# Half-Year Financial Results

For the period ending 31 December 2021

28 February 2022







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This release was approved by Martin Perez de Solay, CEO and Managing Director of Allkem Limited.

Agenda

Half-Year
Summary &
Sustainability

Operations update

Financial Results

Development Assets & Lithium Market

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# FY22 Half-year Summary Well positioned to deliver further growth

#### Corporate

## **Merger Completed**

**With Galaxy Resources** 

## ASX/S&P 100 index

**Entered in December 2021** 

## **Operations**

#### TRIFR of 3.6

For rolling 12 months for the group

#### 71,458 dmt

Spodumene produced from Mt Cattlin<sup>1</sup>

## **6,446 tonnes**

Li<sub>2</sub>CO<sub>3</sub> produced from Olaroz

## **Financials**

US\$ 192.3 mil

**Group Revenue** 

Including:

US\$ 114.9 mil<sup>1</sup>

From Mt Cattlin

US\$ 65.6 mil

From Olaroz

US\$ 118.4 mil

**Gross Profit** 

US\$ 97.9 mil

**Group EBITDAIX** 

US\$ 106.3 mil

Lithium EBITDAIX excluding corporate costs

US\$ 449.8 mil

**Cash and cash equivalents** 

US\$ 57.1 mil

**Underlying Group Net Profit After Tax** 

US\$ 13.0 mil

**Group Net Profit After Tax** 

H2 FY22 Li<sub>2</sub>CO<sub>3</sub> pricing upgraded to US\$25,000/tonne

## Development

## **68% Completion**

At Olaroz Stage 2. First production expected in H2CY22

## **Virtual completion**

Of Naraha LI<sub>2</sub>OH Facility. First production expected in H1CY22

#### **Construction commenced**

At Sal de Vida in January 2022

Feasibility results released

**At James Bay** 

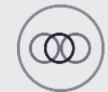
## **Leading ESG Practices**

Delivering sustainable products to accelerate a low carbon future



# Safe & Sustainable Operations

- Operating within COVID-19 Biosecurity Protocol
- Groupwide Health, Safety and Environmental standards implemented
- TRIFR of 3.6 for rolling 12 months
- Roll out of integrated Health, Safety and Environmental reporting platform
- Continued initiatives to maintain highest possible health and safety practices



## Thriving Communities

- Shared Value team works with local communities to create long-term benefits across five pillars: empowerment, transparency, education, health, local production and natural resources.
- Local hire philosophy across all operations with 40% Olaroz employees from local indigenous communities
- Focus on local procurement spend
- Strong working relations with the
   First Nations of Eastmain in Quebec



# Responsible **Products**

- Transition of operational scope 1 and
   2 emissions to net-zero by 2035
- Submitted second Modern Slavery
   Statement to the Australian
   Government in FY21
- Human rights training conducted organisation wide
- James Bay to use electricity sourced from hydro power in mine site operations



 Our long-term commitment to sustainability and transparent reporting is evident in recognition from ACSI and inclusion in the DJSI

Member of

## Dow Jones Sustainability Indices

Powered by the S&P Global CSA

- FY21 Sustainability Report outlines response to material topics identified by stakeholders
- "As of 2021, Allkem received an MSCI ESG Rating of "A" for the third year in a row



## Mt Cattlin

LOCATION

STATUS

PRODUCT

○ OWNERSHIP

Western Australia Operation

**Spodumene concentrate** 

100%

## Stable and mature operation generating strong revenues

#### **Strong operational and financial performance**

Metric	UoM	HY FY22 <sup>1</sup>
Production volume	Dry metric tonnes	71,458
Product grade	Li <sub>2</sub> O %	5.7
Unit cash costs of production	FOB Esperance US\$/ tonne	335 <sup>2</sup>
Sales	Dry metric tonnes	96,871
Revenue	US\$ mil	114.9
Net Profit After Tax	US\$ mil	25.0
EBITDAIX	US\$ mil	71.0

- Revenue of ~US\$115M from sales of 96,871 tonnes at an average selling price of US\$1,186/tonne CIF. Gross profit margin of 62%
- Excellent operational performance due to favourable head grade and improved processing rates and recoveries
- Front-end ore sorters continued to make positive contributions, treating material from low-grade ore stockpiles
- As a result, competitive cash costs of production achieved, beating full year CY21 guidance

#### Outlook

- Robust customer demand and spodumene price increase momentum continues
- FY22 production forecast of 200-210k dmt, returning to life of mine average head grade with costs of US\$400-430/tonne FOB
- March quarter pricing up 111% to US\$2,500/t CIF SC6 on H1 FY22
- Exploration program planned to commence in March to test immediate extension to mine-life
- WA borders will reopen on 3 March which will reduce the pressure on staff and material resourcing and improve cost management
  - 1. Results are recorded from the date of the merger with Galaxy on 25 August 2021 to 31 December 2021
  - 2. Excluding marketing and royalties

## Olaroz

LOCATION

STATUS

○ OWNERSHIP

Jujuy Province, Argentina

Operation

Lithium Carbonate

66.5%

## Long life, low cost and sustainable brine operation

#### Strong operational and financial performance in H1

Metric U	JoM H1 FY22	PCP%
Production Volume ton	nes <b>6,44</b> 6	6%
Sales mix technical grad		
Unit cash costs of sales FOB US\$/ to	onne <b>4,52</b> 1	20%
Sales ton	nes <b>5,91</b> 5	-24%
Revenue US\$	65.6 mil	143%
Net Loss After Tax US\$	<i>mil</i> 11.1	-60%
EBITDAIX US\$	<i>mil</i> 35.3	1005%

