



#### PRESENTATION TO PAYDIRT BATTERY MINERALS CONFERENCE

IGO Limited (ASX: IGO) (**IGO** or the **Company**) is pleased to attach a copy of the materials presented by Chief Operating Officer, Matt Dusci at the Paydirt Battery Minerals Conference which is being held in Perth, Western Australia this week.

The presentation is primarily focused on the Company's clean energy metals focused strategy and portfolio, as well as its approach to people, culture and sustainability.

This announcement is authorised for release to the ASX by Joanne McDonald, Company Secretary.

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## IGO Limited Paydirt Battery Minerals Conference 6 April 2022

### **Our Company, Our Strategy**

Our Purpose of Making a Difference has underpinned our strategy



Our winning aspiration is to be a globally relevant supplier of products that are critical to clean energy, to create a better planet.

Leading diversified clean energy metals company with Mkt Cap of \$11.0B<sup>1</sup>

Production across Li, Ni, Cu and Co clean energy metals

Development of integrated clean energy business with assets both upstream and downstream

Proudly Western Australian with all producing assets in WA

#### DIVERSE SUITE OF PRODUCTS

Made safely, ethically, sustainably and reliably



CARBON NEUTRAL

Committing to carbon neutrality

across our business

#### CUSTOMER FOCUSED

Connecting with end users through vertical integration



People who are bold, passionate, fearless and fun – a smarter, kinder, more innovative team

### Agenda



### Our Market

Our Journey

Our Operations



#### **Western Areas Scheme of Arrangement**

**Transaction Update** 

Proposed acquisition of Western Areas for A\$3.36 cash per share via a Board recommended Scheme of Arrangement<sup>1</sup> announced in December 2021

IGO's long term view on nickel price has not changed despite recent short term market volatility

IGO is currently reviewing Independent Experts Report and considering all options, however, there is no guarantee the Scheme will proceed

IGO is focused on delivering value for IGO shareholders and will remain disciplined in execution of M&A

1. Refer to IGO ASX Announcement titled, "IGO to acquire Western Areas via Board Recommended Scheme of Arrangement", released 16 December 2021.





## **Overview of Our Market**

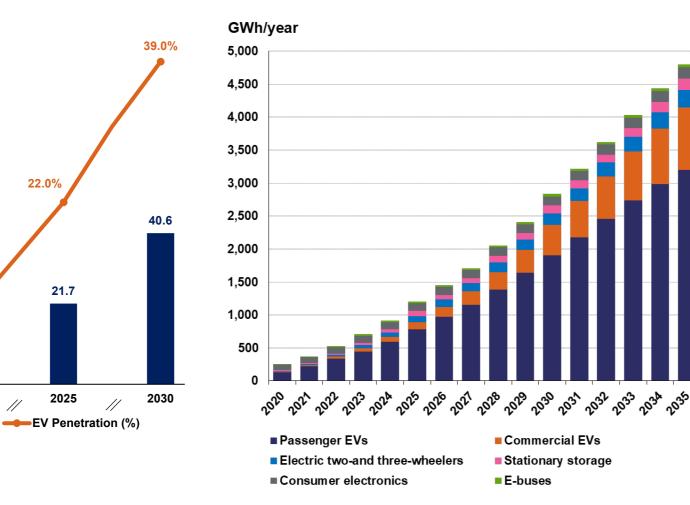
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#### **Our Market – EV Growth**

#### Accelerated Growth of the EV Market and Li-ion batteries



Global EV Production/Market Penetration<sup>1</sup>



Lithium-ion battery demand outlook<sup>2</sup>

EV growth continues to accelerate faster than forecasts

**EV** penetration rates are forecast to be 40-60% in 2030

**Raw materials and battery** cells - the limiting factor on electrification

EV battery supply needs to increase ~12x to reach 2030 **EV** forecasts

1. Source: IHS Markit, Global Production based Alternative Propulsion Forecast, December 2021

22.0%

21.7

2025

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2. Source: Bloomberg NEF - October 2021

4.6%

3.4

2020

EV Production (M)

