



MAGNIS
ENERGY TECHNOLOGIES

ENABLING FUTURE ENERGY



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To become a leading global producer of next-generation green credentialed Li-Ion Battery (LIB) cells, enabling the future energy requirements of the world and the global storage of renewable energy and electrification of transportation.

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Strategy of Growth



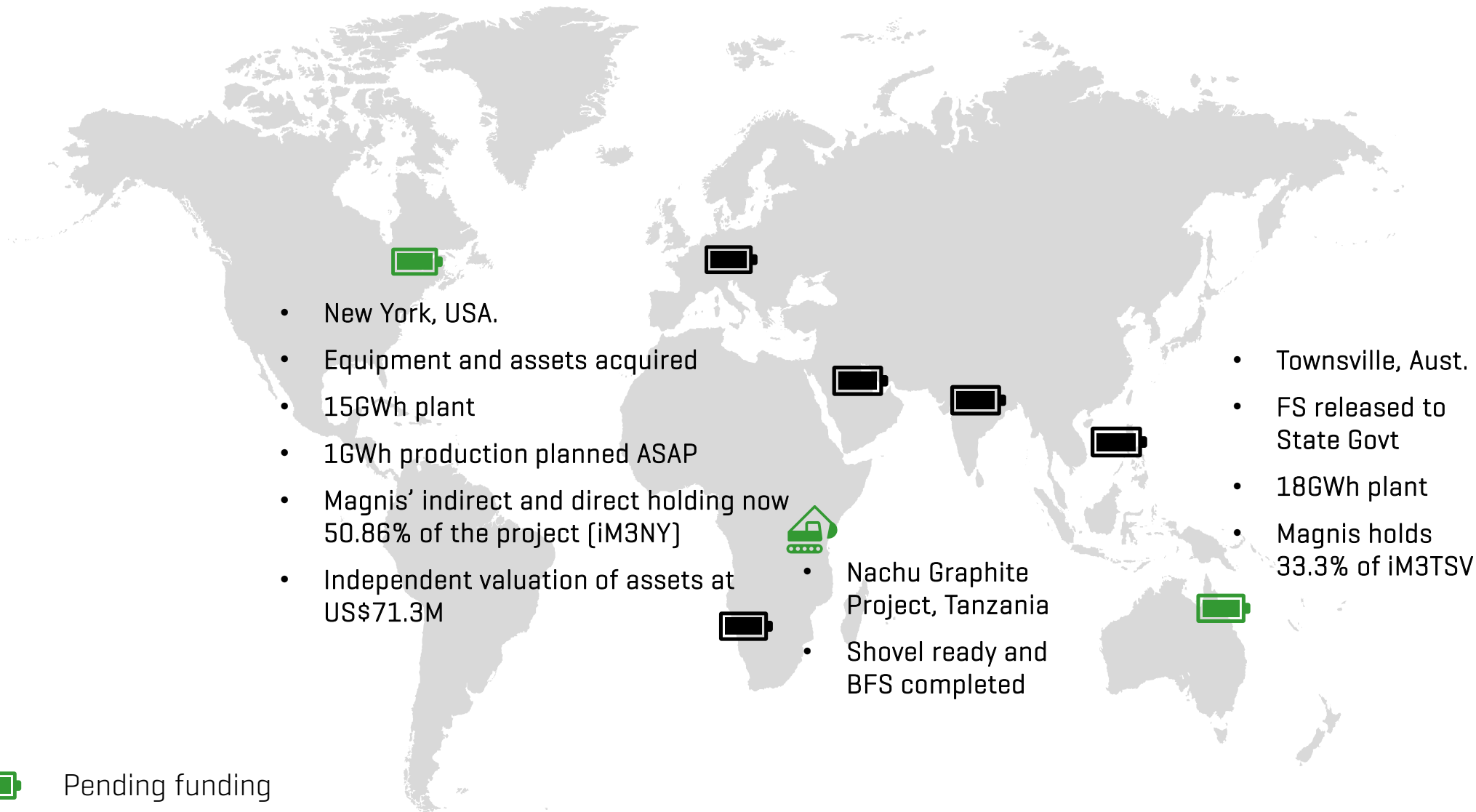
Leveraging off a world class graphite asset in Tanzania, associated production IP, and a strategic partnership with US based Charge CCCV

The Company's growth strategy encompasses:

-  Producing 99.95% graphite purity for LIB with strong green credentials;
-  Maintaining a competitive advantage through unique IP;
-  Developing Gigafactories globally with key alliances and JV partners.