- Production volume and product mix in line with targets and customer requirements
- Cash cost of goods sold increased by 20% due to higher sales mix of battery grade than the PCP (sales mix: 63% versus 29%), higher labour and other costs arising from the devaluation of the Argentine Peso (7% versus inflation of at ~20%) and increased gas prices
- Sales volume down by 24% reflects a decision in 2020 to reduce excess inventory at a time of significant market softness and uncertainty arising from COVID-19
- Revenue of ~US\$66M from sales of 5,915 tonnes reflects a 143% increase in revenue from the PCP, largely due to average FOB pricing increasing by 218% to US\$11,095/t
- Gross profit margin of 68%
- H2 FY22 price guidance increased to US\$25,000/tonne, up 125% on H1 FY22

#### **Expansion – Olaroz Stage 2**

- Expansion of an additional 25ktpa is well advanced and first production is anticipated by H2 CY22, subject to any COVID-19 related delays
- By 31 December 2021, Stage 2 reached 68% completion, with 91% of pond construction activity completed and the soda ash and carbonation plants being 37% and 43% complete respectively
- Capital expenditure for Stage 2 at 31 December 2021 was ~US\$266M, excluding VAT and working capital
- Total capex estimate has been revised upwards by 10-15% to a total of US\$365-380M due to numerous factors including refinement of project scope, inflation and COVID-19 related costs

# Financial Results



# Strong pricing and operations deliver robust returns Financial Results – Profit &Loss

ALLKEM Consolidated Group	31-Dec-21	31-Dec-20
	US\$M	US\$M
Revenue	192.3	35.9
Gross profit	118.4	10.5
EBITDAIX	97.9	(6.3)
Depreciation and amortisation	(18.5)	(11.1)
EBITIX	79.4	(17.4)
Net finance costs	(9.9)	(12.3)
EBITX	69.5	(29.7)
Acquisition costs	(12.8)	-
Amortisation of customer contracts due to purchase price allocation	(13.4)	-
Inventory adjustment due to purchase price allocation	(12.4)	-
Other income – financial instruments	13.2	-
Foreign currency (losses)/gains	(1.1)	(0.5)
Share of loss of associates	(0.9)	(0.9)
Impairment/Net realisable value of inventories	<del>-</del>	5.0
Total profit/(loss) for the year before tax	42.1	(26.1)
Income tax expense	(29.1)	(3.0)
Total profit/(loss) for the year after tax	13.0	(29.1)
Profit/(loss) attributable to:		
Owners of the parent entity	16.7	(18.9)
·		•
Non-controlling interest	(3.7)	(10.2)
Total profit/(loss) for the year after tax	13.0	(29.1)

Consolidated results include Galaxy Resources Ltd performance for the period from acquisition date (25 August 2021).