0.7%

0.6

2015

8.3%

6.3

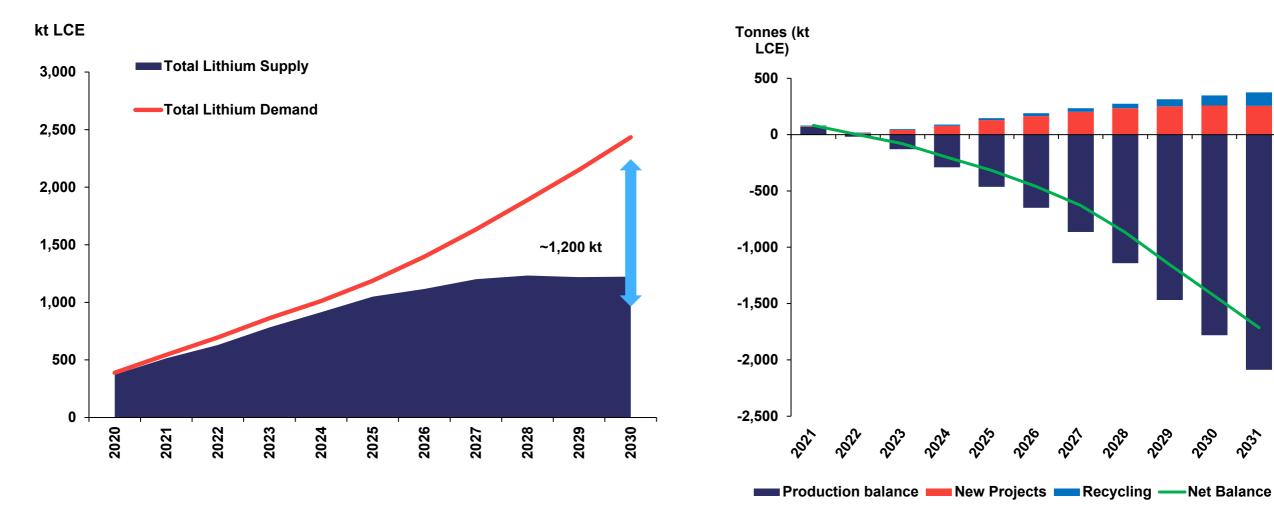
2021

### Lithium Market

#### Market deficits expected to support higher pricing



Lithium Market Balance<sup>1</sup> (kt LCE)



#### Forecast refined lithium battery-grade balance (kt LCE)<sup>2</sup>

1. Source: Barrenjoey – November 2021

2. Source: Wood Mackenzie Lithium Subscription – Lithium Outlook to 2031, 18th Edition. The data and Information provided by Wood Mackenzie should not be interpreted as advice and you should not rely on it for any purpose. You may not copy or use this data and Information except as expressly permitted by Wood Mackenzie in writing. To the fullest extent permitted by law, Wood Mackenzie accepts no responsibility for your use of this data and information except as specified in a written agreement you have entered into with Wood Mackenzie for the provision of such of such data and Information

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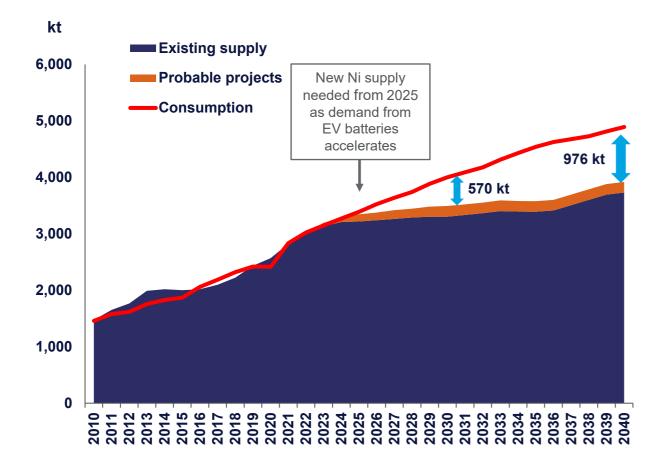
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### **Nickel Market**

