

Commitment to the Future

Developing new sources of commercial lithium supply

Annual General Meeting Update

November 2018



LEPIDICO

Strategy...

- ...to fast track the business to free cash flow generation, demonstrate the commercial viability of L-Max[®] and become a globally significant, vertically integrated lithium chemical producer through the value chain from mine to battery grade lithium chemical.
- This will be achieved by leveraging the proprietary L-Max[®] technology to process concentrates from high-quality lithium mica Resources; and
- maintaining a focus on high-return, strategically located, sustainable developments in low risk jurisdictions.

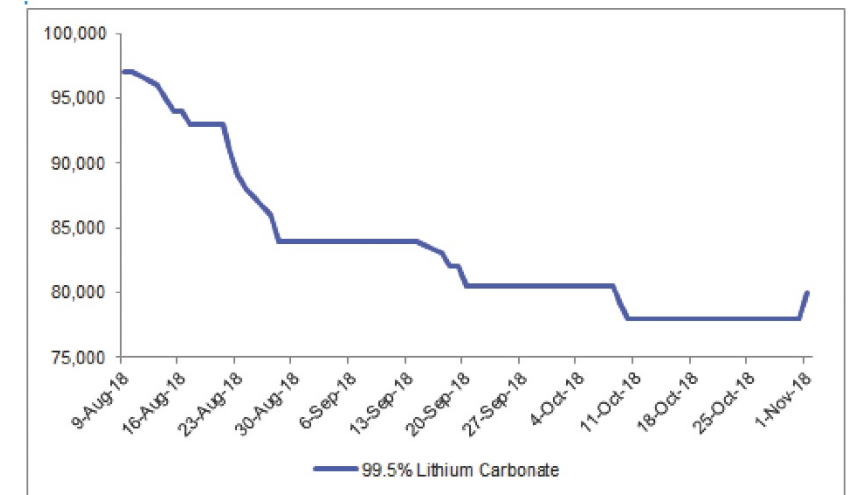
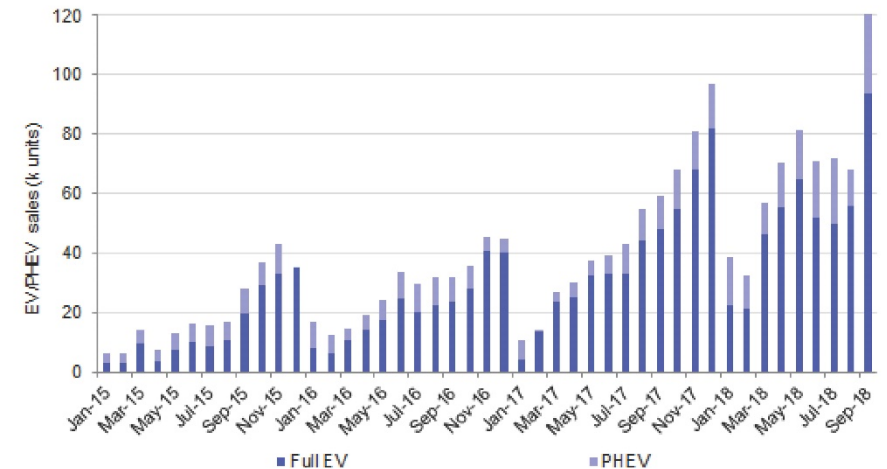


LEPIDICO

Macro Environment

- Spot lithium chemical prices declined significantly during 2018 from the record highs posted early in the year:
 - adequate supply; and
 - end users reduced inventory as Chinese subsidies switched
- Sentiment driven by new supply coming on stream in Australia and commitments to expansions by majors
- Electric vehicle adoption rates the key driver for demand long-term:
 - Chinese EV sales growing rapidly +14% MoM in October 2018, +102% vs PcP
 - Most commentators forecast 4 to 5-fold increase in annual lithium chemical demand in 2026 from c. 200,000t in 2017
- Substantial sources of new supply required to satisfy long-term demand requirements
- Continued Chinese spot price volatility expected – contract prices should continue to be more stable