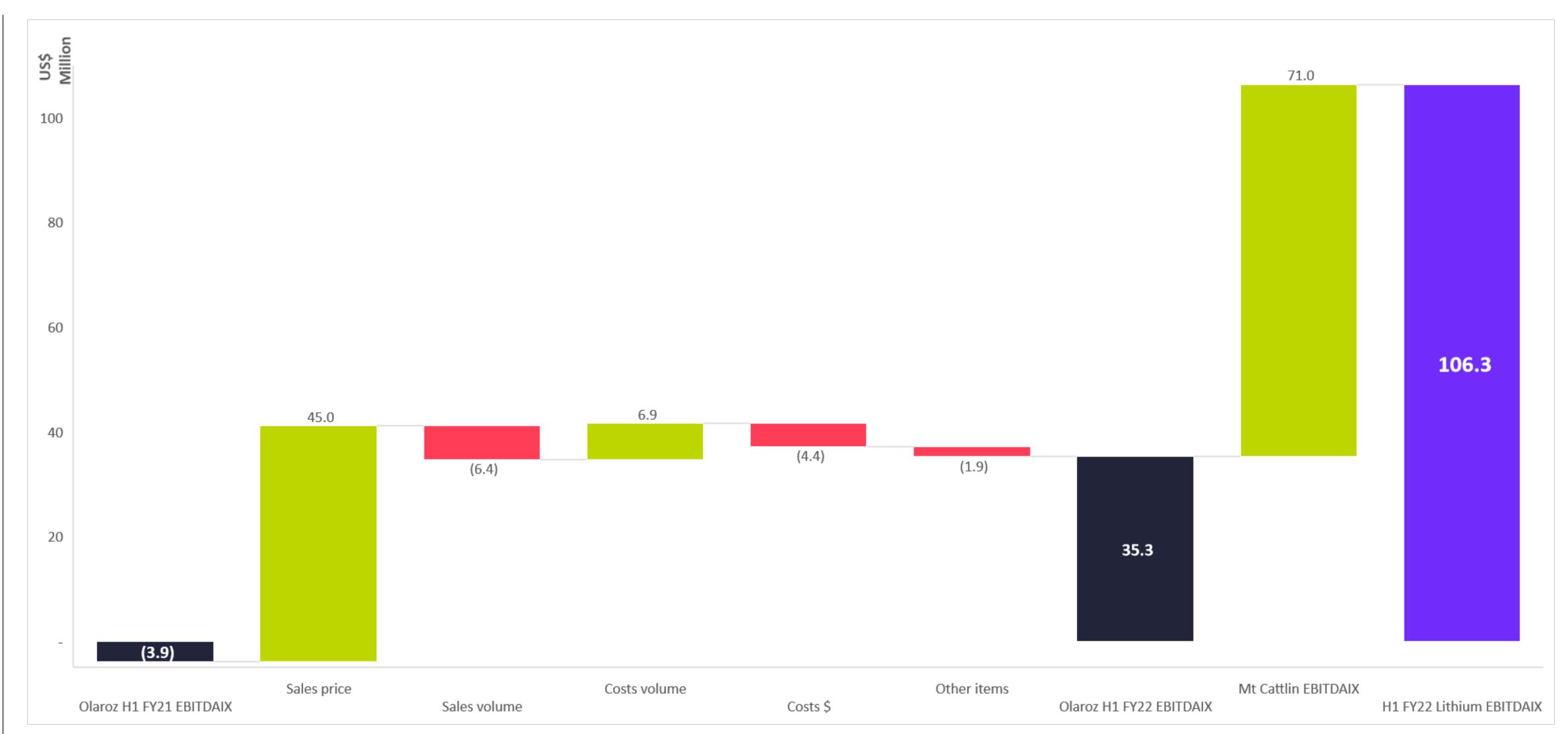
#### **Highlights**

- The group booked record revenue of ~US\$192M, gross
   profit of US\$118M and an EBITDAIX of US\$98M.
- Mt Cattlin revenue and EBITDAIX of ~\$115M and ~\$71M, respectively, for the approximately four months postmerger period.
- Olaroz revenue was ~\$66M with an average lithium carbonate FOB price of \$11,095/t in H1 FY22 compared to \$3,492/t in the PCP
- Profit before tax was US\$42.1M and Profit after tax
   US\$13.0M after having booked US\$38.6M pre-tax related to the purchase price allocation and acquisition costs related to the merger
- Net finance costs of \$9.9M are lower compared to the PCP mainly due to reduced interest rates and reduced Mizuho outstanding balance from the repayment of ~\$19M Stage 1 project loan between Dec 2020 to Dec 2021
- Higher depreciation and amortisation costs relative to H1
   FY21 due to consolidation of Mt Cattlin operation.

   Amortisation of customer contracts (\$13.4M) arising on purchase price allocation in line with underlying shipments is included in depreciation & amortisation in the statutory accounts but has been separately shown in this table
- Income tax expense has been impacted by foreign currency movements and hyperinflation in Argentina

## Higher pricing propels lithium EBITDAIX to \$106M

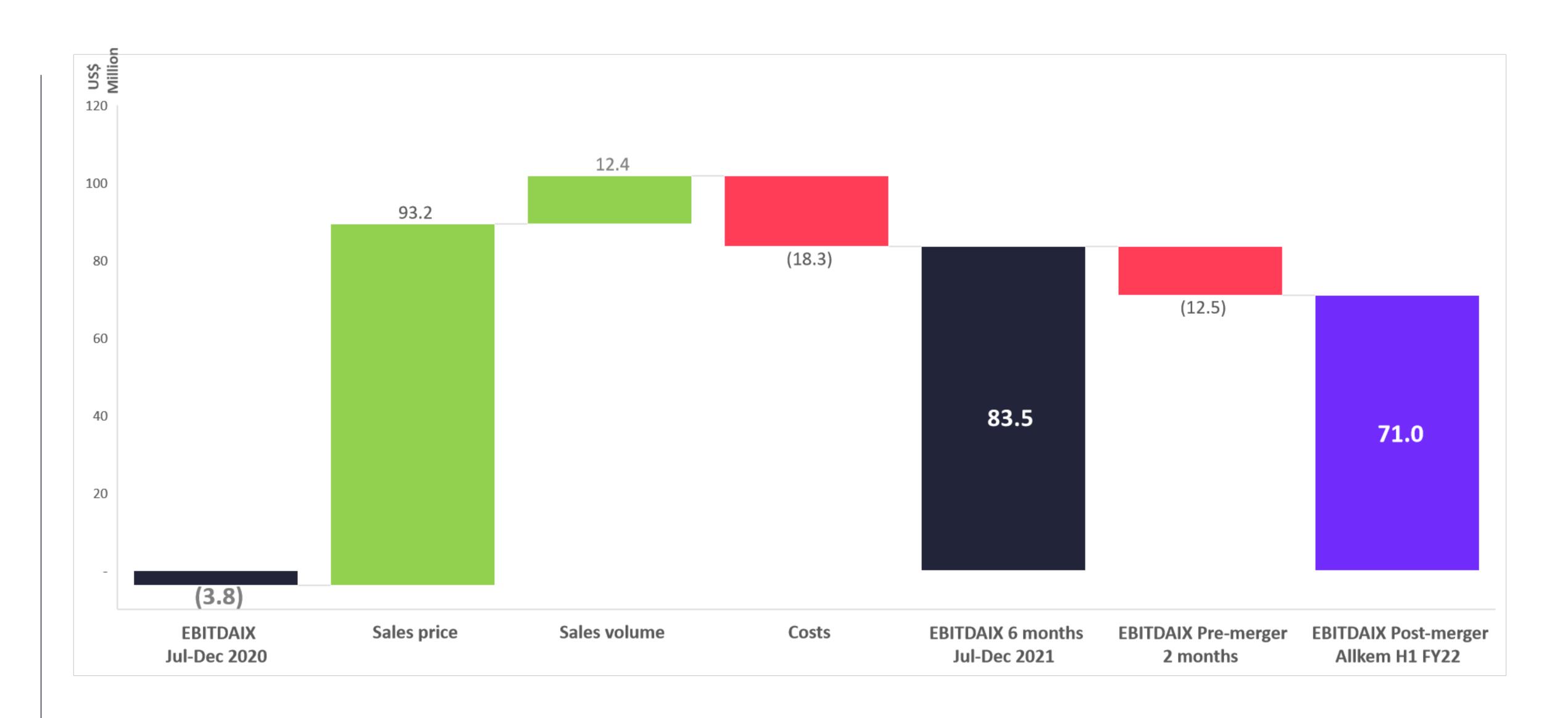




Note: excluding corporate costs.