Realisation of our growth strategy

Building a business of global Gigafactories



- New York, USA.
- Equipment and assets acquired
- 15GWh plant
- 1GWh production planned ASAP
- Magnis' indirect and direct holding now 50.86% of the project (iM3NY)
- Independent valuation of assets at US\$71.3M

- Nachu Graphite Project, Tanzania
- Shovel ready and BFS completed

- Townsville, Aust.
- FS released to State Govt
- 18GWh plant
- Magnis holds 33.3% of iM3TSV

 Pending funding
 Prospective



Strategic LIB Technology Partner C4V

- 🔌 C4V CEO, Dr. Shailesh Upreti, has been awarded numerous patents for which Magnis hold an exclusivity arrangement for use
- 🔌 Located within Binghamton University where advisor and inventor of LIBs, Nobel laureate Prof Stanley Wittingham, forms part of a leading center of excellence for LIB development
- 🔌 World class \$100m+ development facilities with capabilities for:
 - Materials engineering,
 - Cell fabrication & Cell testing



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Stages of Growth



While realisation of the overall growth strategy is ambitious, Magnis will stage its journey through the focused execution of near-term definitive projects and increased capabilities and resources to undertake a suite of longer-term growth opportunities

Near-term definitive projects include:

-  Nachu Graphite Mine & Process Plant
-  New York Battery Plant
-  Townsville Battery Plant

