

March 2025

# **KSB Project Scoping Study**

**ASX:LAT** 



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#### **Cautionary Statement**

The Scoping Study referred to in this presentation, details of which the Company announced to the ASX on 25 March 2025, has been undertaken to assess viability of developing the KSB Project by constructing an open cut mine and processing facility to produce gold doré and cobalt concentrate for export. The Scoping Study is a preliminary technical and economic study of the potential viability of the KSB Project. It is based on low level technical and economic assessments (+/-30% accuracy) that are not sufficient to support the estimation of ore reserves. Further exploration and evaluation work and appropriate studies are required before Latitude will be in a position to assess whether any ore reserves can be estimated or to provide any assurance of an economic development case.

The Scoping Study (including the production target and the forecast financial information derived from the production target) is based on the material assumptions set out in the Company's announcement to ASX on 25 March 2025 entitled "KSB Project Scoping Study confirms highly economic standalone gold-cobalt operation" (and refer also to the content of this presentation). These include assumptions about the availability of funding in the order of approximately US\$101m. While Latitude considers all of the material assumptions to be based on reasonable grounds, there is no certainty that they will prove to be correct or that the range of outcomes indicated by the Scoping Study will be achieved.

Investors should note that there is no certainty that Latitude will be able to raise that amount of funding when needed. It is also possible that such funding may only be available on terms that may be dilutive to or otherwise affect the value of Lat's existing shares. It is also possible that Lat could pursue other 'value realisation' strategies such as a sale, partial sale or joint venture of the KSB Project. If it does, this could materially reduce Lat's proportionate ownership of the KSB Project. While Latitude considers all of the material assumptions to be based on reasonable grounds, there is no certainty that they will prove to be correct or that the range of outcomes indicated by the Scoping Study will be achieved. Given the uncertainties involved, investors should not make any investment decisions based solely on the results of the Scoping Study. Lat confirms that all the material assumptions underpinning the production target and the forecast financial information derived from the production target, in the above ASX announcement of 25 March 2025 continue to apply and have not materially changed.

The Study includes existing JORC 2012 Code Indicated and Inferred Mineral Resources defined within the KSB Project, with the production target comprising Indicated (90%) and Inferred Mineral Resources (10%) over the life of mine. During the Scoping Study's 16-month payback period, the production target during this period is approximately 97% Indicated and 3% Inferred Mineral Resources. Accordingly, the Inferred Mineral Resource estimate does not feature as a significant proportion early in the planned life of mine and Lat believes the KSB Project's financial viability is not dependent on the inclusion of the Inferred Mineral Resources and that it has reasonable grounds for the production target. There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the production target itself will be realised. Latitude confirms that the KSB Project is financially viable when excluding Inferred Mineral Resources in the production schedule. Note that unless otherwise stated, all currency in this presentation is US dollars.



### Disclaimer

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#### **Exploration Results**

The information in this presentation that relates to Exploration Results was reported by the Company in previous announcements titled "Transformational Acquisition of Gold-Cobalt Development Projects (ASX:DCX)" – 4/4/2024, "Prospectus" – 26/4/2024, "High-grade gold intercept returned from KSB Project drilling" – 08/7/2024, "High-grade gold in historical drilling K8 Prospect Finland" – 14/08/2024, "KSB Project Development Pathway and Exploration update" – 29/11/2024, "Multi-phase exploration highlights potential scale and prospectivity of the KSB Project" – 20/12/2024 and "RC drilling to commence at KSB North Project" – 13/02/2025. The Competent Person for the Exploration Results in these announcements is [Toby Wellman]. The Company confirms that the form and content in which the Competent Person's findings are presented have not been materially modified from that announcement. Where reference is made to previous releases of Exploration Results in this presentation, the Company confirms that it is not aware of any new information or data that materially affects the information included in that announcement. The information in this report that relates to previous Exploration Results was prepared and first disclosed under the JORC Code 2012.



### **Disclaimer**

#### **Mineral Resource Estimate**

The information in this presentation that relates to the Mineral Resource Estimate was reported by the Company in the previous announcement titled "Transformational Acquisition of Gold-Cobalt Development Projects" and released to the ASX on 4 April 2024. The Competent Person for the Mineral Resource Estimate in that announcement was Brian Wolfe. The Company confirms that the form and content in which the Competent Person's findings are presented have not been materially modified from that announcement. The Company confirms that it is not aware of any new information or data that materially affects the information in that announcement and that all material assumptions and technical parameters underpinning the Mineral Resource Estimate in that announcement continue to apply and have not materially changed.