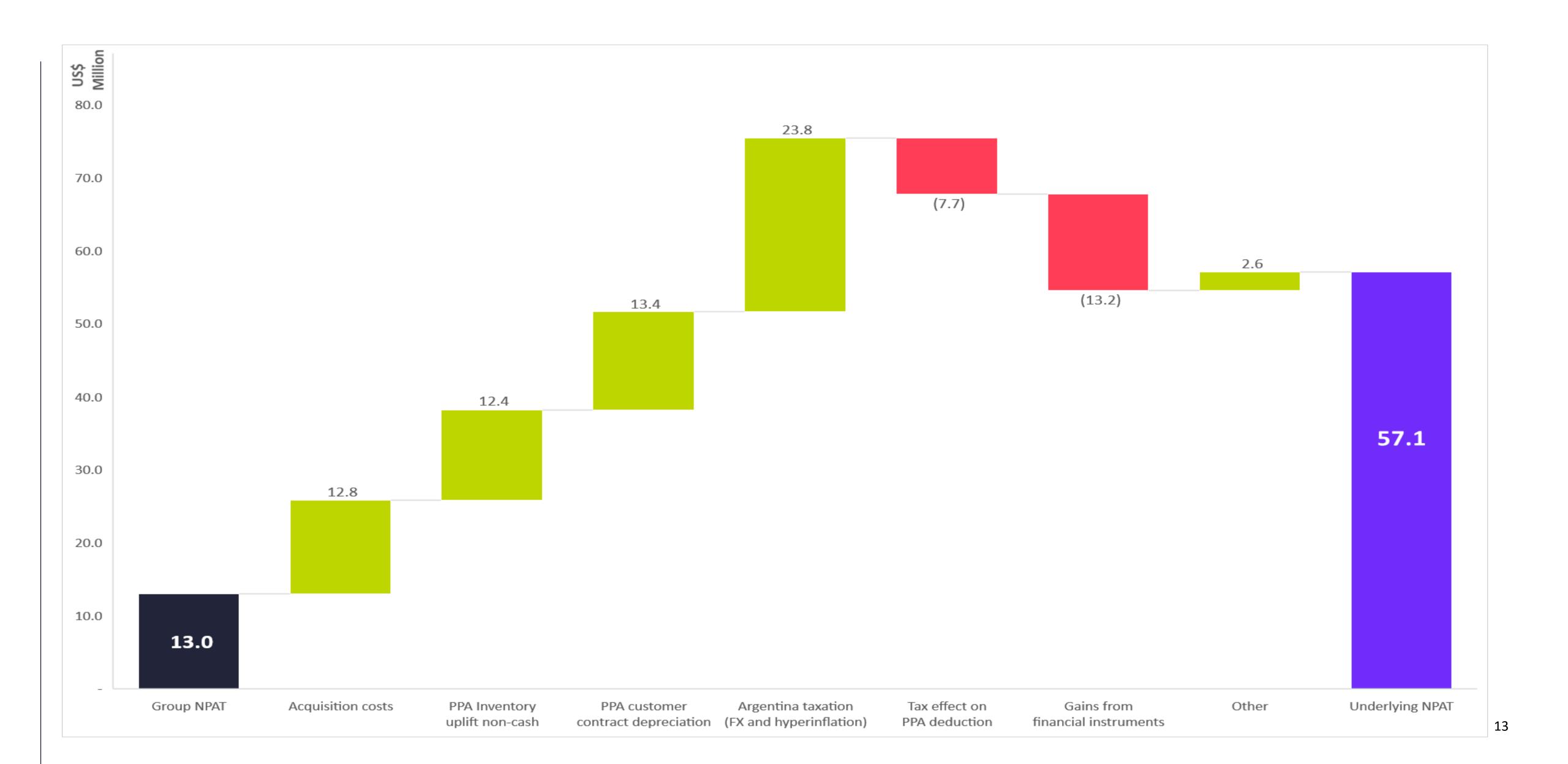
## Strong Mt Cattlin turnaround generates EBITDAIX of \$71M





## Underlying net profit of ~\$57M reflecting strong business performance





## Segment reporting



ALLKEM Consolidated Group - US\$M	Corporate	Borax	Olaroz	Mt Cattlin Sa	l De Vida	Eliminations	Total Group
Revenue	-	11.8	65.6	114.9	-		- 192.3
EBITDAIX	(9.1)	0.3	35.3	71.0	0.3		- 97.8
Depreciation and amortisation	(0.5)	-	(8.6)	(9.1)	(0.3)		- (18.5)
EBITIX	(9.6)	0.3	26.7	61.9	-		- 79.3
Net finance costs	7.5	<b>–</b>	(12.6)	(0.2)	(1.5)	(3.1	(9.9)
EBITX	(2.1)	0.3	14.1	61.7	(1.5)	(3.1	69.4
Acquisition costs	(12.8)	-	-	- -	-		- (12.8)
Amortisation of customer contracts due to purchase price allocation	-		-	(13.4)	-		- (13.4)
Inventory adjustment due to purchase price allocation	-		-	(12.4)	-		- (12.4)
Other income – financial instruments	2.4	0.8	-	- <u>-</u>	10.0		- 13.2
Foreign currency (losses)/gains	1.2	(0.7)	(1.4)	(0.2)	-	0.1	- (1.0)
Share of loss of associates	(0.9)	-	-	<b>-</b>	-		- (0.9)
Total profit/(loss) for the year before tax	(12.2)	0.4	12.7	35.7	8.5	(3.0	) 42.1
Income tax expense	5.4		(23.8)	(10.7)	-		- (29.1)
Total profit/(loss) for the year after tax	(6.8)	0.4	(11.1)	25.0	8.5	(3.0	) 13.0

Consolidated results include Galaxy Resources Ltd performance for the period from acquisition date (25 August 2021).

