

The Australian Lithium Industry – Just Getting Started

Melbourne Mining Club
Thursday, 9 February 2023



**Pilbara
Minerals**

Dale Henderson
MANAGING DIRECTOR
/ CHIEF EXECUTIVE OFFICER

ASX 50

Listed company

\$14.9B

Market cap¹

\$2.2B

Cash balance²



**Pilbara
Minerals**

1. As at market close 31 January 2023.

2. Cash balance as at 31 December 2022.

Tier 1

asset with strong
growth potential

1 Mtpa

planned production
capacity¹

26+ year

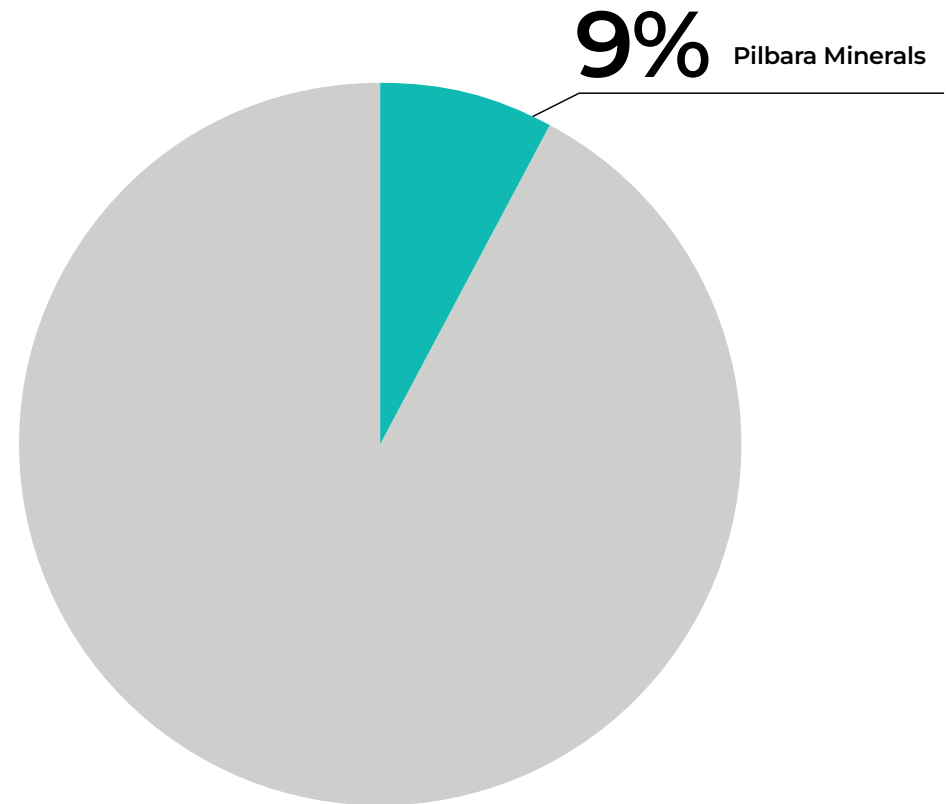
mine life¹



**Pilbara
Minerals**

1. Based on combined 6.3mtpa throughput operations consisting of 1.3mtpa Ngungaju process plant and the proposed Pilgan 5mtpa expanded process plant for the P1000 expansion project. Refer to ASX Announcement 6 October 2021.