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#### **Reasonable Basis for Forward-Looking Statements**

No Ore Reserve has been declared. This presentation has been prepared in compliance with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the "JORC Code") and the ASX Listing Rules. All material assumptions on which the Scoping Study production target and projected financial information are based have been included in the Company's ASX announcement of 25 March 2025 entitled "KSB Project Scoping Study confirms highly economic standalone gold-cobalt operation" (and refer also to the content of this presentation). The Modifying Factors in the format specified by JORC Code (2012) Table 1, Section 4 is also contained in that 25 March 2025 announcement.

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This presentation has been authorised for release by the Latitude Board.



# **KSB Project Overview**

Developing a gold-cobalt project in northern Finland

- JORC Mineral Resource (K1, K2 and K3):
  - 650koz Au and 5,840t Co1
- High margin gold and cobalt Mineral Resource
- Significant landholding in the KSB region
- Third largest undeveloped cobalt resource in European Union<sup>2</sup>
- Excellent fundamentals in Finland to pursue pathway to Net Zero Carbon operations
- Finland is the largest refinery of cobalt outside of China<sup>3</sup>





# **Scoping Study Results Summary**

Highly economic standalone gold-cobalt operation with expansion potential

NPV<sub>8</sub> (After Tax) IRR (After Tax) **CAPEX AISC** US\$1,038/oz gold US\$310 million US\$101 million 74% US\$433 million at spot pricing IRR 98% at spot pricing **PAYBACK PERIOD LOM FREE CASH FLOW ANNUAL GOLD ANNUAL COBALT** (After Tax) **PRODUCTION PRODUCTION** US\$513 million 16 months 65,000oz 465 tonnes US\$699m at spot pricing 12 months at spot pricing

Assumptions: Base case gold price US\$2,500/oz, spot price US\$3,000/oz



# **Scoping Study Parameters**

### Mining

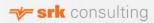
- Mineral Resource at Juomasuo (K1, K2 & K3)
- · K2 starter pit to optimise mine schedule
- 90% from Indicated category
- Examine scale potential for the project
- Explore potential to expand near mine Mineral Resource and KSB South project area

### **Processing**

- Test work developed to contemplate two products:
  - Gold Dore (gold bars)
  - · Cobalt concentrate

### Infrastructure

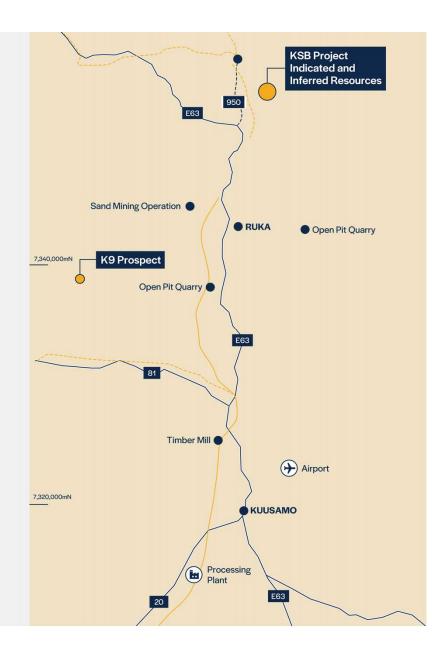
- Access via significant national sealed road network
- Connection to existing grid power
- Operational services from nearby towns









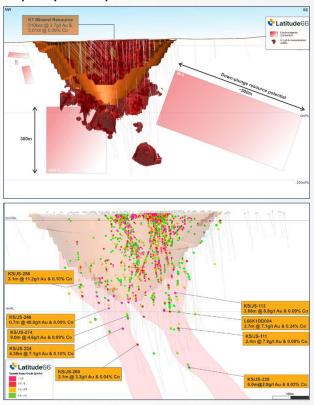




# **Upside opportunities**

Near mine exploration potential and low capital expansion

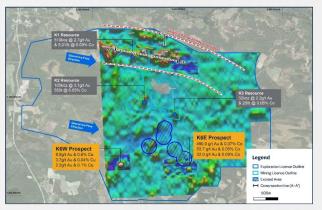
### K1 pit expansion potential



### **Low Capital Expansion**

Plant Capacity	Capital Cost US\$M
0.75Mtpa	101
1.00Mtpa	114
1.25Mtpa	127
1.50Mtpa	140