#### Deficits forecast in the medium and long term



#### Nickel Market Balance<sup>1</sup>



Battery demand for nickel (in sulphate form) is the key driver

# EV battery industry to be dominated by high nickel chemistry (NCM 811)

Indonesia NPI production expanding but will carry higher carbon cost

## **Overview of Our Journey**

MAS

2020 INTAKE NICHOLAS igo

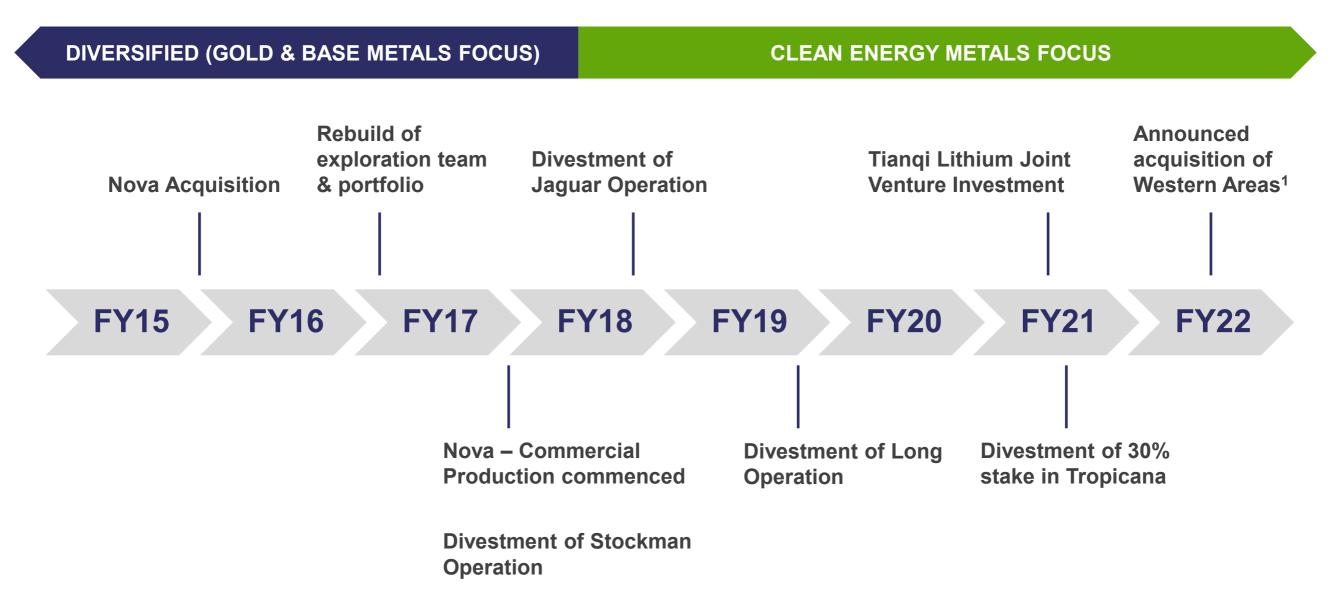
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### **Our Transformation Journey**

Aligned our portfolio to benefit from the clean energy revolution



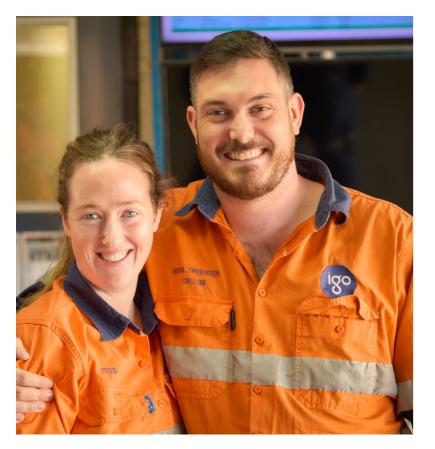


#### **Our Transformation**

We have transformed our business and the way we work



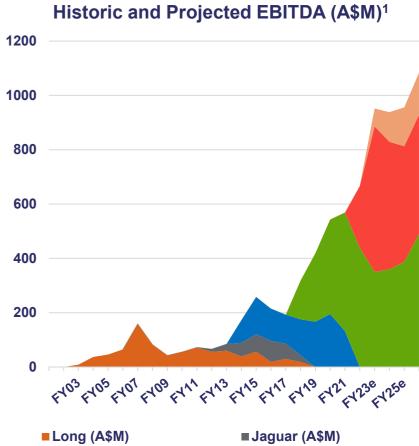
#### **Transformed Culture**



#### **Transformed ESG**



#### **Transformed Outlook**



Long (A\$M)
Tropicana (A\$M)
Greenbushes (A\$M)

Jaguar (A\$M)
Nova (A\$M)
Kwinana Hydroxide (A\$M)

#### **Our People & Culture**

Enduring focus on safety, enhancing wellbeing and strengthening our unique culture





Focused on attracting, developing and retaining our #1 asset

Strong gender diversity with 27% female participation

2022 Employee Engagement Survey Results

- ✓ Employee Engagement 81%
- ✓ Pride in working for IGO -89%

## **Our Sustainability Performance**

**DOW JONES** 

ACSI

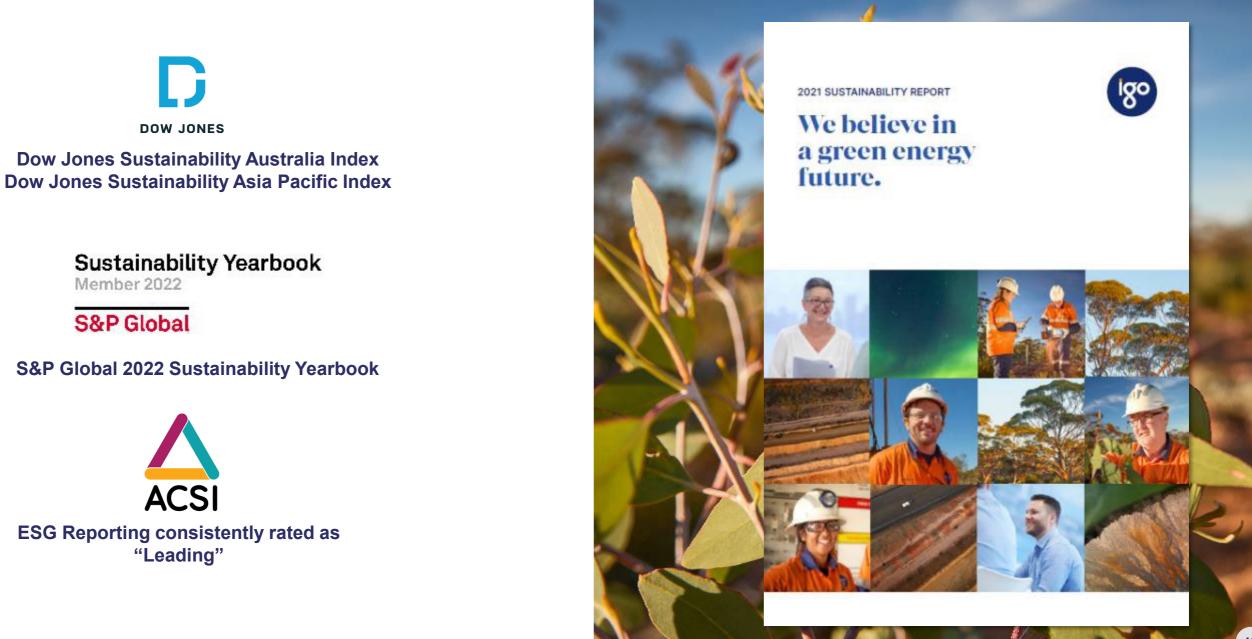
"Leading"