# Strong financial position to fund growth Financial Results – Balance sheet

21 Dec 21 20 Jun 21

ALLKEM Consolidated Group	31-Dec-21	30-Jun-21
	US\$'M	US\$'M
Cash and cash equivalents	449.8	258.3
Trade and other receivables	18.6	12.8
VAT receivables	13.2	10.7
Inventory	70.9	45.2
Prepayments	8.1	4.3
Total current assets	560.6	331.3
	22.0	24.0
Other receivables	33.8	21.9
Inventory	57.4	49.2
Financial assets at fair value	7.5	-
Other financial assets	16.4	16.4
Property, plant and equipment	2,372.0	851.0
Right of use assets	35.0	28.1
Goodwill	530.3	-
Intangible assets	0.6	0.7
Exploration, evaluation and development		
assets	412.9	45.9
Investment in associates	3.2	4.2
Other non-current assets	7.0	-
Total non-current assets	3,476.1	1,017.4
Total assets	4,036.7	1,348.7

ALLKEM Consolidated Group	31-Dec-21	30-Jun-21
	US\$'M	US\$'M
Trade and other payables	73.4	35.8
Derivative financial instruments	2.2	2.6
Loans and borrowings	32.5	34.7
Provisions	8.6	0.9
Lease liabilities	10.3	2.6
Taxes payable	5.3	-
Total current liabilities	132.3	76.6
Other payables	26.3	22.3
Derivative financial instruments	1.5	2.7
Loans and borrowings	297.2	266.3
Deferred tax liability	742.0	187.7
Provisions	44.7	34.9
Lease liabilities	36.9	33.1
Total non-current liabilities	1,148.6	547.0
Total liabilities	1,280.9	623.6

2,755.8

725.1

Net assets



#### Highlights

- Increase in cash of ~US\$210M from the merger with Galaxy plus cash generation from operations.
- Increase in inventory largely due to ~\$22M from Mt
   Cattlin and ~\$3.5M from Olaroz.
- Increase in Property, Plant and Equipment primarily due to Galaxy merger of ~\$1.5B at fair value whilst Olaroz Stage 2 spend increased by ~\$49M.
- Increase in exploration assets, financial assets at fair value and other non-current assets relate to Galaxy merger.
- Trade & other payables and provision increase mainly relate to Galaxy operations.
- Non-current loans and borrowings increased due to project finance for Stage 2, partially offset by Stage 1 project loan repayment.
- Goodwill of \$530M was recognised on Galaxy acquisition attributable to deferred tax liabilities on valuation uplifts in James Bay and Sal de Vida.
- Net deferred tax liability increase is mainly due to Galaxy valuation and taxation in Argentina.

# Operating cashflow growing with product prices Financial Results – Operating cashflow

ALLKEM Consolidated Group	H1 FY2022	H1 FY2021
	US\$'M	US\$'M
Cash flows from operating activities		
Receipts from customers	178.2	35.2
Payments to suppliers and employees	(115.2)	(38.5)
Olaroz Stage 1 VAT net paid	(2.4)	(4.3)
Interest (paid)/received	(3.0)	(6.5)
Net cash provided by (used in) operating activities	57.6	(14.1)
Cash flows from investing activities		
Cash acquired on business combination	209.5	_
Payments for exploration and evaluation	(6.3)	(0.3)
Purchase of property, plant and equipment	(93.3)	(38.7)
Olaroz Stage 2 and Sal de Vida VAT paid	(12.5)	(4.8)
Proceeds from financial instruments	13.2	(4.0)
Proceeds from sale of assets	1.5	2.4
Net cash provided by (used in) investing activities	112.1	(41.4)
		( === = 7
Cash flows from financing activities		
Proceeds from issue of shares, net transaction costs	(0.6)	119.4
Proceeds from borrowings	40.3	44.6
Repayment of borrowings	(10.7)	(18.1)
Proceeds from minority interest	1.9	-
Payments of lease liabilities	(6.3)	(0.9)
Net cash provided by financing activities	24.6	145.0
Net increase in cash and cash equivalents	194.3	89.5
Cash and cash equivalents, net of overdrafts, at the beginning of period	258.3	171.8
Effect of exchange rates on cash holdings in foreign currencies	(2.8)	1.0
Cash and cash equivalents, net of overdrafts, at the end of period	449.8	262.3



#### Highlights

- Cash generated from operations higher than H1 FY21 due to increased Olaroz selling prices and the inclusion of Mt Cattlin. Cash acquired on merger was ~\$210M.
- Increase in payment to suppliers and employees largely due to Galaxy merger.
- Net interest paid is lower mostly due to reduction in interest rates and reduced Mizuho outstanding balance due to the repayment of ~\$19M Stage 1 project loan between Dec 2020 to Dec 2021.
- Increase in payments for exploration, evaluation and development expenditure mostly relate to progress on feasibility study for James Bay.
- Purchase of property, plant and equipment mainly relates to development of Olaroz Stage 2 and Sal de Vida projects.
- Proceeds from borrowings represents mainly final drawdown of project financing for Olaroz Stage 2 and loans from SDJ shareholder TTC.
- Repayment of borrowings relates mainly to Mizuho project loan Stage 1 (~\$9.5M) in H1 FY22 and reduction of pre-export facilities.



## Naraha

Designed to convert Olaroz technical grade lithium carbonate into battery grade lithium hydroxide

#### Status update

- Construction is largely complete
- Mechanical completion is expected by March quarter 2022, with first production to follow in H1 CY22
- Site training and plant pre-commissioning works are underway
- Domestic demand for hydroxide to produce high end battery technology
- JV with Toyota Tsusho Corporation will strategically market the product