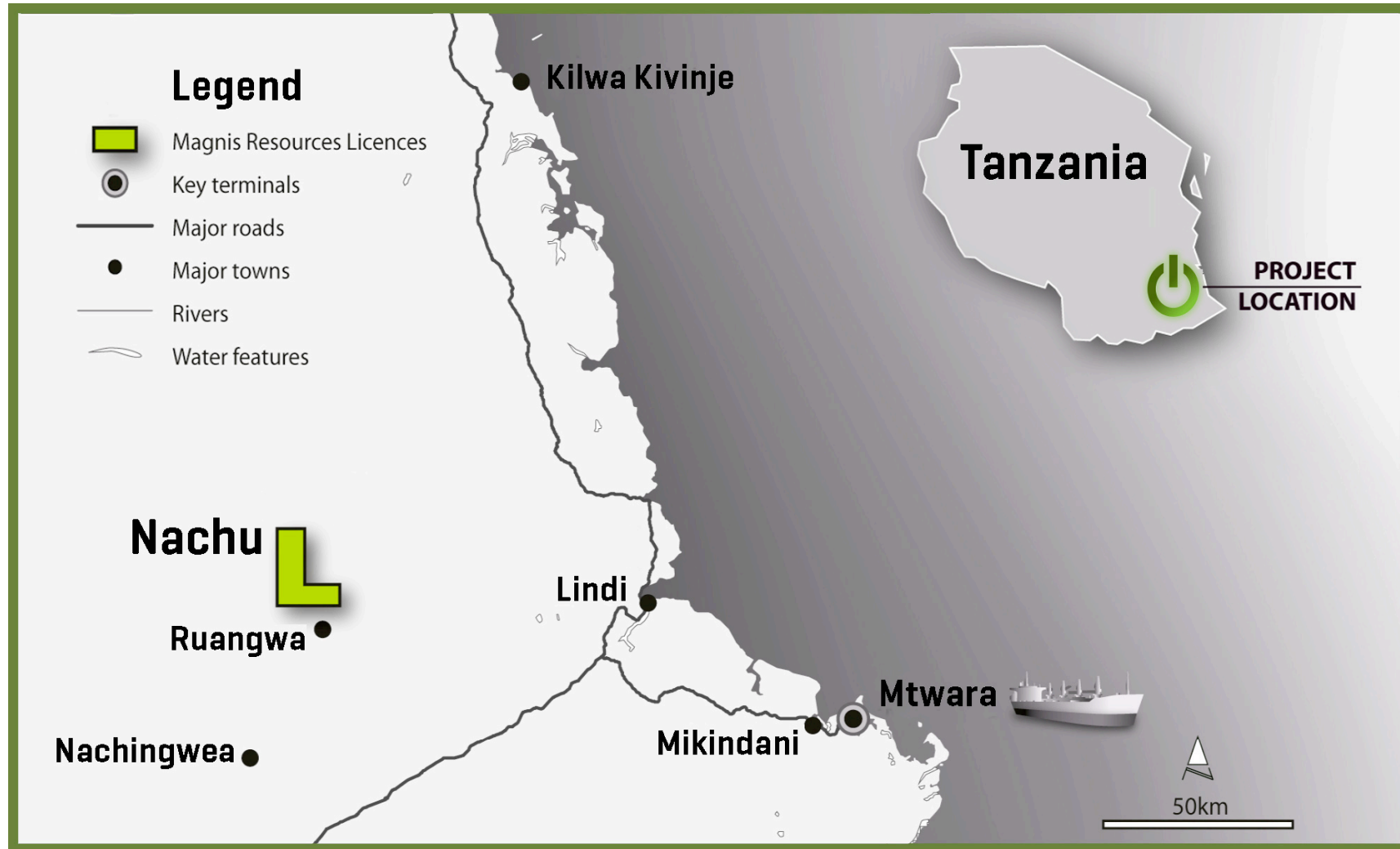
Nachu Graphite Project

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Project location – SE Tanzania Africa





Project Update



- 🔌 Special Economic Zone (SEZ) granted for production of value added graphite products via Magnis Technologies Tanzania (MTT)
- 🔌 Fiscal stability ensured with a range of incentives including a favorable 10-year corporate tax-free period
- 🔌 Project development integrated to downstream LIB manufacturing to leverage competitive advantage from quality of graphite and security of non-China supply chain
- 🔌 Land Compensation Program complete as per ASX announcement 30 Jan 2019

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Project Update – next steps



- 🔌 Secure funding – progressing debt and debt/equity financing options
- 🔌 Finalise agreement(s) with Govt of Tanzania / Mining Commission
- 🔌 Complete contractual negotiations with preferred EPC including developing detailed execution plans
- 🔌 Develop marketing strategy and early engagement of potential off-take customers
- 🔌 Commence execution of project

Project Schedule - Next 6 months



On-site

- Water Supply & Storage
- Resettlement Village - tender/build/relocate

Tanzanian Government

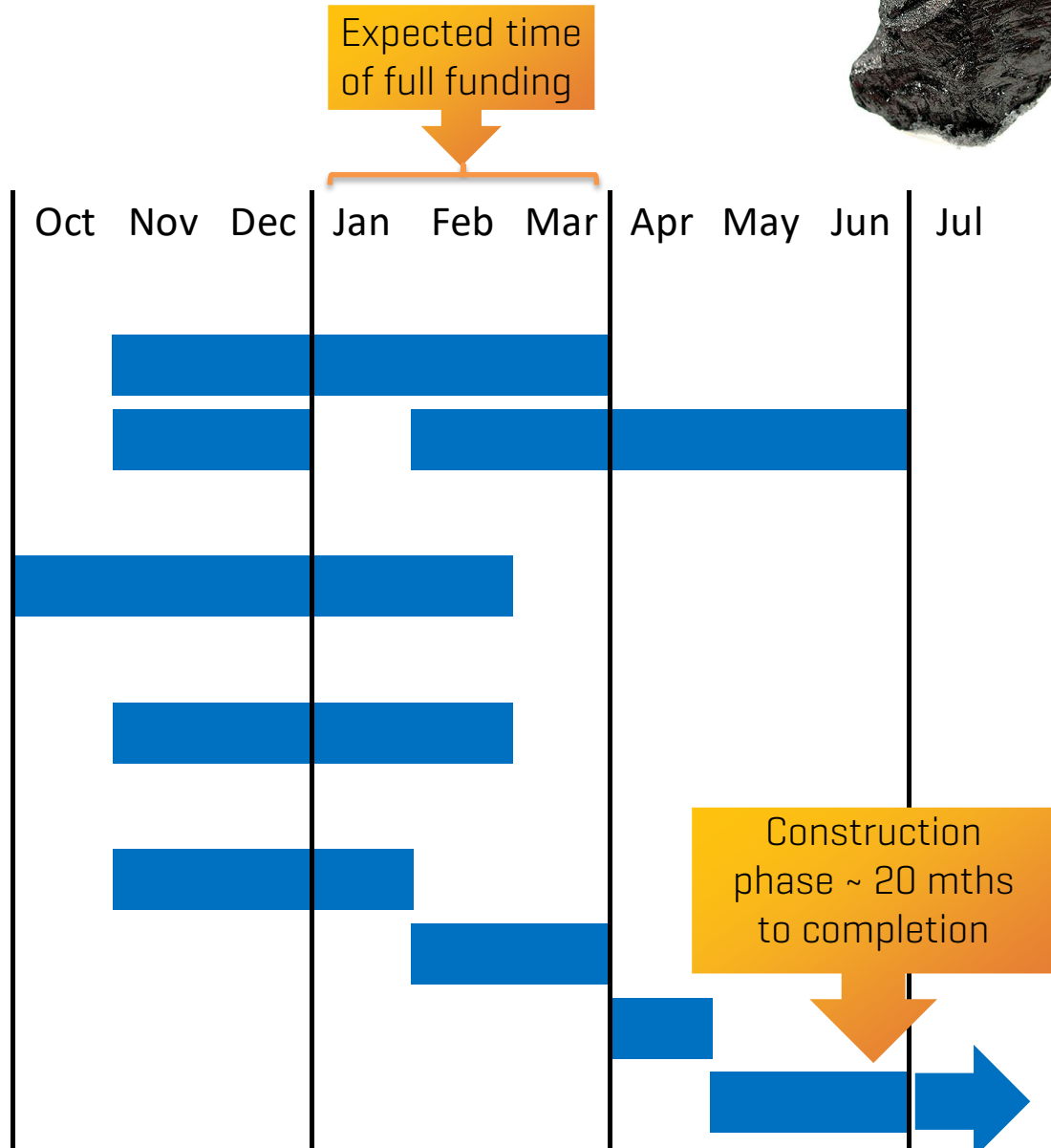
- Engage & finalise UTL / EPZA Agreement