Member 2022

S&P Global

Global recognition for our leading sustainability performance and reporting





## **Our Journey on Climate Change**

#### Climate change – how fast everything is changing



Jun 2021 **IGO** Climate 2016 Change Roadmap Commenced and adoption of participation in the CDP internal carbon Climate Change Dec 2019 price Initiative Commissioned the Mar 2022 5.5MW Nova Solar Entering in first Farm displacing ~6,500t offset projects CO<sub>2</sub>Eq Late-2016 Mid-2018 generating 19,600 Sustainability reporting Stated our support for CO<sub>2</sub>Eq of credits recommendations of rated as sector 'Leading' by ACSI TCFD 2016 2017 2018 2019 2020 2021 2022 Sep 2020 Feb 2022 First Climate Commitment to Change Policy additional solar Mid-2019 issued aspiring Oct 2016 and battery system IGO acknowledges to be carbon IGO publishes our at Nova for **Climate Change and** neutral across Mid-2018 second Sustainable Engines-off support for the Paris Redefined IGO's all our Report (with no displacing ~8,500t Agreement in our operations by reference to climate Purpose CO<sub>2</sub>Eq Sustainability Report 2035 change)

#### Diversified (Gold + Base metals) Focused

#### **Clean Energy Metals Focused**

### Nova (Nickel-Copper-Cobalt) IGO:100%

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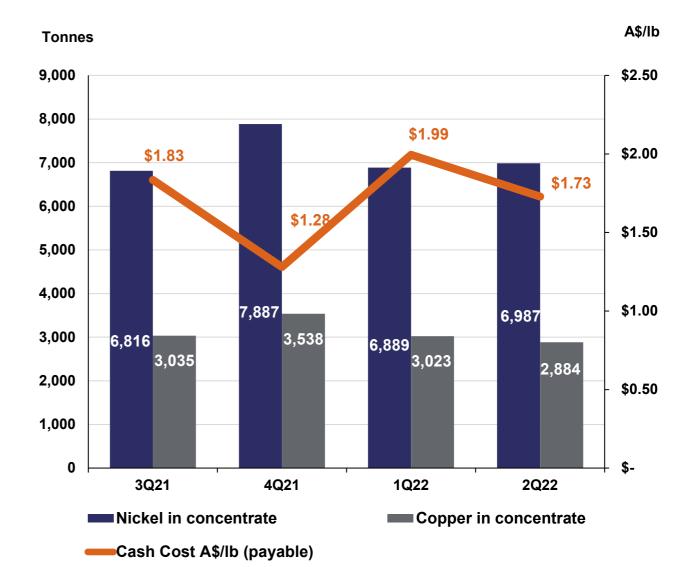
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### **Nova Nickel Operation**

#### **Consistent operational and financial performance**



**Nova Production & Cash Costs** 



FY22 production ahead of pro-rata production guidance, with a cash costs below guidance

Financial performance benefiting from higher nickel, copper and cobalt prices

1H22 EBITDA of A\$250M with an EBITDA margin of 66%

Assessing opportunities to extend mine life via Silver Knight development and exploration

