

Lake Resources Kachi Project Phase One Definitive Feasibility Study (DFS)

First commercial production in 2027 will coincide with prolonged period of structural deficit for battery grade lithium chemicals

Investment Highlights (\$ USD)



- Post-tax **NPV of \$2.3 billion** and **IRR of 21%**
- Annual average **EBITDA of \$635 million**
- **\$1.38 billion of Capex¹**
- **\$6.05 / kg LCE of Opex**

Project Highlights



- Total resource estimated at **more than 10.6 Mt LCE**, a globally significant resource²
- **Defined and de-risked 25-year mine life** supported by maiden Ore Reserve statement
- Mine Plan represents **less than 12% of the Measured and Indicated Resource** over the 25-year Life of Mine (“LoM”) and clear pathway to further expansion

Process Design Highlights



- Demonstration plant campaigns from Oct 2022 to Nov 2023, **processed 5.2 million of litres of brine** and produced over 200,000 litres of lithium chloride eluate³
- Project has **produced in excess of 1,300kg of >99.5% purity lithium carbonate**
- Process plant is **conservatively designed for >75% lithium recovery**

1. Level of Capex required from final investment decision to plant performance testing. Refer to Lake's Kachi Project Phase One Definitive Feasibility Study Results announced on ASX on 19 December 2023 for more details.

2. Refer to ASX announcement dated 22 November 2023.

3. Refer to ASX announcement dated 26 September 2023.