### Near mine K6E & K6W Prospects

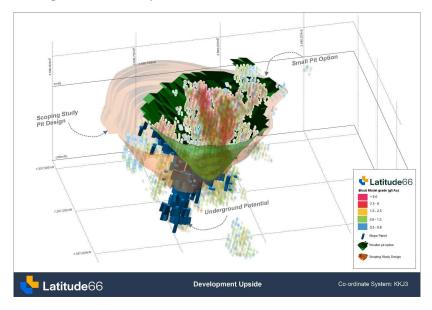




# **Upside opportunities**

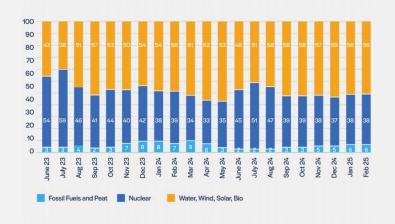
PFS to evaluate project optimisation

#### **Underground trade-off potential**



### Low carbon emissions Accessing established non-fossil fuel power network

#### **Finnish Power Generation by Source**



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High level of confidence

Over 85% of Mineral Resource in Indicated category



90% of mine schedule from Indicated category

### KSB gold mineral resource estimate\*

Deposit	Category	Tonnage (kt)	Au (g/t)	Co (%)	Au (oz)	Co(t)
К1	Indicated	4,600	2.9	0.10	430,000	4,440
	Inferred	1,200	2.1	0.05	80,000	570
	SUB-TOTAL	5,800	2.7	0.09	510,000	5,010
K2	Indicated	960	3.2	0.05	100,000	500
	Inferred	90	1.7	0.05	5,000	50
	SUB-TOTAL	1,050	3.1	0.05	105,000	550
кз	Indicated	340	2.2	0.06	24,000	210
	Inferred	120	2	0.06	8,000	70
	SUB-TOTAL	450	2.2	0.06	32,000	280
GRAND TOT	AL	7,300	2.7	0.08	650,000	5,840



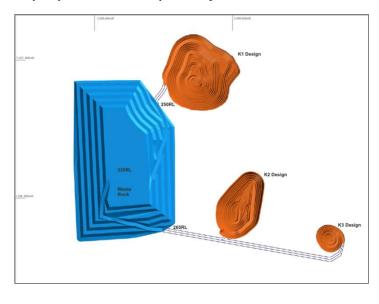


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<sup>\*</sup> Refer to Prospectus announced by DCX on 26/4/2024

# Mine Plan

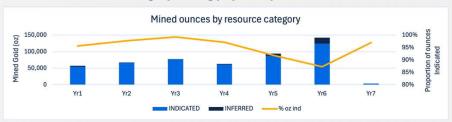
### 3 open pits within close proximity



#### Starter pit at K2



### 97% from Indicated category during payback period



### Strip ratio 11.4:1 LOM average



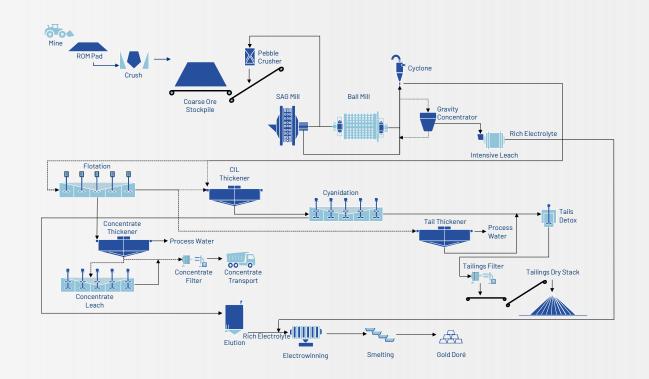


# **Processing Plant**

Conventional flow sheet with high recoveries

Recoveries:
Gold 93% & Cobalt
Concentrate 70%

Proposed location on leased Kuusamo municipality land





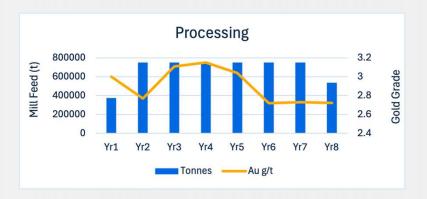
# **Mineral Processing**

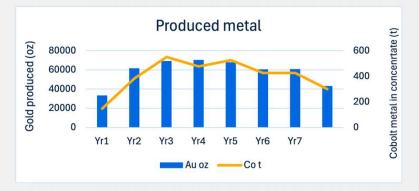
High gravity recovery

Free milling conventional CIL operation

Simple flotation to recover cobalt concentrate

Gold Recovery	K1 Domain 2	K1 Domain 3	K2
Gravity	53.8%	58.1%	66.6%
Direct Cyanidation	94.1%	89.2%	92.0%
Gravity + Cyanidation	94.7%	92.1%	94.6%