Major lithium materials supplier



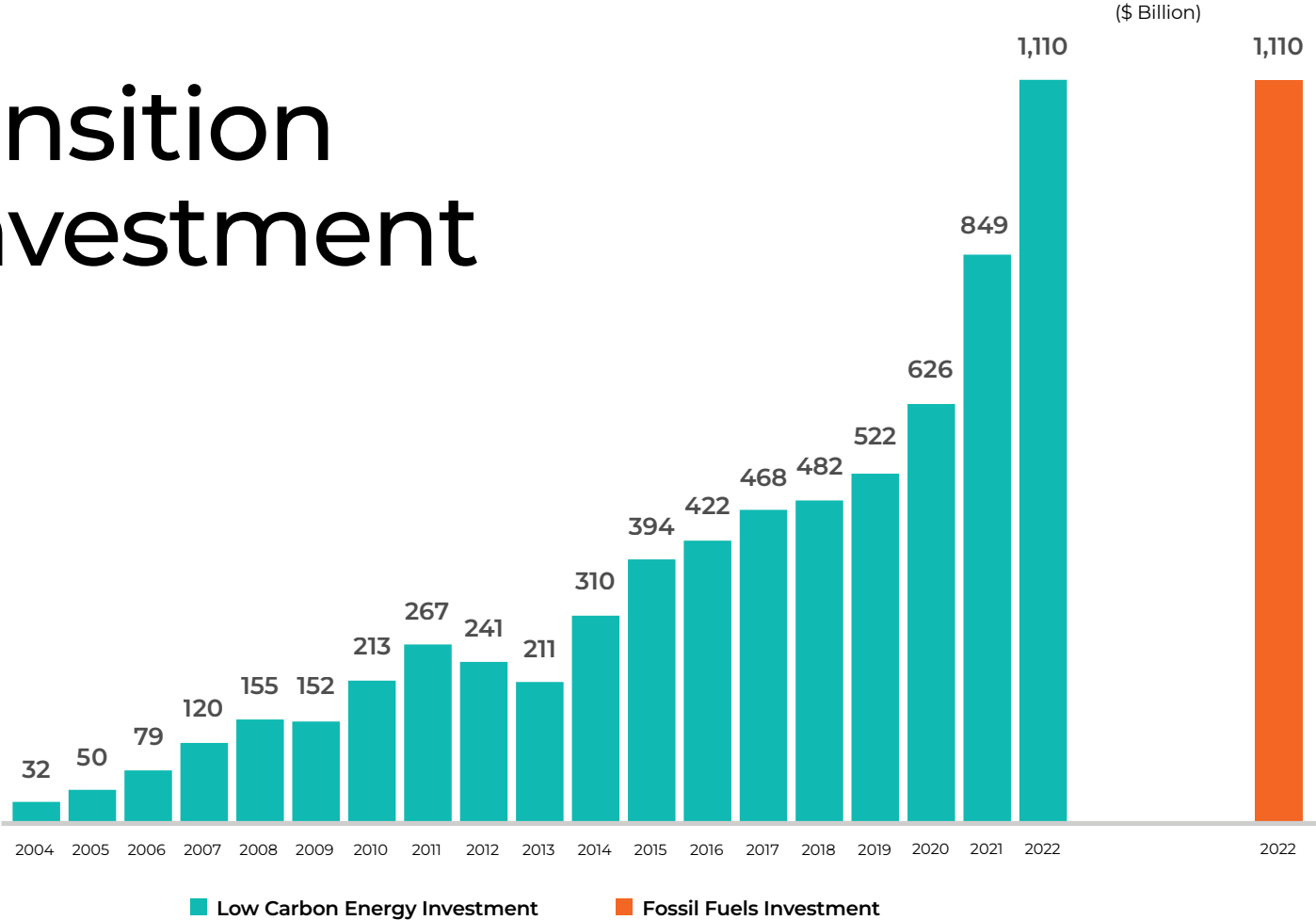
*Source: Prepared using data from BMI Lithium Forecast Report – Q4 2022.
Charts show market share based on estimated CY2023 global mined lithium output (Mineral & Brine, LCE), operational and highly probable (in construction).*