Chinese EV sales & Lithium Carbonate Price (below)



Source: Deutsche Bank Research



FY2018 Achievements

- 2018 was incident free, zero-harm HS&E track-record
- Governance: Ms Cynthia Thomas and Mr Brian Talbot appointed as NED's
- Maiden JORC Code compliant Inferred Mineral Resource at Alvarrões
- Preliminary engineering for Phase 1 L-Max® Plant Feasibility Study completed by Lycopodium on schedule and within budget
- Capacity optimisation program completed for upgrade of Phase 1 L-Max® Plant from nominal 3,000tpa to 5,000tpa of battery grade lithium carbonate
- Baseline environmental studies and community consultation commenced for the preferred Phase 1 Plant site in Sudbury, Canada
- By-product suite optimisation: S-Max™ – amorphous silica; SOP, sodium sulphate; residue product and caesium/rubidium being evaluated
- Process design completed for L-Max® pilot plant



Sustainability: commitment & credentials

- Sustainability Policy developed in FY2018 and Feasibility Study risk management protocols developed
- OHS&E reporting further developed – no reportable incidents since records began in July 2016
- Environmental footprint – L-Max[®] is a clean-tech process
 - Production of eco-friendly compounds – lithium carbonate, SOP fertilizer, sodium sulphate, amorphous silica
 - Further product development potential – caesium/rubidium and gypsum
 - Minimise waste – University of Waterloo study to use L-Max[®] residue to rehabilitate landfill sites
 - Minimise emissions – only material emission is steam after heat recapture
 - Process is not energy intensive 4.5MW capacity for 5,000tpa LCE – hydro-power in Sudbury
 - Chemical plant footprint approximately 6,300m²
 - Mine-concentrator footprint minimised by co-disposal of fines with mine waste – no tailings storage facility
 - Potential for ceramic grade by-products from concentrator – feldspar and quartz
- Governance improvements continued with the appointment of two further NED's – Corporate Governance Statement
- Stakeholder consultation & engagement – proactive, open and transparent