# **CAPEX & OPEX**

### Low capex and opex provide a high-margin operation

Item	Cost (USD)	Source	
Contractor Mob and pre strip	1.9	Contactor Estimate	
Process Plant	87.5	Como Estimate	
Tails Dam	3.1	Como Estimate	
Stacker conveyor	2.3	Benchmarked projects	
Roads	1.5	Upgrade costs of 5km of road	
Mining Infrastructure	4.1	Benchmarked projects	
Total	100.5		

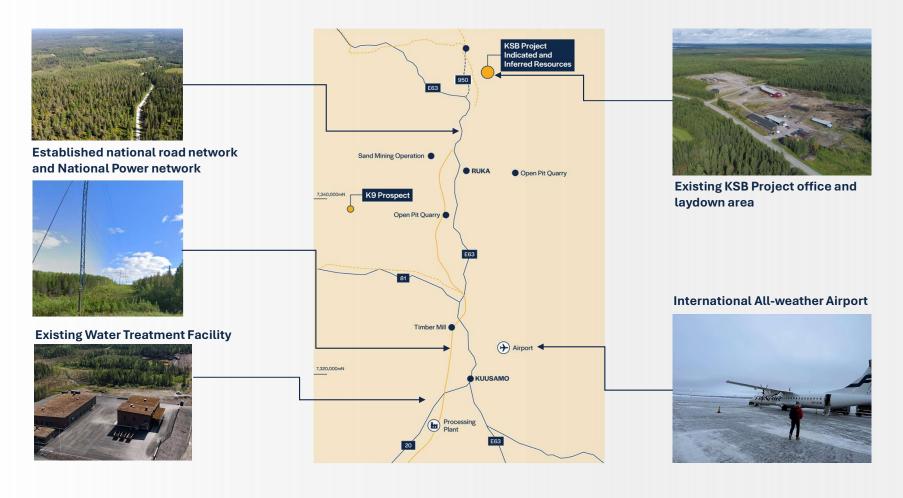
→ Approx. 16-month payback

Costs	Measure	Unit	Base Case
	Mining Costs (all tonnes)	US\$/t milled	3.75
Onevetina	Road transport costs	US\$/t milled	7.18
Operating	Processing costs	US\$/t milled	24.95
General and administration US\$/t milled		US\$/t milled	6.10
Total		US\$/t milled	41.98

→ AISC: US\$1,036/oz gold



# **Regional Infrastructure**





# **Processing Plant location in Kuusamo**

### **Location Benefits**

- Permitting
- Enhanced environmental outcomes
- · Access to national electricity grid
- Access to water treatment facility
- Skilled labour within close proximity





# **Cash Flow**





# Outlook

2025 Catalyst

### **Finland**

### **KSB**

- 1. Drilling for resource extension
- 2. Environmental Permitting
- 3. Partnerships (offtake/strategic partners)

### **PSB**

- 1. EM survey
- 2. Drilling

## Australia

### **Edjudina**

- 1. Aircore drilling underway
- 2. Follow up RC drill program

### **Greater Duchess JV (Carnaby)**

1. Value realisation



# **Highly Economic Gold-Cobalt Development**

NPV<sub>8</sub> (After Tax)

US\$310 million

US\$433 million at spot pricing

IRR (After Tax)

74%

IRR 98% at spot pricing

**CAPEX** 

US\$101 million

**AISC** 

US\$1,038/oz gold

**PAYBACK PERIOD** 

16 months

12 months at spot pricing

LOM FREE CASH FLOW (After Tax)

US\$513 million

US\$699m at spot pricing

ANNUAL GOLD PRODUCTION

65,000oz

ANNUAL COBALT PRODUCTION

465 tonnes

Assumptions: Base case gold price US\$2,500/oz, spot price US\$3,000/oz

### Expansion Opportunity

- Significant exploration potential in and surrounding project deposits
- Low capital cost to expand process plant and associated facilities

### Conventional operations

- Open pit mine operation across three deposits
- Conventional gravity and CIL process plant for gold and flotation for cobalt





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# **Appendix 1: KSB Project – Scoping Study Findings**

Highly economic gold-cobalt development opportunity with expansion potential

#### **Low Cost Gold-Cobalt Production**

- First quartile all-in sustaining cost (AISC) of US\$1,038/oz gold
- Average annual production of 65K oz gold and 465 tonnes cobalt in concentrate

#### **Excellent Economics**

- NPV<sub>8%</sub> US\$310 million
- Internal Rate of Return (IRR) 74%
- Payback 16 months

#### **Expansion Opportunity**

- Significant exploration potential in and surrounding project deposits
- Low capital cost to expand process plant and associated facilities

