28 February 2023

Investor Webinar

rnc motion





Webinar Agenda

- 1. COB update
- 2. The cobalt market
- 3. Developments in NCM and LFP Market Share
- Influence of the Inflation Reduction Act/ Green Deal Industrial Plan response

Recent Key Milestones

- **1. Capital raise:** Placement and shareholder entitlement raised A\$22m.
- 2. Feasibility Study (FS) progressing: Contracted engineering firms engaged, EIS fieldwork continues.
- **3. Demonstration Plant:** Underground mining and concentrate processing complete. First large scale MHP expected shortly.





BHCP: Demonstration Plant

Underground Portal

Concentrator Circuit



4

BHCP: Demonstration Plant

Horizontal vacuum filter belt & Pressure oxidation leach circuit

MHP (30% Co, 7% Ni) & Cobalt Sulphate (20% Co)





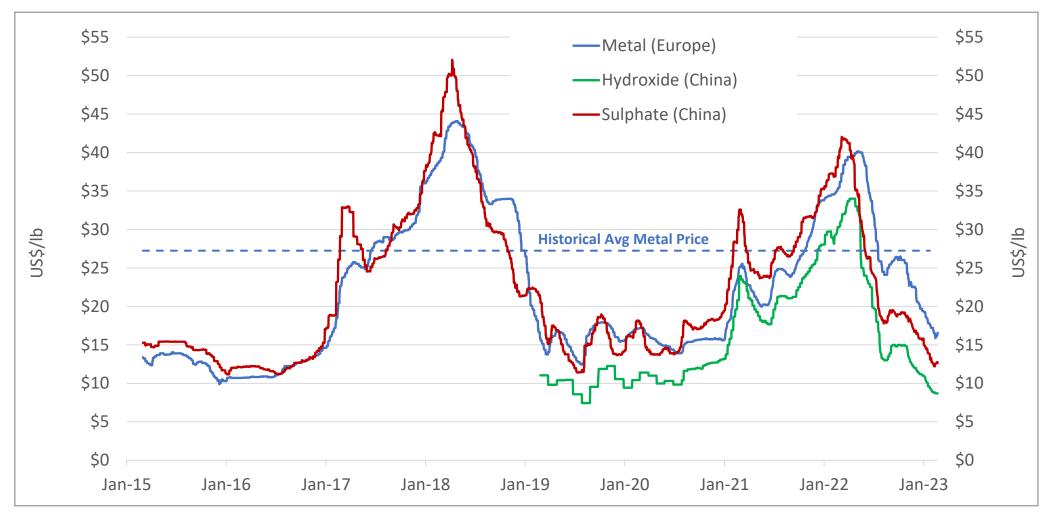
Recent Key Milestones

- **4. Project Partner discussions ongoing:** Targeting OEMs, manufacturers and traders across the battery supply chain.
- **5.** Critical Minerals Accelerator Grant: (A\$15m) funds contributing towards FS delivery.