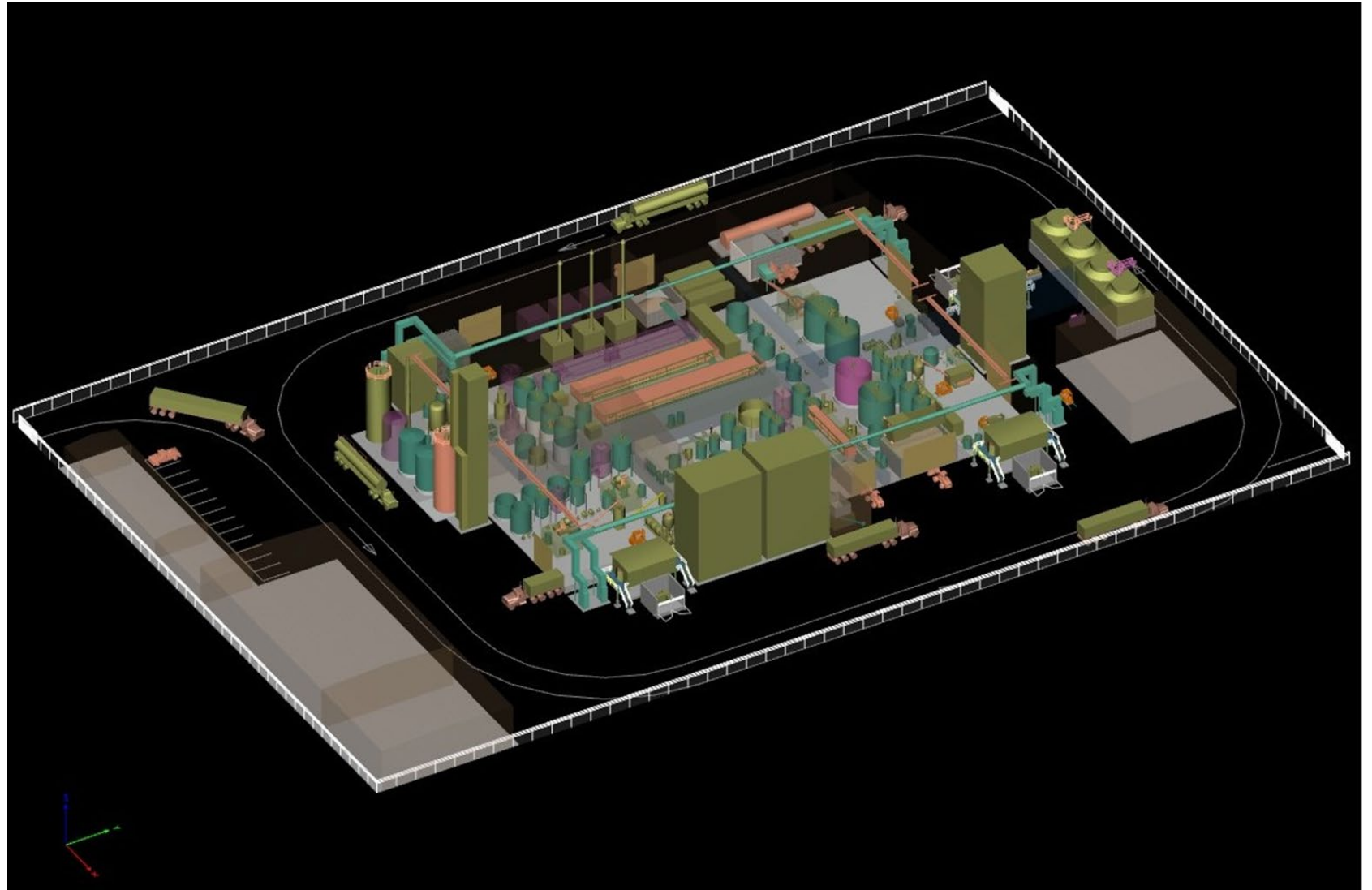


Phase 1 L-Max[®] Pilot Plant

- Process design completed for a 15kg per hour L-Max[®] pilot plant – 10-15x scale up from mini-plant trials
- Development commenced October 2018
- Development capital A\$3M, operating cost for R&D trial A\$1.5M – expenditure eligible for R&D tax refund (43%)
- Rationale for pilot plant development:
 - Demonstrate L-Max[®] technical viability using like for like equipment employed to that for the Phase 1 Plant (mini-plant used laboratory equipment)
 - Reduces scale-up 10-fold, down to 240 times at nominal throughput of 3.6tph for Phase 1 Plant (480 times at 7.0tph)
 - Opportunity for prospective Phase 1 Plant offtake/finance partners to due diligence L-Max[®] in operation once Feasibility Study results are known
 - Provide material for further product development of: amorphous silica, SOP fertiliser, caesium brine and environmental remediation residue; other products may be added and assessed
 - Provide data for optimisation of Phase 1 Plant operating parameters and determine ramp-up schedule

Phase 1 Plant Engineering

- Feasibility Study engineering close to completion
- Enclosure footprint reduced to 6,300m² despite increase in debottlenecked throughput to 6.9 tonnes per hour for production of 5,000 tonnes of lithium carbonate per annum
- Circuit allows for production of all L-Max[®] by-products
- Total site footprint circa 200m x 180m including laydown areas, ancillary building and parking