The energy transition – a seismic shift



**Pilbara
Minerals**

Energy transition – leap in investment



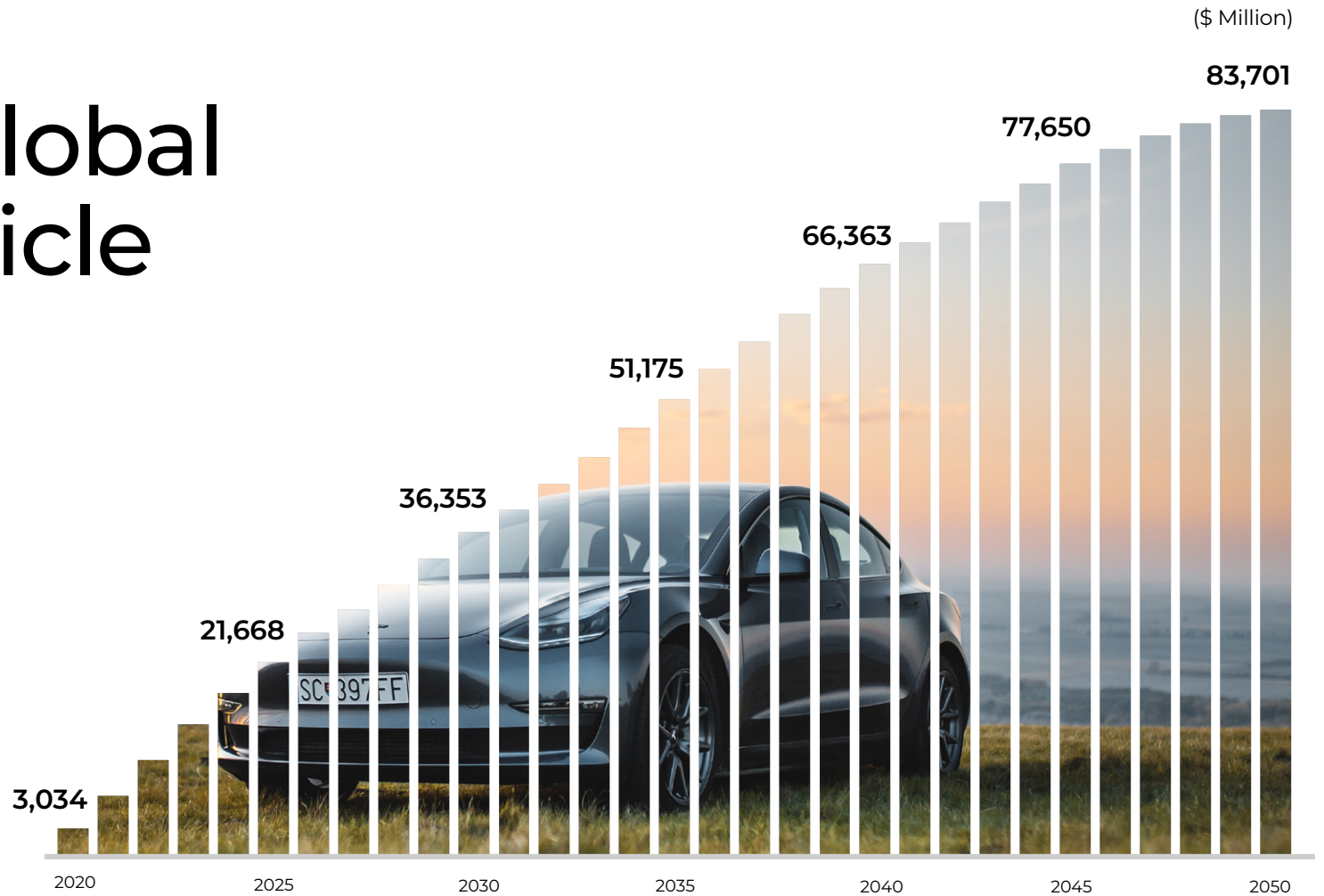
Source: BloombergNEF 26 January 2023. Low-carbon energy investment includes sustainable materials, electrified transport, electrified heat, hydrogen, CCS, energy storage, nuclear and renewable energy investment.

The lithium-ion battery



Pilbara
Minerals

Projected global electric vehicle sales



**Pilbara
Minerals**

Source: Wood MacKenzie, Global lithium investment horizon outlook (update) Q4 2022; December 2022.
EV includes BEVs and PHEVs.