Gas Supply

- Negotiate TPDC Gas / Scoping Study

Engineering - BFS plant as basis

- Value Engineering
- EPC quotation period
- Mobilization of Camp & utilities
- Construction commences



New York Battery Project

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NY IM3 LIB Plant Update







- 🔌 Magnis direct and indirectly owns 50.86% of iM3NY
- 🔌 Marketing and qualification of battery products to major OEM's [Original Equipment Manufactures]
- 🔌 Gen2 cells will be available by year end for customer testing and performance validation
- 🔌 Independent valuation of plant – US\$71.3 million

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NY IM3 LIB Plant – next steps



-  Contractor engaged (pending funding) to assemble and commission the existing plant in current location
-  Plant to be re-engineered with Strategic Partner Vendors for optimum yield
-  Demonstration of supply chain viability & validation of high yield battery production
-  Production will commence 9 – 12 months after funding is secured



Townsville Battery Project





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- Magnis has 33.3% ownership in iM3TSV
- Feasibility Study completed Sep 2019 – 18Gwh LIB plant indicates viable business case
- Next phase underway including planning & development approval, pilot manufacturing and verification
- Funding campaign commenced, with NAB engaged as financial advisor
- Proposed Plant to be developed in 3 stages – each 6Gwh reducing initial project capital and execution risk