## 10ktpa

Annual production

## Battery grade Lithium hydroxide

Product quality

## Primary grade Lithium carbonate

Feedstock from Olaroz

LOCATIONNaraha, Japan

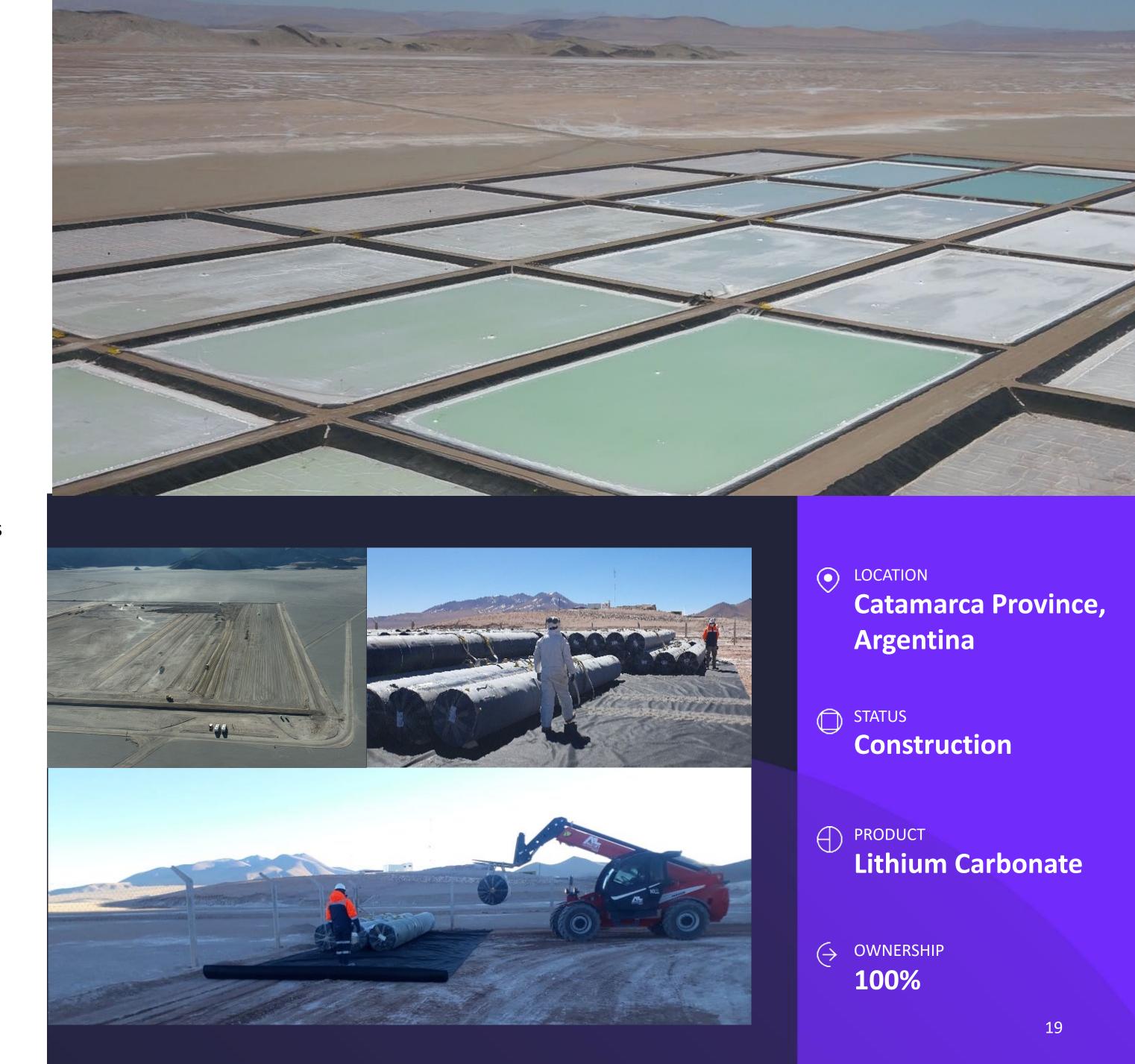
Construction

## Sal de Vida

# Tier 1 asset with superior brine chemistry that readily upgrades to battery grade

#### Status update

- Construction for Stage 1 commenced in January 2022
- All 9 production wells have been completed
- Onsite piloting successfully produced battery grade lithium
- Piloting activities to continue in CY22 to support operational readiness
- Commissioning and first production is expected by H2 CY23
- Studies are progressing to expand Stage 1 to 15ktpa



## **James Bay**

# Sustainable hard-rock operation utilising renewable, clean energy

#### Status update

- The 2021 Feasibility Study demonstrates lowest quartile development capital and operating costs
- Hydro-power will predominantly be utilised for the processing plant
- Basic engineering is advancing alongside the procurement process
- Resource and sterilisation drilling commenced in January 2022
- Strong working relations and regular engagement with all stakeholders
- Progression of the ESIA, IBA and regulatory approvals
- Targeting construction to commence in Q3 CY22 and commissioning in H1 CY24



321ktpa

Annual production

US\$286M

CAPEX

US\$1.42B<sup>1</sup>

NPV (pre-tax)

US\$ 333/t

**OPEX** 

1. Average selling price of 5.6% spodumene concentrate US\$1,001/t

Refer to Allkem's ASX announcement dated 21 December 2021 titled 'James Bay Feasibility Study Results' for further details including the material assumptions on which production capacity is based.

40.3Mt at 1.4% Li<sub>2</sub>O<sup>2</sup>
Mineral resource Estimate

37.2Mt at 1.3% Li<sub>2</sub>O<sup>2</sup>

Ore Reserve

## 19 years

Project Life

2. Refer to Appendix for Resource & Reserves Table and 'James Bay Feasibility Study Results' released on 21 December 2021

LOCATIONQuebec, Canada

STATUSDesign

PRODUCT
Spodumene
concentrate

20



## **Lithium Market Overview**

Global stimulus & policies to support decarbonisation via electrification

# EV demand forecast to increase by 43% from 2021-2022 and a CAGR of 24% over the coming decade

#### Canada

- Targeting 30% EV penetration by 2030
- Quebec targeting zero emissions by 2050

#### USA

- Rejoined UN Paris Agreement
- US\$2 trillion proposed
   Climate Change Plan
- Federal target of 50% EV sales share in 2030