Cobalt Nickel Mixed Hydroxide

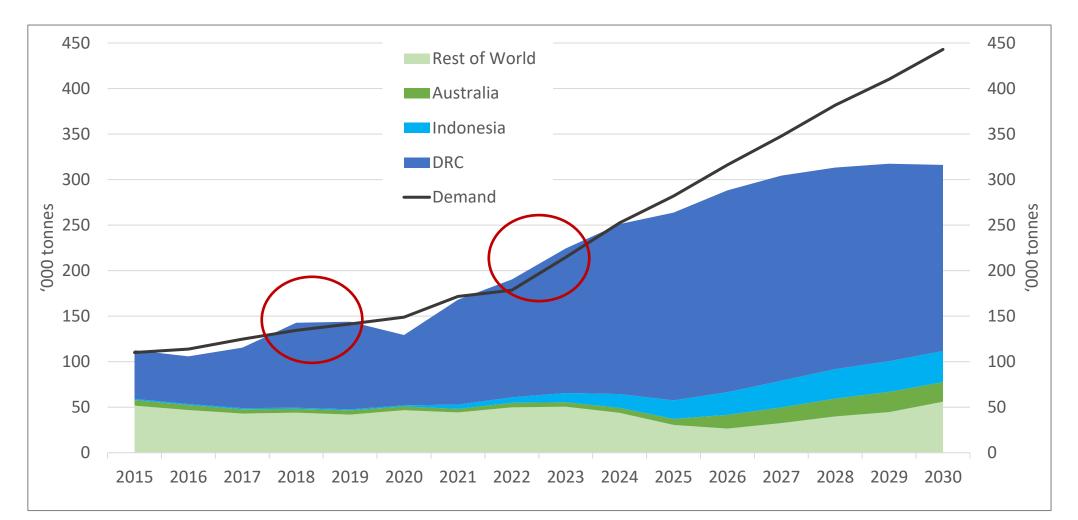
> Cobalt Sulphate

Cobalt Prices: Supply outpacing demand



ASX: COB

Cobalt Prices: Supply outpacing demand





EV&BA

rhc motion

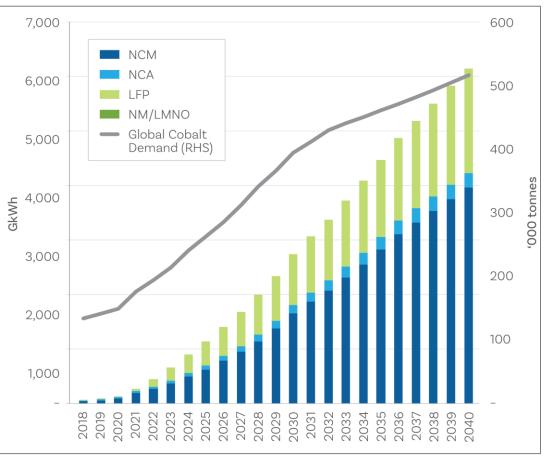
LFP and its future beyond China

Will Roberts 28th February 2023

LFP share rising, so is cobalt demand

Li-ion battery cell chemistry market share 100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0% 2038 2039 2040

Li-ion battery cell chemistry growth vs cobalt demand



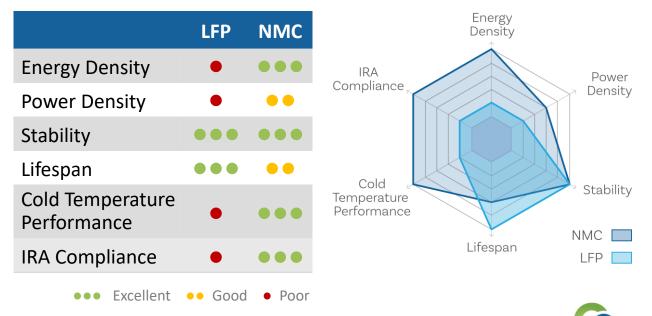
NCM vs LFP

Li-ion EV battery cell chemistry market share

Most EV batteries today use one of two types of cathodes:

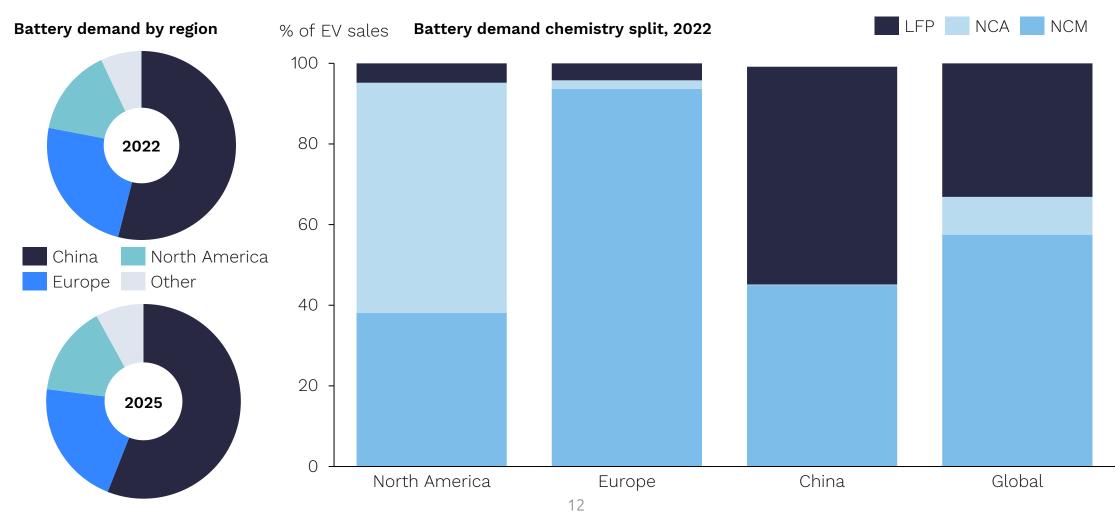
- Nickel Cobalt Manganese (NCM) cathodes:
 - Capable of storing more energy
 - Superior life spans
 - Superior thermal stability, thus safer
 - Use costly materials (nickel, cobalt).
- Lithium Iron Phosphate (LFP).
 LFP cathodes:
 - Less energy efficient (due to weight)
 - Slower cold-weather charging
 - Little capacity ex-China
 - Safer in higher temperatures
 - Use less costly materials (iron, phosphate)