**Li-ion battery
storage**

↑ **290%**

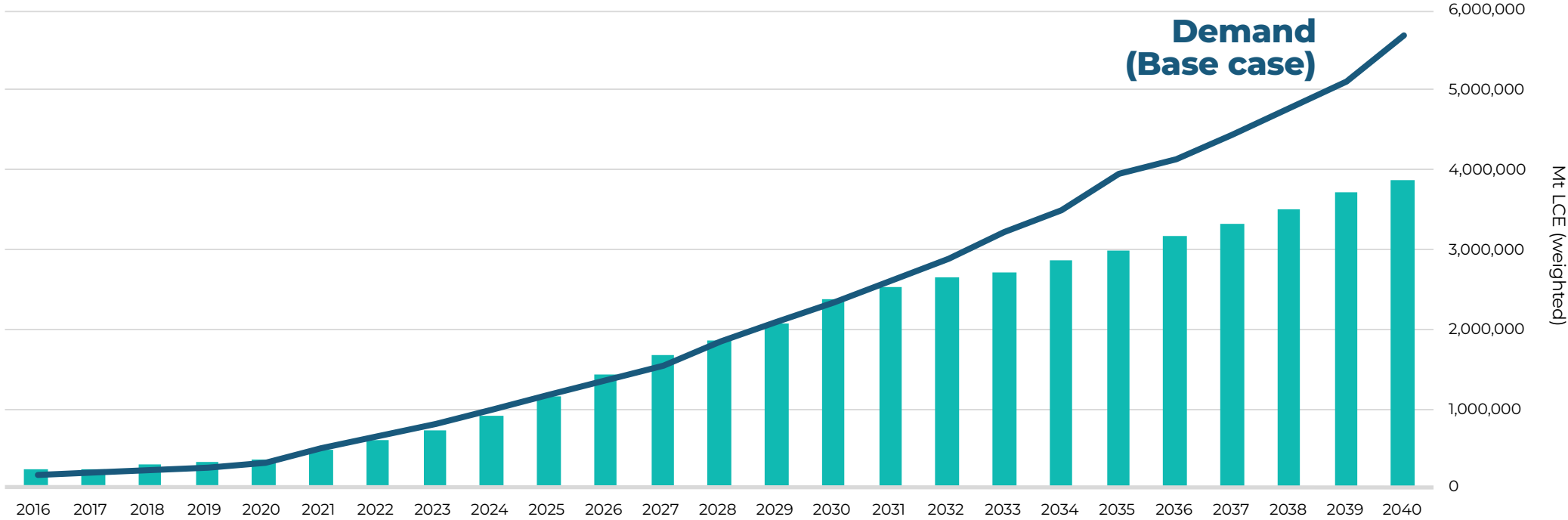
From 2021



**Pilbara
Minerals**

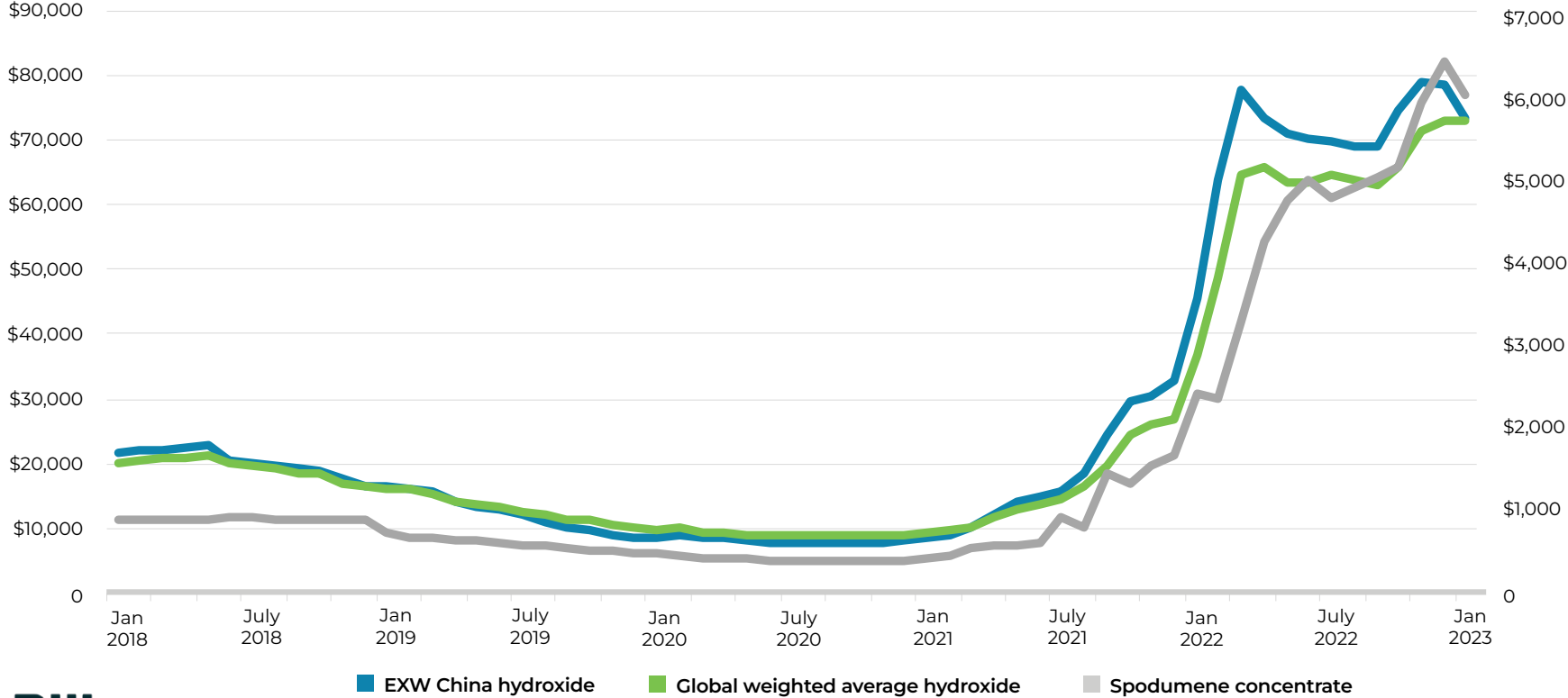
Source: Benchmark Mineral Intelligence December 2022.