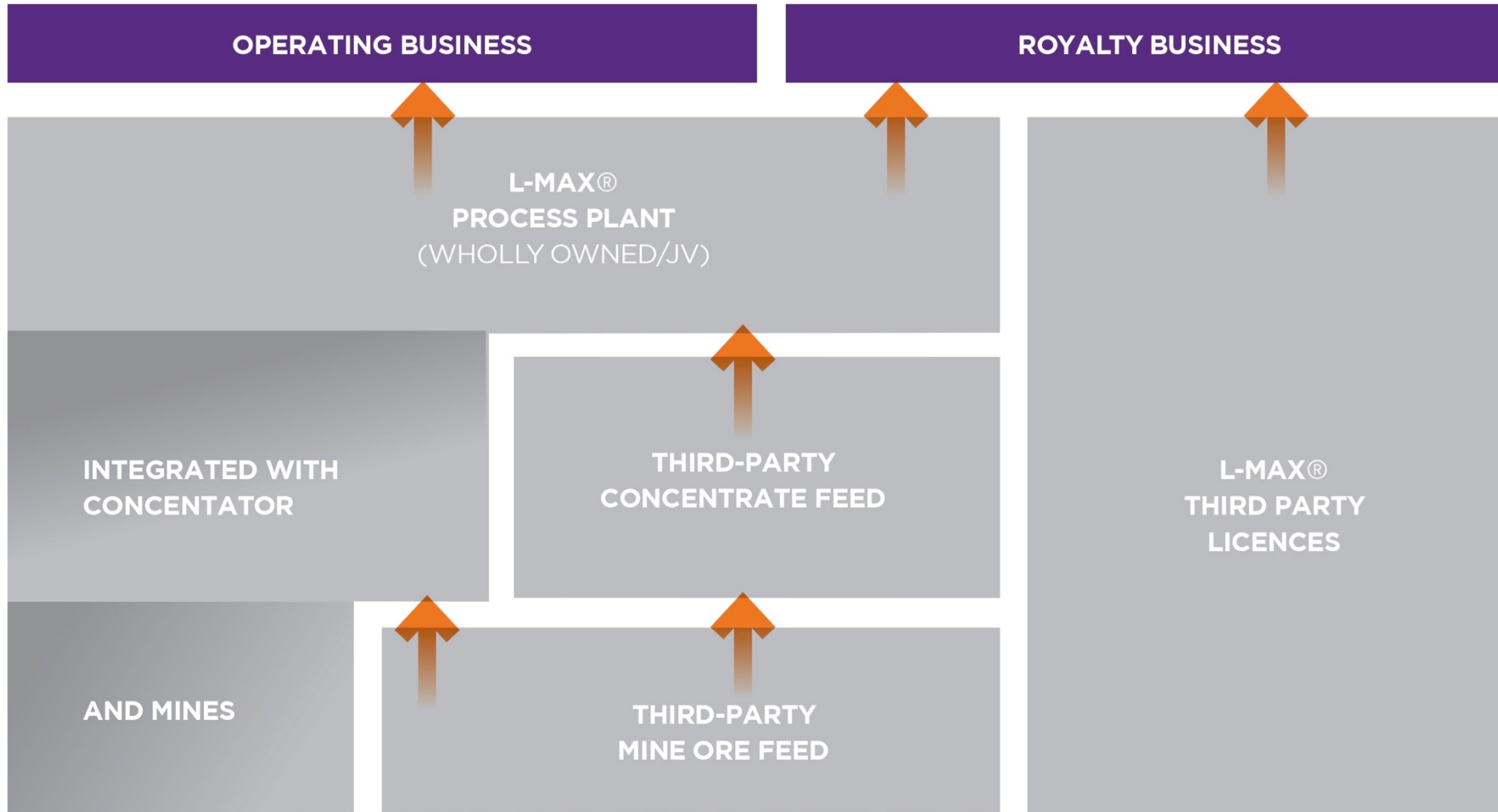
FY2019 Priorities

- Complete integrated Phase 1 L-Max[®] Plant Feasibility Study in April:
 - engineering on schedule for completion December 2018;
 - maiden Ore Reserve at Alvarrões March 2019; and
 - concentrator design based on Alvarrões feed
- Commission L-Max[®] Pilot Plant April 2019, followed by one-month operating campaign
- Resolve critical path items: finance & offtake, permits & approvals:
 - favoured finance structure: strategic investor and offtake partner with part of finance linked to product pre-payment + grants;
 - permits and approvals required for mine expansion and concentrator in Portugal, EIS has commenced;
 - development of L-Max[®] plant in Sudbury; and
 - registration of products for commercial use
- Broaden Mineral Resource base to support expanded throughput for Phase 1 Plant and Full-Scale Plant Scoping Study