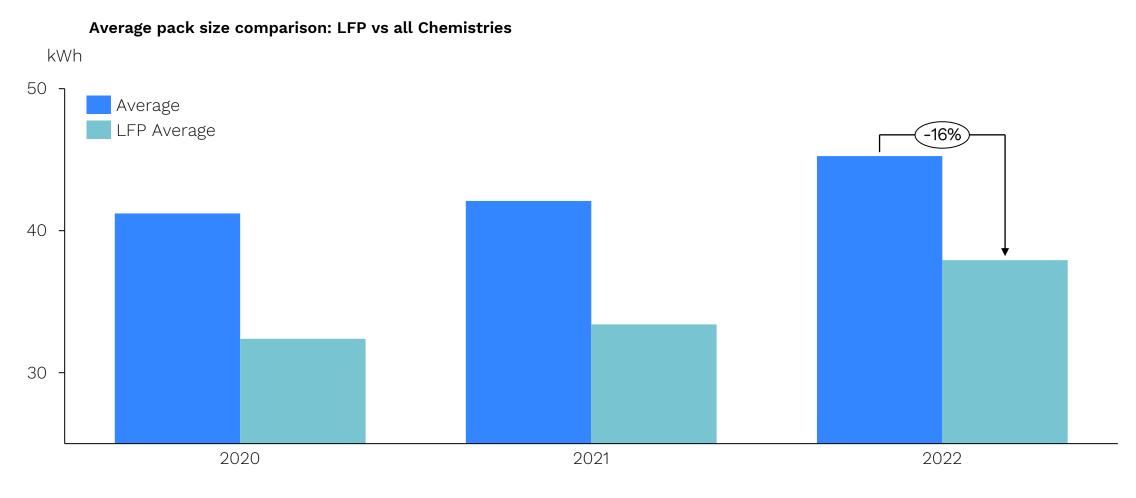
Chemistry deployment varies significantly between regions





www.RhoMotion.com

Average pack sizes are smaller for LFP for nearly every vehicle segment in which it appears

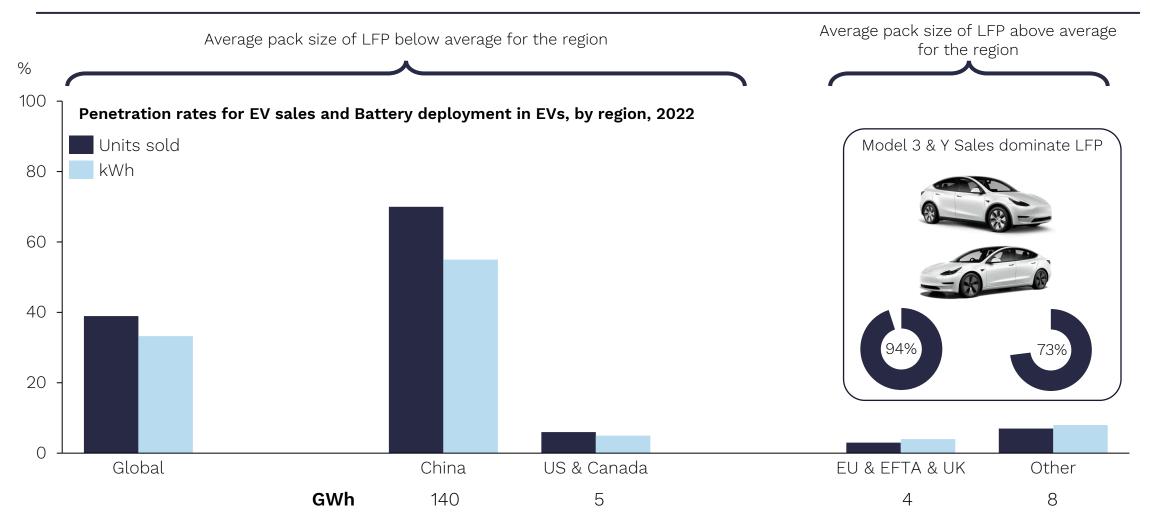


rho motion

www.RhoMotion.com

LFP penetration in vehicle sales is higher than in battery deployment, heavily weighted by China

