

A UNIQUE AND ADVANCED URANIUM DEVELOPER

- Led by a well-credentialed uranium team, Peninsula is developing its advanced, low-capital, long-life ISR Lance Project towards production
- Successfully de-risked Lance through completion of key milestones, with a Final Investment Decision (FID) to be made in CY2022
- Importance of uranium as a clean energy source growing rapidly across the globe
- US producer-specific opportunities through Flagship project located in Wyoming, USA
- Strong balance sheet and generating significant cashflow from long-term uranium sales contracts



FLAGSHIP LANCE PROJECT

- Lance is one of the largest US uranium projects in size and scale - 53.6M lbs U₃O₈ JORC (2012) Resource
- Largest defined single project Resource among current US ISR Uranium mining companies and only Company authorised to use industry leading low pH ISR method
- 3Mlb pa production license and modern processing facilities
- Advanced nature of Lance and use of low pH ISR process, provides a rapid speed-to-market pathway, with a six-month timeline to production following FID
- Critical MU1A Field Demonstration completed seven months ahead of schedule and all key objectives achieved
- US\$3.4 million preparatory work program underway
- Updated Feasibility Study underway and due for completion 3Q 2022



THE IMPORTANCE OF URANIUM GROWING, PENINSULA WELL-POSITIONED

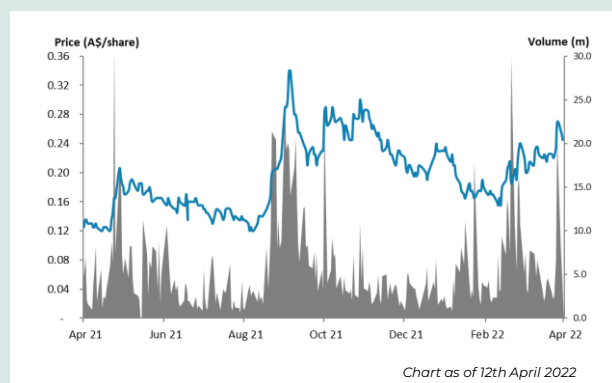
- Spot uranium price continues to strengthen. Currently US\$63.50/pound
- Macro and political developments playing a key role in highlighting the importance of nuclear in the green energy mix
- Growing role of financial players such as Sprott Physical Uranium Trust and Yellow Cake as active purchasers in the spot market
- Very positive outlook for US uranium market, with several Government actions either passed or progressing focused on securing domestic supply

A CRITICAL YEAR AHEAD, STRONG COMPETITIVE ADVANTAGES

- Strong pipeline of newsflow for 2022, highlighted by completion of Feasibility update and preparatory works program ahead of FID to restart Lance operation
- Idled US uranium producers with sufficiently de-risked assets may have a unique opportunity to capture emerging US demand in a Western-focused nuclear fuel market
- Other idled US uranium developers remain years away from achieving actual production-readiness with significant staffing, technical, regulatory, operational and market-related obstacles in the way of production
- Low capex requirement and short timeframe for production re-start at Lance Project



CORPORATE OVERVIEW



997m Shares on issue

A\$0.270 Share Price (08 April 2022)

A\$234m Market Capitalisation

Nil Term Debt

US\$9.3m Cash (as of 31 Dec 21)

Board of Directors

Mr John Harrison	Non-Executive Chairman
Mr Wayne Heili	Managing Director Chief Executive Officer
Mr Harrison Barker	Non-Executive Director
Mr Mark Wheatley	Non-Executive Director
Ms Rachel Rees	Non-Executive Director

Management Team

• Wayne Heili	• Ralph Knode
• Ron Chamberlain	• Brian Pile
• Jay Douthit	• David Hofeling
• Mike Griffin	• Mike Brost