#### Europe

- EU €2 trillion Green Recovery Deal
- Norway & Netherlands proposed to end ICE sales by 2035
- Attractive EV subsidies and tax penalties for ICE purchases

#### China

- US\$2 billion EV stimulus, subsidies extended to 2022
- Targeting 20% EV penetration rate
   by 2025
- Pledged to become carbon neutral by 2060

## Growth underpinned by a global transition to carbon neutrality

- Carbon emission targets and penalties
- Government regulations and subsidies
- Increasing range of EV models by OEM's
- EV's approaching price parity with ICE vehicles

# Significant build-out of capacity throughout the lithium-ion supply chain

Forecast global lithium-ion battery cell production capacity for 2031 rises to ~5,137 GWh in January 22, a ~60% increase over 12 months

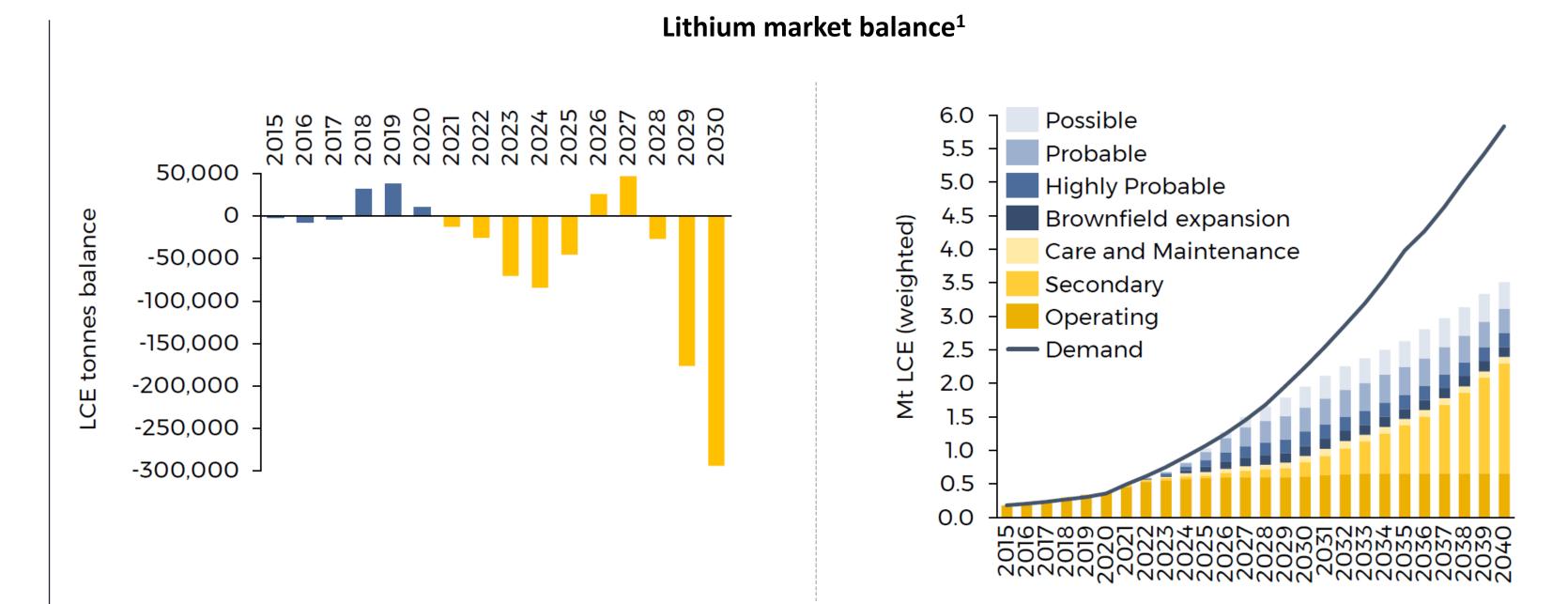
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## Pricing momentum and stability



## Underlying fundamentals support strong demand and robust pricing environment

- Demand outstrips tight market supply, placing upward pressure on raw material pricing
- Global weighted average prices for lithium carbonate and lithium hydroxide in January 2022 increased by 402% and 297% over 12 months, respectively.<sup>1</sup>
- Spodumene concentrate pricing increased by 478% in January 2022 over 12 months.<sup>1,2</sup>
- Current spot pricing exceeds forecasts and market researchers are forecasting long term price growth



<sup>1.</sup> Source and copyright: Benchmark Minerals: Lithium Forecast Q4 2021

<sup>2.</sup> FOB Australia, 6% Li<sub>2</sub>O

## Strong customer relations and long-term contracts

## Essential for business stability and long-term growth



- Customers showing strong preference to enter long term supply agreements to reduce exposure to the forecast supply deficit
- Sales volumes of lithium carbonate and spodumene concentrate throughout CY21 have been mostly to customers with supply contracts of 1–3 year tenure.
- During the reporting period, contracted prices were gradually adjusted upwards to reflect tightening market conditions across the supply chain

#### Mt Cattlin

- Volumes are contracted and price is negotiated quarterly on a cargo basis with reference to spot pricing for spodumene concentrate
- Average realised price increased by 126% during H1 FY22
- March quarter FY22, indicative pricing for 43.5kt
   of shipments is US\$2,500/t CIF for 6.0% Li<sub>2</sub>O
- Price momentum upwards continues, receiving offers for further shipments in line with current spot pricing

#### Olaroz

- Pricing for lithium carbonate contracts during H1 FY22 were approximately 1/3 linked to average monthly spot indices, 1/3 with annual fixed price agreed in late 2020, 1/3 linked to contract indices with quarterly adjustments
- Average realised price increased by 58% during H1
   FY22
- In 2022, annual contracts that previously had a fixed price will be linked to contract indices with an average of bi-monthly adjustments.
- Lithium carbonate prices for H2 FY22 are expected to be ~US\$25,000/t FOB, up ~125% on the H1 FY22 and up 25% from previous guidance