#### **Conventional operations**

- Open pit mine operation across three deposits
- Conventional gravity and CIL process plant for gold and flotation for cobalt

#### **Strategic Project**

- annual production of cobalt from the KSB Project would account for approximately 25% of the extracted cobalt from within the EU<sup>1</sup>
- Cobalt is defined as a Strategic Mineral under the CRMA and Critical Mineral by NATO
- Cobalt is essential for batteries, defence and aerospace

#### **Regional Benefits**

- The KSB Project will support ~200 new direct high paying jobs in the local region
- Taxes and royalties from the project will directly support the local municipality

#### **Operational Opportunities**

- Underground mining and open pit optimisation will be considered at K1
- PFS will consider ability to leverage off the Finnish non-fossil fuel power grid to optimise a carbon neutral operation
- The Company will explore circular economy opportunities for the project development
- The PFS will consider options for a best practise environmental approach in relation to water-related activities at both the mine site and processing plant



# **Appendix 2: KSB Project Economics**

Area	Measure	Unit	Base Case
	Life of Mine	Years	7.2
	Milling Rate	Ktpa	750
	Material Mined and Processed	Mt	5.41
	Feed from indicated Resource	%	90
	Average Gold Grade	g/t	2.91
	Average Cobalt Grade	%	0.09%
Production	Gold Recovery	%	92.5
	Cobalt Recovery	%	70.0
	Gold Produced (LOM)	oz	467,586
	Gold Produced (Average pa)	oz	65,000
	Cobalt Produced (LOM)	tonnes	3,235
	Cobalt Produced (Average pa)	tonnes	465
	Mining Strip Ratio (LOM)		11.4

Costs	Measure	Unit	Base Case
	Pre-production	US\$M	100.5
Capital	Sustaining	US\$M	17.8
Operating	Mining Costs (all tonnes)	US\$/t milled	3.75
	Road transport costs	US\$/t milled	7.18
	Processing Costs	US\$/t milled	24.95
	General and Administration	US\$/t milled	6.10
Royalty	Finnish Government	%	0.6%
Taxation	Company Tax	%	20%

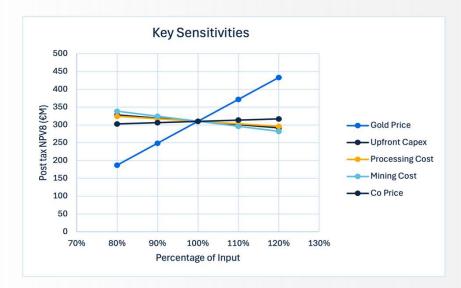
Financials	Measure	Unit	Base Case	Spot Price
	Gold Price	US\$/oz	2,500	3,000
	Cobalt Price	US\$/t	35,000	35,000
Economic Assumptions	AUD:EUR		0.60	
Assumptions	AUD:USD		0.	62
	EUR:USD		1.03%	
	Discount Rate	%	8	%
	Net Present Value (NPV) 8%	US\$M	310	433
	Internal Rate of Return (IRR)	%	74	98
Financial results (all on an after tax basis)	Capital Payback	Months	16	12
	Free Cash Flow (LOM)	US\$M	513	699
	Average Free Cash Flow (pa)*	US\$M	83	104

<sup>\*</sup> Avg free cash flow in full years of production, excludes first half year



# **Appendix 3: KSP Project Sensitivities**

Gold price is the dominant sensitivity



Gold Price	NPV <sub>8</sub>		IRR	Payback
(US\$/oz)	(US\$M)	(A\$M)	(%)	(Months)
2,500	310	492	74	16
3,000	433	687	98	12

Table 13: Base Case Key Financial Metrics

Costs and Financials	Unit	Metric
Project Costs		
Initial Capital	US\$m	100.5
AISC (Au only)	US/oz	1,038
AISC (Au equivalent)	US/oz Au eq*	996
Project Net Cash Flow		
Net Project cash flow	US\$m	513
NPV <sub>8</sub> (post tax)	US\$m	310
IRR (post tax)	%	74%
Payback period	Months	16



# **Appendix 4: Community Benefits**

### Opportunities to improve local infrastructure and services

Increasing population and economic activity are strengthening local service provision, such as schools and healthcare

### **Employment**

- Direct employment during production: 200
- Indirect employment 1-2 times more than direct, based on data from operating Finnish mines
- Significant additional work force requirements during construction phase

### **Economic Benefits (per year)**

### **Finland**

- Corporate tax : average €18m annually
- Mining royalty: ~€1m pa

### Kuusamo

- Share of mining royalty
- In addition property lease income, property tax income, municipality tax paid by employees and share of corporate tax