## **Nova Growth - Silver Knight**

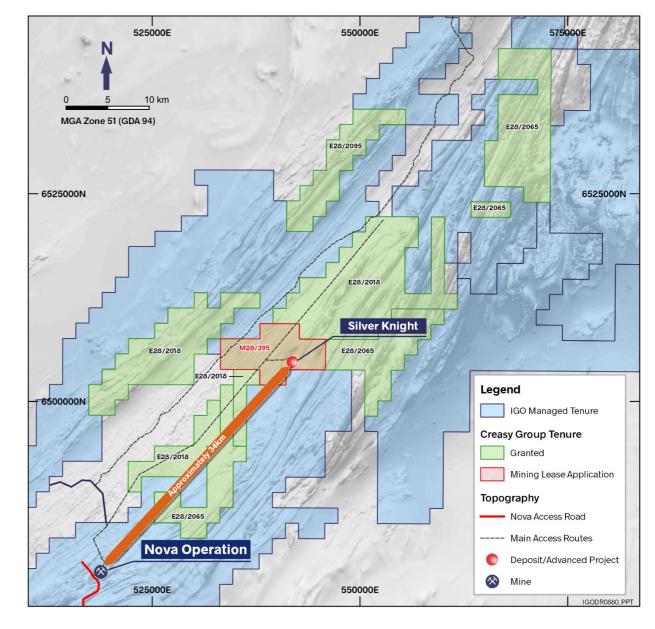
#### Near-Nova nickel sulphide development project



Secondary open-pit ore-source located ~35km from Nova

# Updated resource estimate expected during 2H22

Planning underway for exploration programs around Silver Knight



# Lithium Joint Venture (TLEA)

IGO:49% | Tianqi Lithium Corporation: 51%

Kwinana Lithium Hydroxide Refinery

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## **Lithium Joint Venture**

#### World class lithium portfolio with significant brownfields growth opportunities





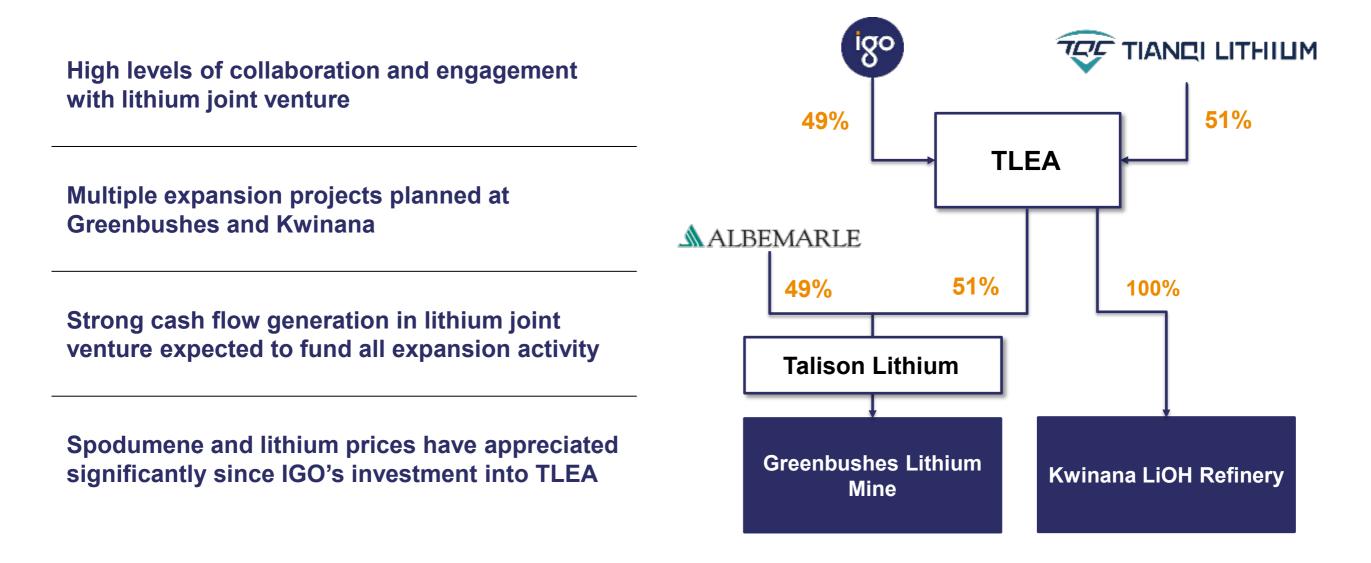


Greenbushes (IGO: 25%) World's lowest cost and highest grade hard rock lithium mine Kwinana (IGO:49%) Australia's first fully automated LiOH plant

## **Lithium Joint Venture**

Excellent progress toward building a globally relevant lithium business





### Greenbushes

#### Series of recent catalysts deliver increased value



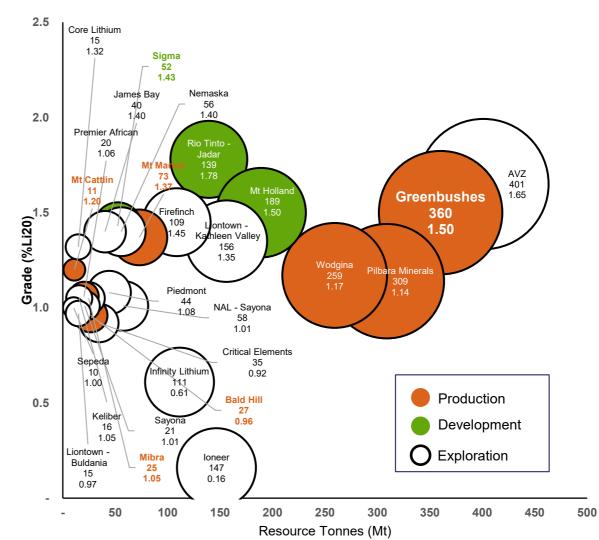
#### **Resource and Reserve Upgrade**

- 52% increase to Mineral Resource
- 20% increase in Ore Reserve with the inclusion of the Kapanga Deposit<sup>2</sup>