## Creating a major global lithium chemicals company

Unlocking value from our industry leading growth pipeline



- Merged entity has an unparalleled development profile
- Strong position to finance Sal de
   Vida and James Bay
- Industry supply/demand profile requires new development projects
- Customer demand exceeds production capacity



## **Key focus Areas 2022**

- Continue delivering sustainable operations at Mt Cattlin and Olaroz
- Completion and commissioning of Naraha and Olaroz Stage 2
- Advance Sal de Vida construction and James Bay Basic engineering





## **Taxation in Argentina**



- Argentinean Congress approved in June 2021 an increase in the corporate tax rate from 30% to 35% for fiscal years beginning from 1<sup>st</sup> January 2021 for corporate taxpayers with earnings above ~US\$ 500K (ARS 50M). Withholding tax on dividends remain fixed at 7%.
- Shareholders from Countries in which Argentina has a Double Taxation Agreement with, may access a lower withholding tax rate on dividend distributions if the receiver of the dividend has a certificate of fiscal residence
- Generally tax losses can be carried forward up to 5 years. Under the mining law this period can be extended based on the generation of taxable income and Fixed Assets useful life
- Export Tax: Fixed percentage of 4.5% on export sales revenue from SDJ and Borax from January 2021. Previous levy was calculated at ARS\$3 for each US\$1 (approximately 5% in FY20 and 3.9% during the six-month period from 1 July to 31 December 2020)
- Withholding taxes:
  - Withholding tax on interest is generally 35% but can be reduced to 15% in certain instances
  - Withholding tax on royalties and fees is 35%

## Notes to slides



- dmt is dry metric tonnes
- ktpa is thousands of tonnes per annum
- NCI is non-controlling interest
- YoY year-on-year
- tpa tonnes per annum

#### Notes:

- EBITDAIX is 'Earnings before interest, taxes, depreciation, amortisation, impairment, gains on financial instruments, foreign currency (losses)/gains, business combination acquisition costs, non-cash business combination adjustments, and share of associate losses'
- EBITIX is 'Earnings before interest, taxes, impairment, gains on financial instruments, foreign currency (losses)/gains, business combination acquisition costs, non-cash business combination adjustments, and share of associate losses'
- EBTIX is 'Earnings before taxes, gains on financial instruments, foreign currency (losses)/gains, business combination acquisition costs, non-cash business combination adjustments, and share of associate losses'
- 'underlying NPAT' and 'underlying EBITDAIX' being statutory profit being adjusted for certain one off and non-recurring items
- EBITDAIX, EBITIX, EBTIX, and Underlying Statutory profit are non-audited, non-IFRS measures
- NCI is the Non-Controlling Interest which represents the portion of equity ownership not attributable to Allkem Limited
- Allkem reports price as Olaroz FOB (Free On Board) which excludes insurance and freight charges included in CIF (Cost, Insurance, Freight) pricing. Therefore, the Company's reported prices are net of freight (shipping), insurance and sales commission, unless otherwise specified.
- Consolidated results include Galaxy Resources Ltd performance for the period from acquisition date (25 August 2021)

## Mineral Resource Estimate and Ore Reserve

## James Bay

## **Mineral Resource Estimate**

Category	Tonnage Mt	Grade % Li₂O	Contained Metal ('000) t Li <sub>2</sub> O
Indicated	40.30	1.40	564.2
Total	40.30	1.40	564.2

Note: The Mineral Resource Estimate is reported at a cut-off grade of 0.62% Li<sub>2</sub>O inside a conceptual pit shell optimised using spodumene concentrate price of USD 950/t containing 6.0% Li<sub>2</sub>O, metallurgical and process recovery of 70%, overall mining and processing costs of USD 55/t milled and overall pit slope of 50 degrees. All figures are rounded to reflect the relative accuracy of the estimates. Mineral resources are not mineral reserves and do not have demonstrated economic viability.

## **Ore Reserve**

Category	Ore tonnage (k dmt)	Lithium grade (%Li <sub>2</sub> O)	Contained Metal ('000) t Li <sub>2</sub> O
Proven	0	0	0
Probable	37,207	1.30	483.7
Proven + Probable	37,207	1.30	483.7

- 1. Effective date of the estimate is December 2021;
- 2. Mineral Reserves are estimated using the following long-term metal prices ( $Li_2O$  Conc = 950 USD/t  $Li_2O$  at 6.0%  $Li_2O$ ) and an exchange rate of CAD/US\$ 1.33;
- 3. A minimum mining width of 5 m was used;
- 4. Cut-off grade of 0.62% Li<sub>2</sub>O;
- 5. Bulk density of ore is variable, outlined in the geological block model and average 2.7 g/t;
- 6. The average strip ratio is 3.54:1;
- 7. The average mining dilution factor is 3.0% at 0.38% Li<sub>2</sub>O.



## **Competent Person Statement**



#### **James Bay**

Any information in this Presentation that relates to James Bay Mineral Resources and Ore Reserves is extracted from the ASX announcement, entitled "James Bay Lithium Project – Feasibility Study & Maiden Ore Reserve" dated 21 December 2021 which is available to view on allkem.co and www.asx.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Mineral Resources and Ore Reserves in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Any information in this Presentation relating to James Bay scientific or technical information, production targets or forecast financial information derived from a production target is extracted from the ASX Announcement entitled "James Bay Lithium Project – Feasibility Study & Maiden Ore Reserve" dated 21 December 2021 which is available to view on the Company's website and www.asx.com.au. The Company confirms that all the material assumptions underpinning the production target, and the forecast financial information derived from a production target, in the original market announcement continue to apply and have not materially changed.