Townsville LIB Project key Study Findings



\$3.054b

Capital
Investment

20%

Return on
Investment

\$2.65b

OPEX – 80%
materials

1,000+

Jobs during
operations

2,500

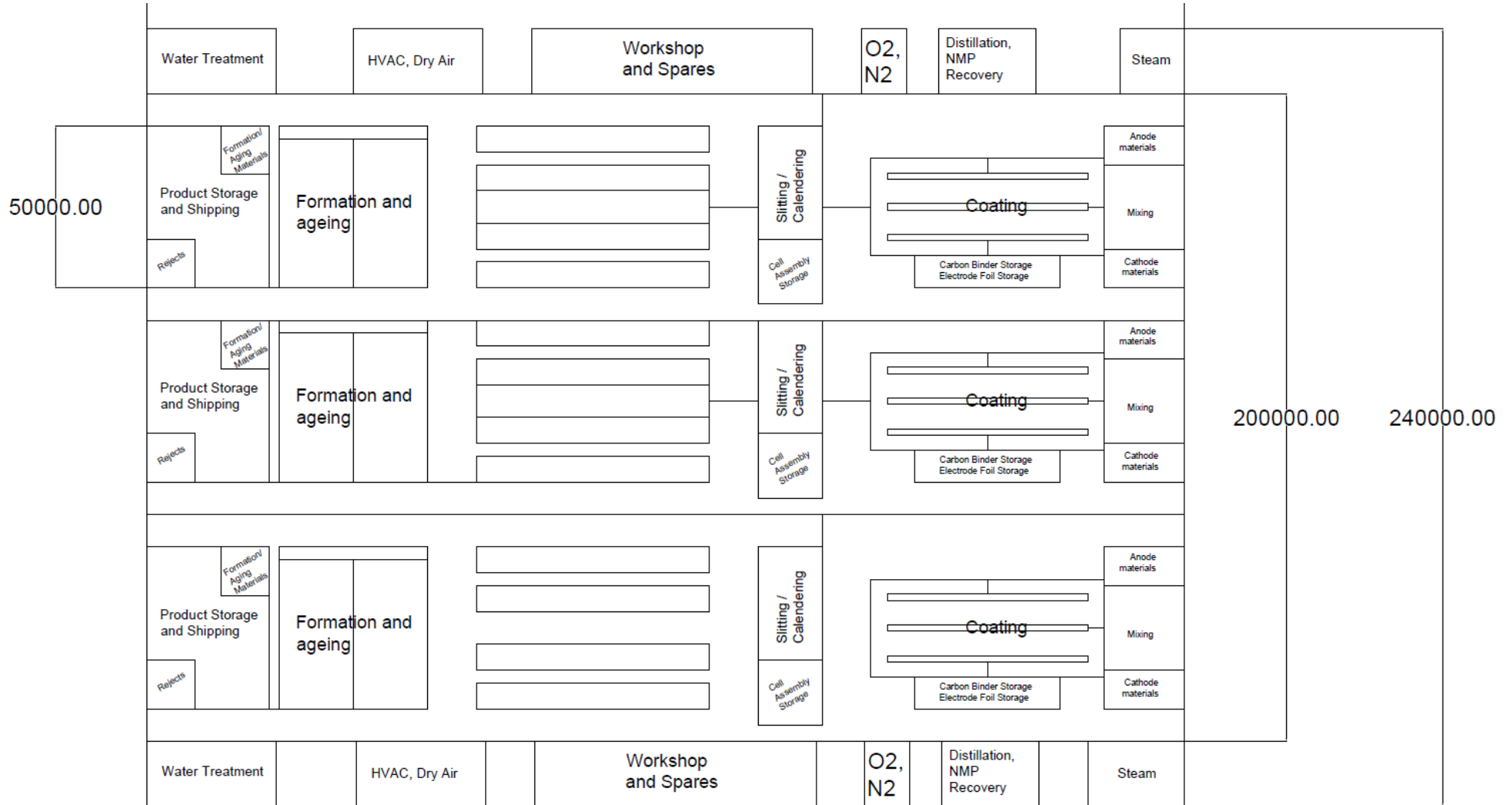
Jobs during
construction

US\$2.95b

Govt' taxes
over first 10
years



Modular Layout



20 1st Stage – 6GWh Production Plant



iME Ausenco GHD GHDWOODHEAD





Project Schedule



Stage

1

Commence construction of the first 6GWh plant [Stage 1] in Q3 2020. This will be operational in Q3 2022, ramping to 6GWh production after six months then operating at nameplate for another six months.

Stage

2

Commence construction of Stage 2 in Q1 2024 and to be operational in Q4 2025





Stage

3

Commence construction of Stage 3 in Q4 2025 and be operational in Q2 2027



Why Magnis?

-  **Global Opportunity** to make a direct investment into the rapidly growing Lithium-ion Battery [LIB] sector via Magnis.
-  **Unique IP** with our next generation anode & cathode battery materials, which have patent protection in over 35 countries. Leading particle engineering **IP** for our raw material processing.
-  **The People to Execute** with highly experienced & credible Board of Directors. Unrivalled capabilities and expertise in LIB, Automotive Innovation & Mining sectors.
-  End to end **Supply Chain Management** and control. Global procurement strategy which includes raw material acquisition and processing.





Corporate Overview

Capital Structure

ASX code	MNS
ASX share price [29 th OCTOBER 2019]	A\$0.145
52 week Low - High	A\$0.14 - \$0.38
Shares on issue	615.84 million
Market Capitalisation [@ \$0.145]	A\$89 million
Unlisted Options [various strike]	10.75 million
Average daily volume [50 days]	362,737

Board & Senior Management Shareholdings

Shareholder	Shares	Ownership
Board & Senior Management	27.326 M	4.4%

Major Shareholders

Shareholder	Shares [M]	Ownership
Mazzdel Pty Ltd	51.0	8.4%
Citicorp Nominees Pty Ltd	49.8	8.2%
UBS Nominees Pty Ltd	35.3	5.8%
BNP Paribas Noms	22.4	3.7%



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