Lithium deficit



Source: Benchmark Mineral Intelligence 2022.
Supply data includes Operational Supply, Secondary (Recycling | Global Supply), Care and Maintenance / Idled Capacity, Brownfield Expansion, Highly Probable, Probable, Possible.

Lithium pricing reflecting increased demand



Source: Benchmark Mineral Intelligence December 2022.

The Pilbara Minerals story



Pilbara
Minerals

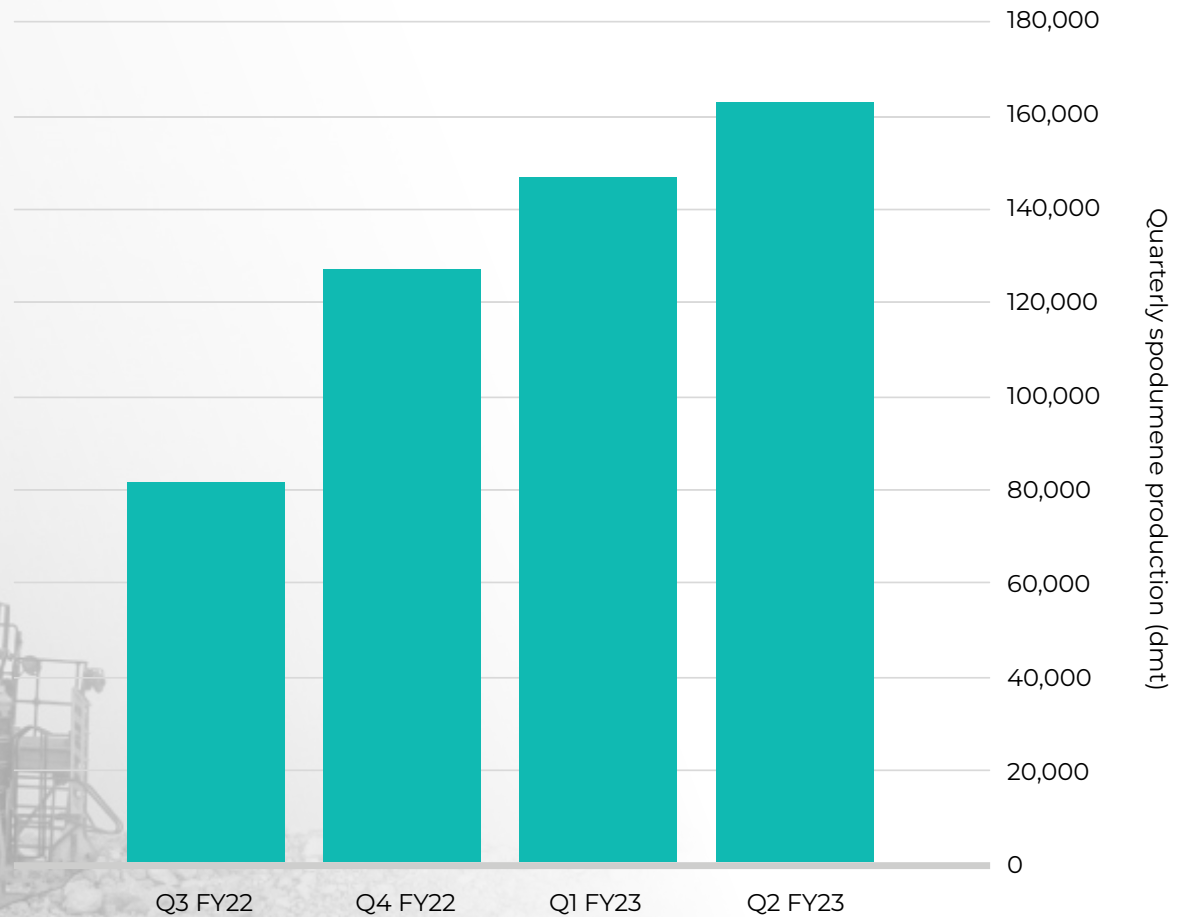


Pilgangoora Lithium-Tantalum Project
officially opened by the
Honourable Bill Johnston MLA
Minister for Mines and Petroleum
16 November 2018