Mineral Resource drilling at Alvarrões, November 2018

Business Model



Asset Overview

Alvarrões Lepidolite Mine, Operating

Mine expansion & concentrator in Feasibility Study

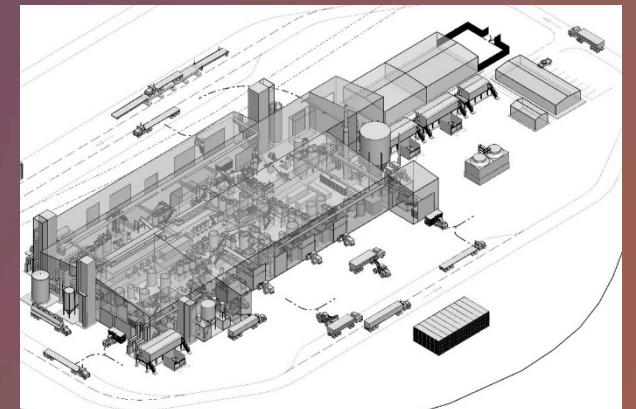
Inferred Resource 1.5Mt @ 1.1% Li₂O
Ore offtake agreement with Grupo Mota
Drilling October 2018



Separation Rapids lithium deposit 9.6Mt @ 1.31% Li₂O
Lepidolite offtake LOI with owner Avalon Advanced Materials



Phase 1 L-Max[®] Plant Sudbury, Canada
In Feasibility Study
Corporate Office, Toronto



Strategic Alliance Mt Cattlin & L-Max[®] Synergy Initiative

Lepidico Registered Office & Technical Capability, Perth
L-Max[®] Pilot Plant
Pre-development



Youanmi JV LPD 80% Earn-in on Youanmi Li-rights, Lepidolite rich pegmatite
Drilling September 2018



Important Notice

This presentation has been prepared by the management of Lepidico Ltd (the 'Company') for the benefit of brokers, analysts and investors and not as specific advice to any particular party or person.

The information is based on publicly available information, internally developed data and other external sources. No independent verification of those sources has been undertaken and where any opinion is expressed in this document it is based on the assumptions and limitations mentioned herein and is an expression of present opinion only. No warranties or representations can be made as to the origin, validity, accuracy, completeness, currency or reliability of the information. The Company disclaims and excludes all liability (to the extent permitted by law), for losses, claims, damages, demands, costs and expenses of whatever nature arising in any way out of or in connection with the information, its accuracy, completeness or by reason of reliance by any person on any of it.

Where the Company expresses or implies an expectation or belief as to the success of future exploration and the economic viability of future projects, such expectation or belief is based on management's current predictions, assumptions and projections. However, such forecasts are subject to risks, uncertainties and other factors which could cause actual results to differ materially from future results expressed, projected or implied by such forecasts. Such risks include, but are not limited to, exploration success, commodity price volatility, future changes to mineral resource estimates, changes to assumptions for capital and operating costs as well as political and operational risks and governmental regulation outcomes. For more detail of risks and other factors, refer to the Company's other Australian Securities Exchange announcements and filings. The Company does not have any obligation to advise any person if it becomes aware of any inaccuracy in, or omission from, any forecast or to update such forecast.

Competent Person Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Tom Dukovcic, who is an employee of the Company and a member of the Australian Institute of Geoscientists and who has sufficient experience relevant to the styles of mineralisation and the types of deposit under consideration, and to the activity that has been undertaken, to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves." Mr Dukovcic consents to the inclusion in this report of information compiled by him in the form and context in which it appears.



LEPIDICO

Creative Resources Leadership

Website: www.lepidico.com

Contact us: info@lepidico.com