# Progress of key growth projects to support higher production rates

# Higher lithium prices drive 2H22 revenue price reset to US\$1,770/tonne FOB

#### **Global Hardrock Lithium Projects**<sup>1</sup>



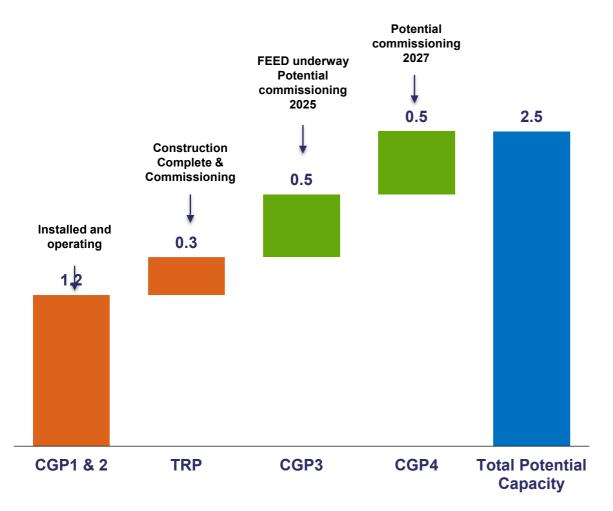
- 1. Data sourced from public filings. Resource estimates for projects other than Greenbushes may have been prepared using different estimation and reporting methodologies. IGO has not verified and accepts no responsibility for the accuracy of resource estimates other than its own. Readers should use appropriate caution in relying on this information
- 2. % increase is based on contained nominal 6% lithia (Li<sub>2</sub>O) comparing the most recent August 2021 Mineral Resource and Ore Reserve and the prior Mineral Resource and Ore Reserve as reported March 2018.

### Greenbushes

#### Expanding production capacity to meet strong global demand for lithium products



Spodumene concentrate capacity expansion (Mtpa) (All expansion activity funded internally)





