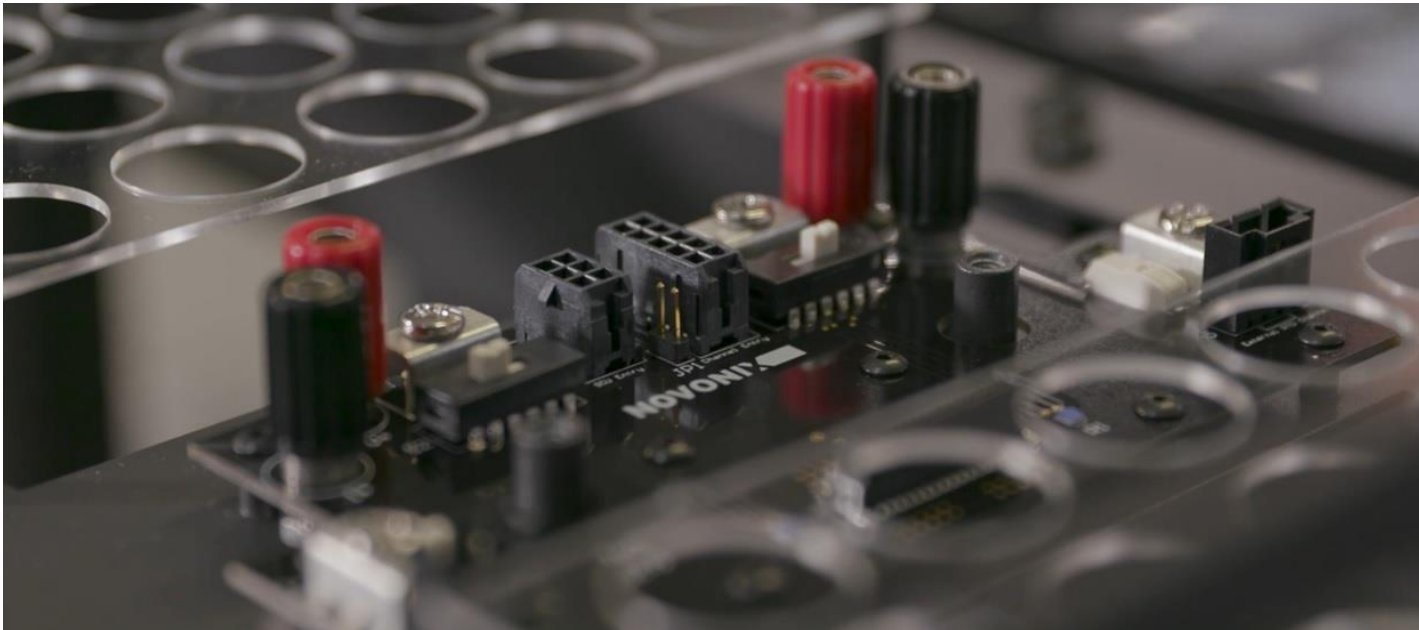
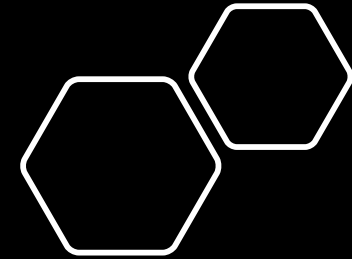
**self-funded
tech
incubator**



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



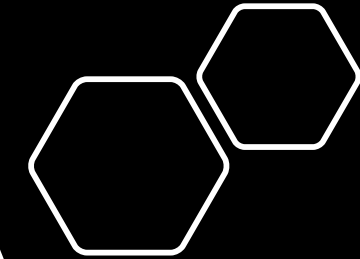
Leadership experience:



corporate travel
management



ارامكو السعودية
Saudi Aramco



strategy and leadership

Right team to execute the plan



Group Chief Operating Officer
CEO of PUREgraphite / CEO of BTS
Dr Chris Burns



Group VP Business Development
CFO of PUREgraphite / CFO of BTS
Nick Liveris



Group Chief Technical Officer
General Manager BTS
Dr David Stevens



Group Managing Director
Philip St Baker



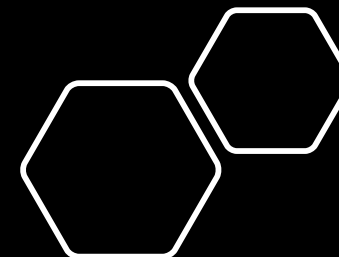
Group Executive Director
Greg Baynton



Group CFO and Co Secretary
Suzanne Yeates



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



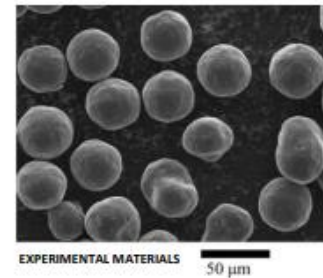
Technical experience:



technology & delivery

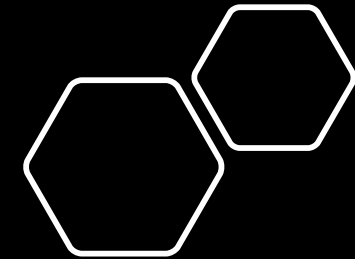
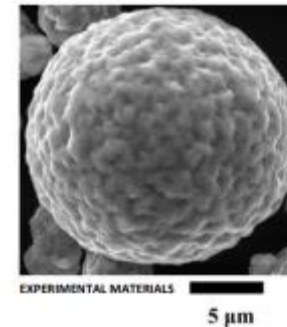
- **Manufacturer of battery anode material (PUREgraphite)**

- 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

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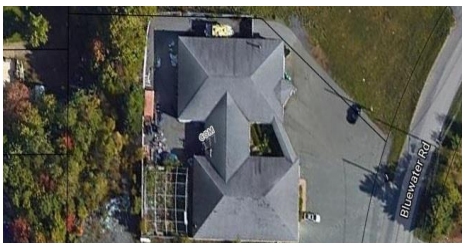
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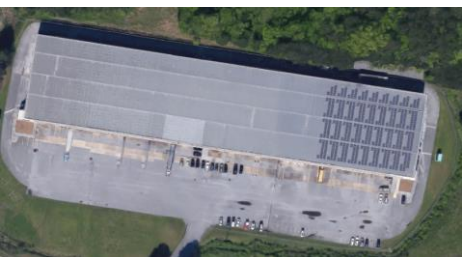
Battery Technology Solutions



Dartmouth, Nova Scotia, CANADA

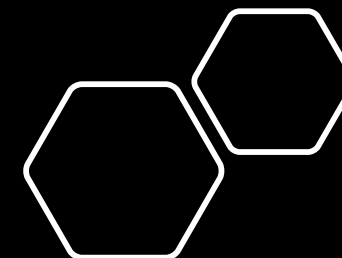
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PUREgraphite



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USA & CANADA