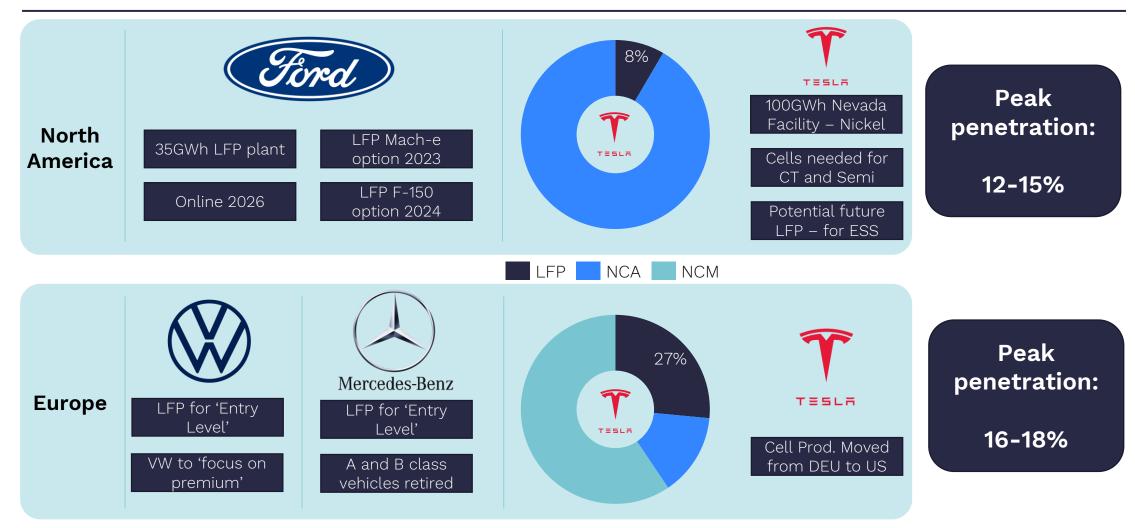




www.RhoMotion.com

LFP adoption in Europe and North America

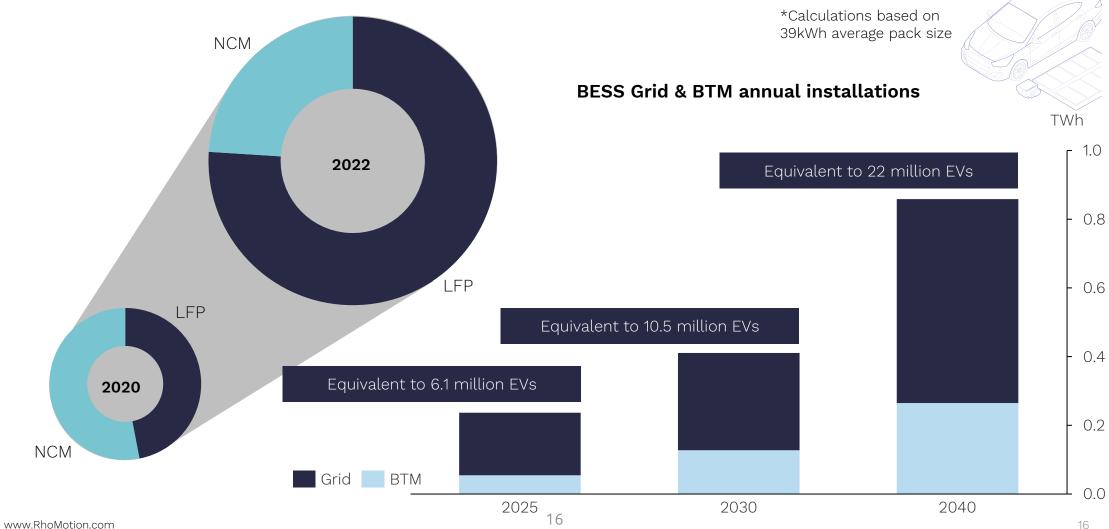




www.RhoMotion.com

15

ESS Battery demand is ~10-15% relative to the EV market and is quickly moving to LFP



Copyright Rho Motion 2023, sharing or reproduction is not permitted without permission

16

rho.