1. CGP: Chemical Grade Plant

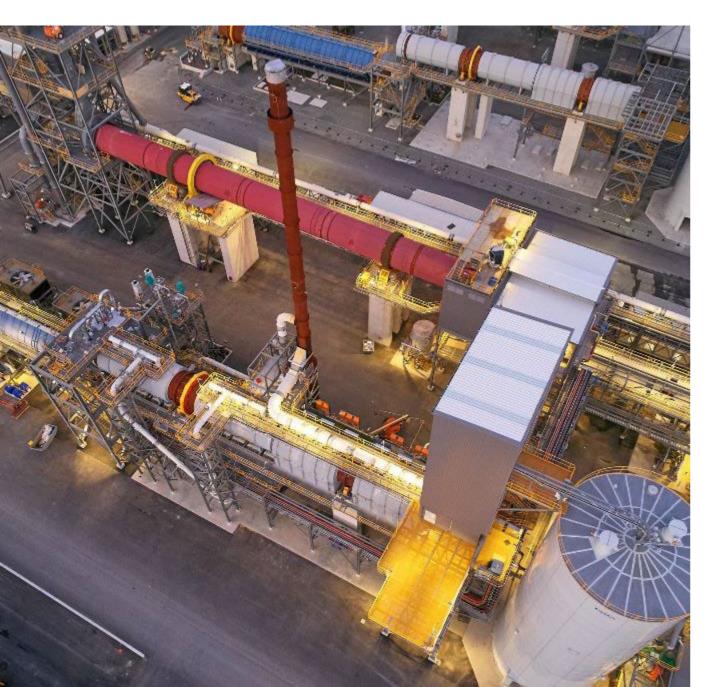
2. TGP: Technical Grade Plant

3. TRP: Tailings Retreatment Plant

## **Kwinana Lithium Hydroxide Refinery**

Australia's first fully automated lithium hydroxide refinery





First battery grade LiOH production expected from Train 1 soon

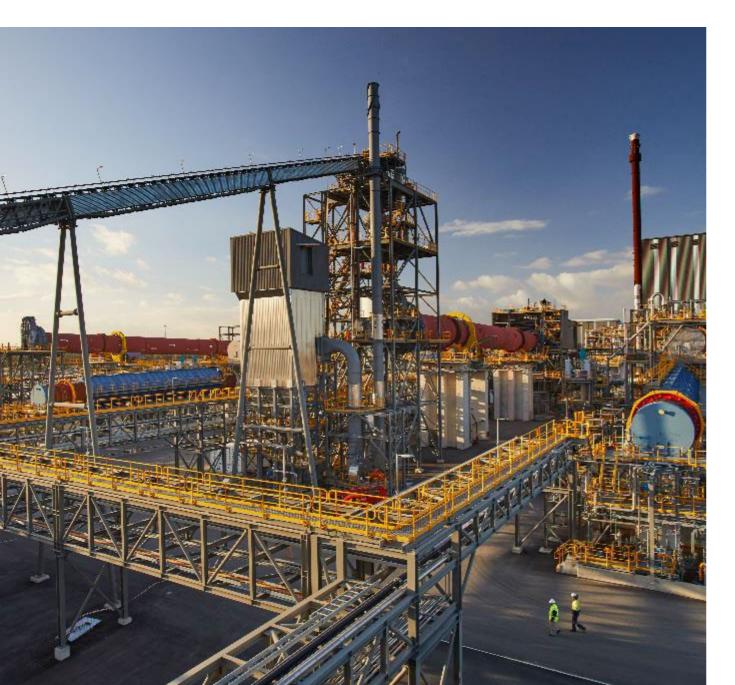
Qualification of Train I product with offtake customers expected to be completed during 1H23

Partial commitment to Train 2 construction with A\$18M committed to early work programs in 2H22

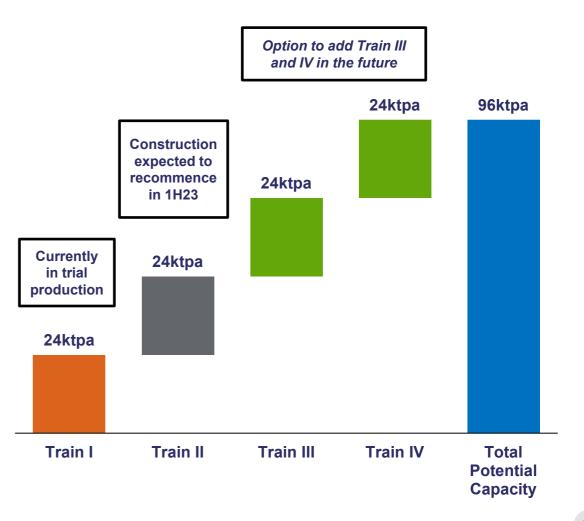
Full recommencement of Train 2 construction expected during 1H23

## **Kwinana Lithium Hydroxide Refinery**

Potential to expand refining capacity further via two additional trains



Lithium Hydroxide Production Capacity (ktpa) (100%)



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## **Lithium Joint Venture Catalysts**

Focused on delivery of significant brownfields growth opportunities



- CGP2 and TRP ramp up to full production
- CGP3 construction commencement (est 1H23)

**Kwinana Refinery** 

- Train 1 commercial production of battery grade lithium hydroxide
- Train 2 construction recommencement (est 1H23)

Leverage opportunities to enhance ESG credentials of both Greenbushes and Kwinana





# Exploration

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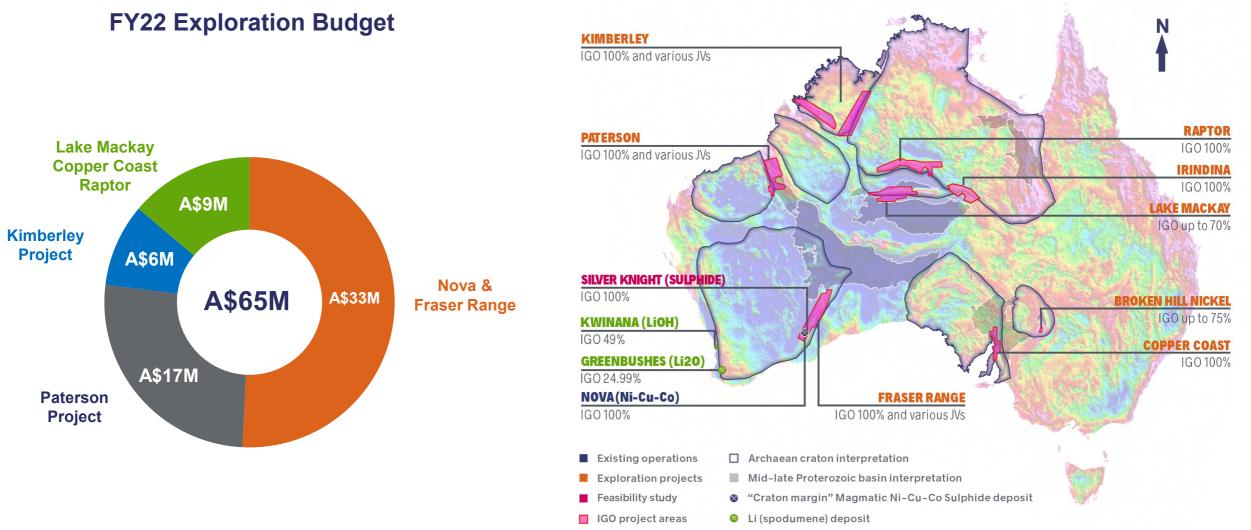
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### **Exploration Strategy**