**Pilbara
Minerals**

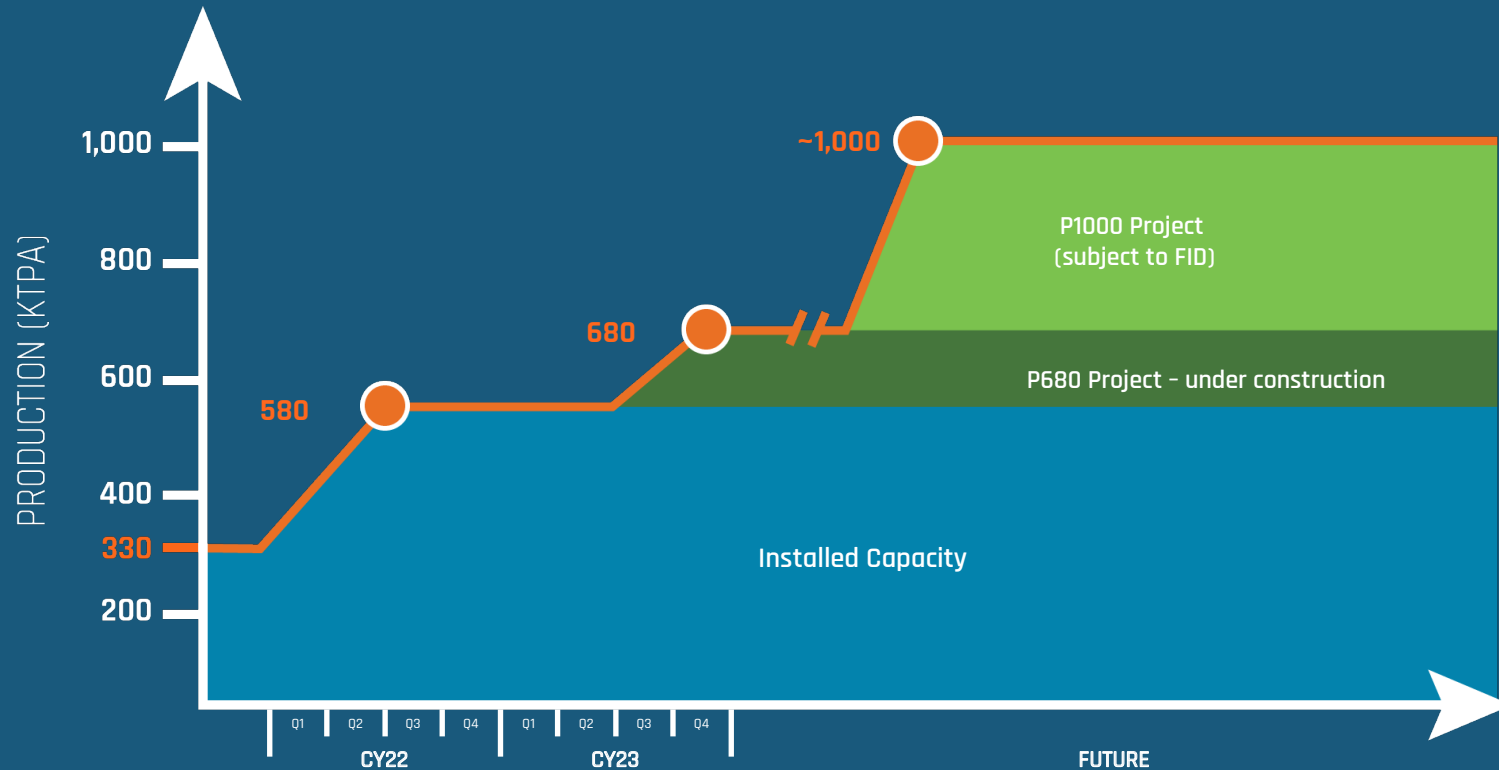
Production



**Pilbara
Minerals**

ASX Announcement: December 2022 Quarterly Report Presentation – 19 January 2023.

Expansion pathway to 1Mtpa



**Pilbara
Minerals**

Downstream lithium chemicals production



43,000tpa LHM facility under construction in Gwangyang, South Korea



Illustration of proposed 43ktpa LHM lithium hydroxide chemical facility in Gwangyang, South Korea



**Pilbara
Minerals**

Midstream lithium chemicals R&D



**Pilbara
Minerals**





**Pilbara
Minerals**

The opportunity for Australia



Pilbara
Minerals

Thank you

