# RESOURCES

An emerging high value critical minerals producer

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## **Executive Summary**

#### Strong Financial Performance

- +\$1.38bn NPV @ 7%
- Stress test proof
- Forecast annual EBITDA average \$207m/pa for +16yrs
- Project funding commitments advanced.

#### **Resources and Reserves**

- Significant resources with over 1.2 billion tonnes
- Reserves on track for release in early 2023
- Development of a pipeline of long-life projects.

#### Robust Mining and Process Strategy

- Simple and low risk dredging mine plan
- Well understood wet and dry processing knowledge.

#### **Transportation Logistics**

 Pit to Port logistics network secured with trucking and rail combination.

#### **Advanced Offtakes**

- Products well defined and market tested with flexible options
- Advanced product offtake strategy for delivery in mid-2025.

#### Pending Approvals

- Copi Environmental Approvals on track for Q4 2022
- Mining Approvals pending EIS submission
- Targeting construction commencement 2023 with accelerated program.

### RZ Resources – emerging high value critical minerals producer

A private company, with a select sophisticated investor group, zero debt, clean ownership structure and strong balance sheet, establishing listing strategy.

- Murray Basin portfolio of 14 exploration licences
- Total current JORC Resources >1.4bn tonnes and growing
- Flagship Copi JORC Resources >1.2bn tonnes and growing
- Drilling continues to define unconstrained Copi orebody boundaries and reduce drill hole spacing to reserves
- Development of a pipeline of long life projects with mineral processed through the company-owned Mineral Separation Plant in Brisbane, Queensland
- Exploration of Jaws and Gilligans underway with scoping study scheduled for Q1 2023
- World-class Board and Leadership team, with an experienced Operations team.



The Copi Mine Far-western New South Wales, Australia

## **Environment, Social & Governance**

- RZ Resources is committed to operating sustainably
- Established governance, policies and standards
- Ongoing Federal, State and Local Government engagement
- EIS to be submitted late 2022
- Copi Mine Environmental management programs underway:
  - Seedbank and greenhouse works
  - Super saline groundwater, soil, cultural, flora, fauna, noise, dust, social studies nearing completion
  - Studies for rehabilitation and landform design underway.
- Water approvals working with government for allocations of super saline and unusable water
- Power generation utilising renewal energy resources (solar and other)
- Land and landowner security 50% complete with remaining under negotiation
- Continued positive local community relations
- Strong support from customers and community.



At RZ Resources, we are committed to operating sustainably. We will seek to minimise our environmental footprint, ensure we provide a safe and inclusive space for our employees and host communities, and ensure that we adhere to the principles of good governance.



## **Copi Project Overview**

- Copi Mine internal base case financials indicate >\$1.38 billion NPV
- Copi JORC Resources >1.2bn tonnes and growing
- Copi drilling program highlights include:
  - Resource boundary not yet confirmed orebody is 4km wide and 22km long
  - Reserves conversion drilling ongoing.
- Strong US support for access to debt and equity funding
- Government approvals underway:
  - Environmental approvals underway
  - Definitive Feasibility Study targeting completion Q1 2023.
- Copi Mine Environmental Impact Study (EIS) in process for enlarged dredge mining underway
- An established transport and logistics network from the Copi Mine to the Mineral Separation Plant in Brisbane, Queensland
- Positive discussions have commenced with potential customers regarding product offtake agreements
- Production expected to commence in mid-2025.



## **Dredge Mining Method**

- Mine planning studies on the resource have generated an initial optimized mining plan
  - Dry mining ~4.6mBcm/pa (first 10 years)
  - Dredging ~56Mt/pa
  - Concentrator ~29Mt/pa
  - Average grade ~1.59%
  - Producing ~365Kt/pa of HMC.



CAPTION: Schematic section view - Not to scale.



## **Mineral Separation Plant**

- Mineral Separation Plant secure and application underway to reinstate environment operating licence
- Nearby bulk storage and export facilities at Pinkenba Wharf, Brisbane, Queensland
- Positive results from bulk metallurgical analysis conducted by IHC Mining
- Pinkenba laboratory now commissioned.



Product Samples





## **Marketing and Products**

- RZ Resources is developing a market profile and strategy to ensure products remain saleable through all stages of the business cycle (intent to have approx. 60% of forecasted revenue secured under offtake agreements)
- A focus on high-value critical minerals and rare earth elements
- Positive feedback received from potential offtake partners regarding product suitability
- Products and price relativity assumptions developed with guidance from TZMI (revenue modelling based on TZMI published pricing)
- Current market offtakes are expected to secure the final product deliveries to Europe, the USA, India, China, South-East Asia, Korea and Japan.

Product	Application	Volume (tonnes)
Chloride Ilmenite	Chloride pigment, or feedstock	180,000
Rutile	Titanium metal or welding applications	20,000
HiTi 90	Chloride pigment	30,000
Zircon (Ceramic Grade)	Opacifier or Flour	55,000
Zircon in Concentrate	Opacifier or Flour	40,000
Monazite / Xenotime	Rare Earth Oxides	5,000







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