#### Committed to investing in growth through discovery





Tianqi JV assets

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## **Concluding Remarks**

Well positioned to leverage from disruptive transition to clean energy

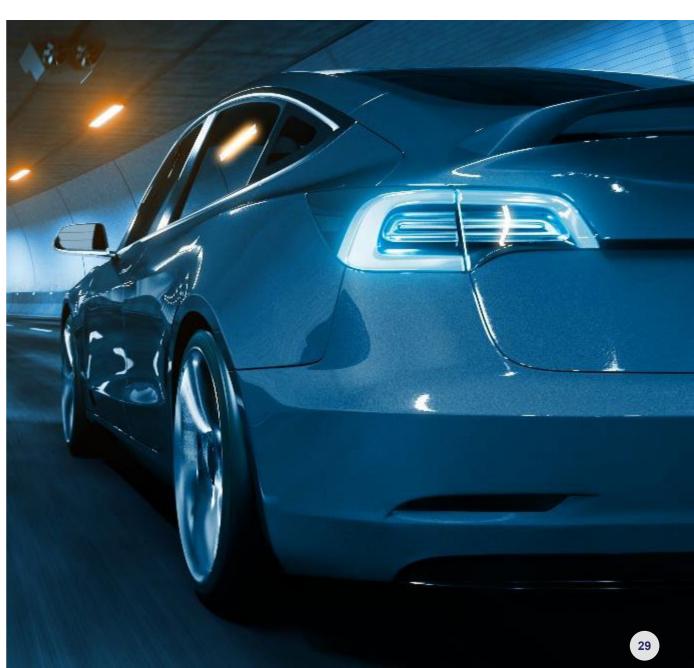
Purpose led strategic focus on clean energy metals

People centric business delivering a great culture

Sustainability embedded into the DNA of the business with proactive response to climate change

Portfolio of high-quality assets with exposure to nickel, copper, cobalt and lithium both upstream and downstream

Continued focus on growth through brownfields projects, exploration and disciplined M&A





### **Cautionary Statements & Disclaimer**

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- Quarterly Financial Results are unaudited. All currency amounts are in Australian Dollars unless otherwise noted. Net Cash is cash balance less outstanding debt, Net Debt is outstanding debt less cash balances.
- Nickel cash costs are reported inclusive of royalties and after by-product credits on a per unit of payable metal basis, unless otherwise stated. Lithium cash costs are reported as COGS (cash costs of goods sold) per tonne sold and is inclusive of ore mining costs, processing, general and administrative, selling & marketing, inventory movements and royalty expense.
- Underlying EBITDA is a non-IFRS measure and comprises net profit or loss after tax, adjusted to exclude income tax expense, finance costs, interest income, asset impairments, gain/loss
  on sale of subsidiary and Tropicana, redundancy and restructuring costs, depreciation and amortisation, once-off transaction costs, and foreign exchange and hedging gains/losses
  attributable to the acquisition of Tianqi.
- Free Cash Flow comprises Net Cash Flow from Operating Activities and Net Cash Flow from Investing Activities. Underlying adjustments exclude acquisition costs, proceeds from investment sales including Tropicana, and payments for investments and mineral interests.
- IGO has a 49% interest in Tianqi Lithium Energy Australia Pty Ltd (TLEA) and therefore, as a non-controlling shareholder, recognises its share of Net Profit After Tax of TLEA in its consolidated financials. As such, IGO has provided additional information on the operating, financial and expansion activities at both Greenbushes and the Kwinana Refinery which reflects IGO's understanding of those operating, financial and expansion activities based on information provided to IGO by TLEA.



We believe in a world where people power makes amazing things happen. Where technology opens up new horizons and clean energy makes the planet a better place for every generation to come.

We are bold, passionate, fearless and fun – a smarter, kinder, more innovative company. Our work is making fundamental changes to the way communities all over the world grow, prosper and stay sustainable.

Our teams are finding and producing the specialist metals that will make energy storage mobile, efficient and effective enough to make long-term improvements to the lifestyle of hundreds of millions of people across the globe. How? New battery storage technology is finally unleashing the full potential of renewable energy by allowing power produced from sun, wind and other sources to be stored and used when and where it's needed.

This technology will impact future generations in ways we cannot yet imagine, improving people's quality of life and changing the way we live.

We believe in a green energy future and by delivering the metals needed for new age batteries, we are making it happen.

#### This is the IGO Difference.