motion

LMFP technology spotlight

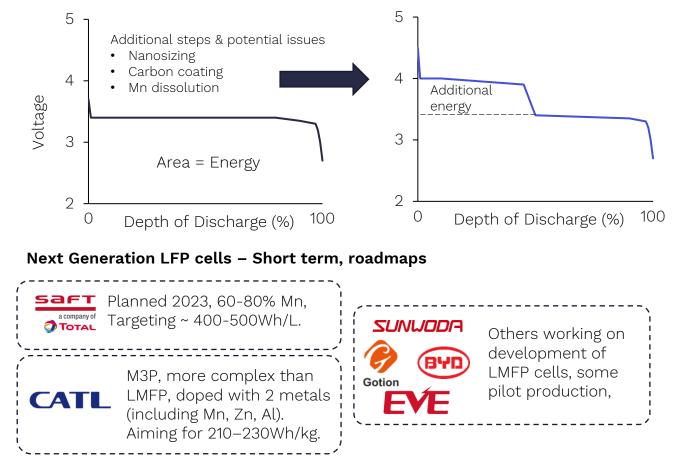


Next Generation LFP

- This quarter we have split out LMFP in the cathode chemistry forecast on the back of increased interest and announcements from cell manufacturers and OEMS.
- LFP is favoured by Chinese cell manufacturers, with its benefits in safety, cost and cycle life. Whilst there has been advancements optimising cell-to-pack, like with the BYD Han blade moduleless design (~140Wh/kg, 210Wh/L) there are still fundamental material limitations.
- The next opportunity is represented by LiM_xFe_{1-x}PO₄ (LxFP), where iron (Fe) is partially substituted by other metals such as Mn, Zn and Al. CATL has claimed that M3P is ready for mass-production in 2023 and aims to supply the ~700km range BEVs with M3P cells in CTP 3.0 (Qilin) battery packs.
- In preparation for the future demand, CAM suppliers, such as Easpring and Dynanonic, have started to invest in LMFP cathode material projects.

Energy improvements – LFP (left) vs. LMFP (right)

17

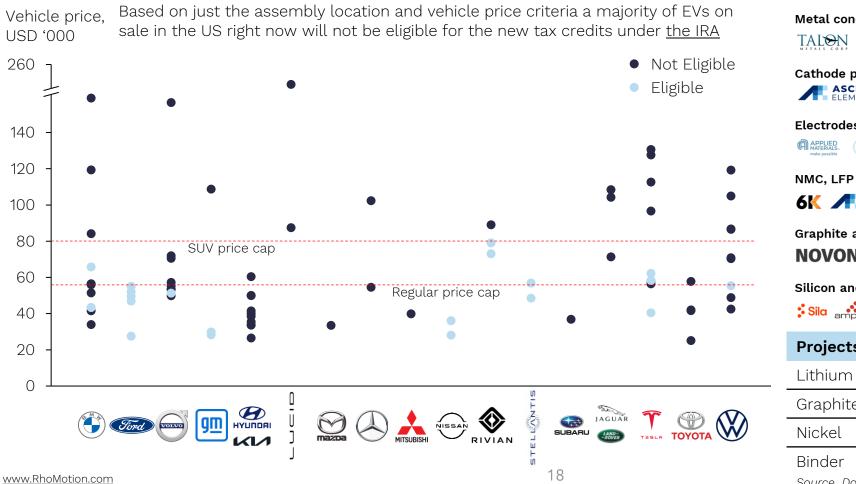


www.RhoMotion.com

US Bipartisan Infrastructure Law and Inflation Reduction Act



EV purchase price by OEM and IRA eligibility



 Metal concentrates, salts

 Image: Second state

 Image: Seco

20 companies awarded USD2.8 billion

funding from the Infrastructure Law

Graphite anode active materials

Silicon anode active materials

Sila amprius GROUP14

Projects could provide:

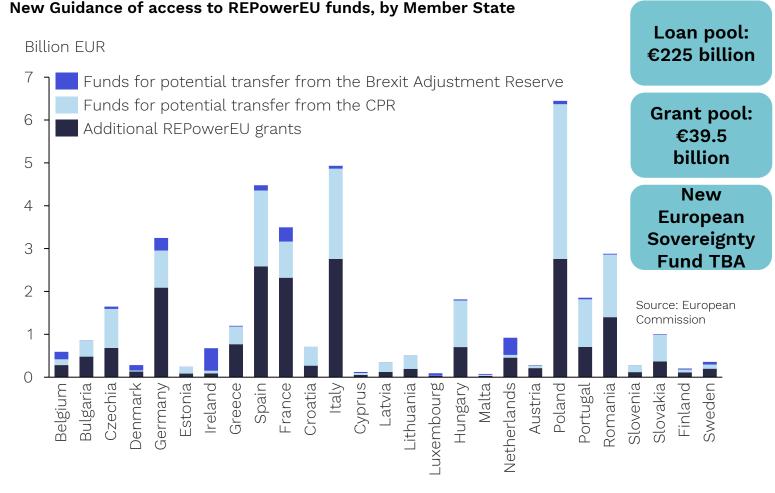
Lithium	2 million EVs
Graphite	1.2 million EVs
Nickel	400,000 EVs
Binder Source DoE	45% US demand Page 18

Europe responds to the IRA



The Four Pillars of the Green Deal Industrial Plan

- Simplify the regulatory environment – ease of permitting
- **Financing** through grants and loans
- Enhancing **skills** for net-zero related industries
- Facilitate open and fair **trade** to build supply chains



www.RhoMotion.com

CHARG

•

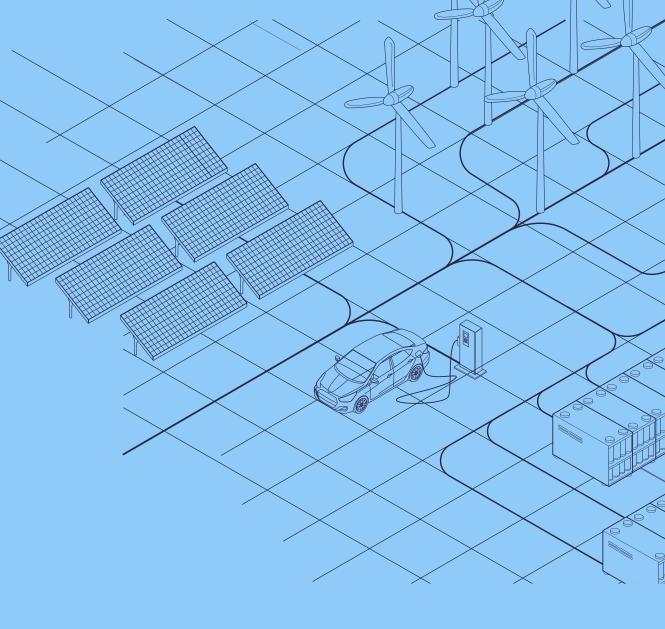
ЕК≺

EV&BA

rho motion

Any Questions?

Contact: info@rhomotion.com +44 (0) 203 960 9986



Disclaimer

- This presentation includes forward-looking statements. Forward-looking statements are not guarantees or predictions and involve known and unknown risks, uncertainties and assumptions, which are outside the control of Cobalt Blue Holdings Limited ("COB" or "the Company"). These risks, uncertainties and assumptions may include commodity prices, currency fluctuations, economic and financial market conditions in various countries and regions, environmental risks and legislative, fiscal or regulatory developments, political risks, project delay or advancement, approvals and cost estimates. Actual values, results or events may be materially different to those expressed or implied in this presentation. Given these uncertainties, readers are cautioned not to place reliance on forward-looking statements.
- To the fullest extent permitted by law COB does not accept or assume responsibility for the Rho Motion slides.
- Any forward-looking statements in this presentation speak only at the date of issue of this presentation. Subject to any continuing obligations under applicable law and the ASX Listing Rules, COB does not undertake any obligation to update or revise any information or any of the forward-looking statements in this presentation or any changes in events, conditions or circumstances on which any such forward looking statement is based. This presentation does not constitute investment advice.
- Neither this presentation nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of shares in the Company in any jurisdiction. Shareholders should not rely on this presentation. This presentation does not take into account any person's particular investment objectives, financial resources or other relevant circumstances and the opinions in this presentation are not intended to represent recommendations of particular investments to particular persons. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments. The information set out in this presentation does not purport to be all-inclusive or to contain all the information, which its recipients may require in order to make an informed assessment of the Company. You should conduct your own investigations and perform your own analysis in order to satisfy yourself as to the accuracy and completeness of the information, statements and opinions contained in this presentation. To the fullest extent permitted by law, the Company does not make any representation or warranty, express or implied, as to the accuracy or completeness of any information, statements, opinions, estimates, forecasts or other representations contained in this presentation. No responsibility for any errors or omissions from this presentation arising out of negligence or otherwise is accepted.