

Nova Minerals

Developing North America's Next Major Gold Trend

ASX: NVA | OTC: NVAAF | FSE: QM3

USA | Canada | Australia

Gold & Lithium

www.novaminerals.com.au



Company Overview

Nova Minerals is developing North America's next major gold trend, **Estelle, to become a world-class, tier-one, global gold producer**. The company is focused on exploration in Alaska's prolific Tintina Gold Belt, a province which hosts a 220 Moz documented gold endowment and some of the world's largest gold mines and discoveries including Victoria Gold's Eagle Mine and Kinross Gold Corporation's Fort Knox Gold Mine.

The company's flagship Estelle Gold Project contains multiple mining complexes across a 35 km long mineralized corridor of over 20 identified gold prospects, including two already defined multi-million-ounce resources across 4 deposits containing as combined **9.9 Moz (3.4 Moz Measure and Indicated and 6.5 Moz Inferred)** and are host to extensive ongoing resource development programs.

To view a 3D fly through video of Nova's path to production and resource growth please click [here](#)

The Estelle Gold Project: District Scale – Going Big to Become a World-Class Gold Producer

Nova's fundamental achievements....in just over 4 years include:



Discovered a **truly tier 1 district scale project** along a 35 km long gold trend with over 20 significant prospective targets and potentially decades of opportunity in mining friendly Alaska on 450 km² of State of Alaska claims - Not just gold, but silver and copper as well, and being on State land means no federal or native corp lands overlap and a potentially simplified EIA process



Drilled ~84,000m to grow a **sizeable JORC compliant gold resource from green-fields to an impressive 9.9 Moz, including 3.4 Moz in the higher measured and indicated categories**, with deposits currently spread across 4 massive near surface intrusion related gold systems, and it's still growing with ongoing exploration and drilling programs to improve both the size and confidence of the resource - All completed within very tight budgets and a **very low discovery cost of < \$3.50 per oz Au**



Established a fully winterized 80 person camp with all facilities, including an onsite prep lab and 4,000 foot DC3 compliant airstrip, which allows **year round exploration** across the Estelle Gold Project



Completed 2 **robust economic studies which show the commercial viability of the project** with all deposits near surface and remaining open with a low strip ratio suitable for an open pit truck and shovel mining method with a conventional central milling operation. Strong mining and financial metrics and a **high sensitivity to the mill feed grade of 0.73 g/t Au**, which increasing is now the core focus of the company through both additional drilling and further metallurgical test work

Scoping Study Results (May 2023)

| | |
|-----------------------------|--------------|
| NPV _{5%} | US\$654M |
| IRR | 53% |
| Capital Payback Period | 11 Months |
| Undiscounted Free Cash Flow | ~US\$1B |
| Life of Mine (LOM) | 17+ years |
| AISC (LOM) | US\$1,149/oz |
| Pre-Production Capital | US\$385M |

RPM Mining Complex

| |
|--|
| Gold Resource 1.24 Moz @ 0.6g/t Au |
| High-Grade M&I Core 340koz @ 2.3g/t Au |
| Super High-Grade Measured 180koz @ 4.1 g/t Au |
| RPM North - 450m L x 150m W - from Surface |
| RPM South - 400m L x 250m W - from Surface |
| 600m High Priority Link Zone to be Drilled |
| ~ 15,000m Drill Program Planned for 2023 |
| Train Area Another Potential Massive IRGS |
| 6 Other Prospects at Varying Levels of Exploration |

Korbel Mining Complex

| |
|--|
| Bulk Tonnage Gold Resource 8.65 Moz @ 0.3g/t Au |
| 3.09 Moz @ 0.3 g/t Au Indicated |
| 1.6 Moz Higher-Grade Feeder System > 1 g/t Au |
| Korbel Main - 2,500m L x 500m W - from Surface |
| Cathedral - 800m L x 350m W - Wide Open |
| Upgrades Well Using XRT Particle Ore Sorting |
| Site of the Proposed Central Processing Plant |
| 4 Other Prospects at Varying Levels of Exploration |
| Similarities to Kinross Gold's 11 Moz Au Fort Knox |



Drilled 3 of the best thick gold intercepts in the last 10 years globally: RPM-005 132m @ 10.1 g/t Au, within a wider 400m @ 3.5 g/t Au (**1,400 gram meters**), RPM-015 117m @ 11.1 g/t Au within a wider 258m @ 5.1 g/t Au (**1,316 gram meters**) and RPM-008 87m @ 10.1 g/t Au within a wider 260m @ 3.6 g/t Au (**936 gram meters**)



Established a **leadership team of experienced mining executives and operators with a history of growing and de-risking projects**, including a local well connected CEO who has significant experience in bringing mines into production having worked on major projects including Sepon, Carosue Dam, Batu Hijau and the Carlin Trend - All with a united vision of getting Estelle into production as fast as possible and **who have collectively invested > US\$5 million** through options conversion, placements and multiple on-market purchases



Established a **proven and robust flow sheet which easy liberates the gold** using conventional technology for an 88.3% recovery, with further optimization planned



Proven that particle density XRT ore sorting works extremely well on the Estelle ore bodies as the high density (5-7 sg) of the gold bearing arsenopyrite rock is vastly different to the lower density (2 sg) country rock which is picked up by the ore sorters incredibly well, and with extensive testing showing the potential to upgrade 0.4 g/t Au material up to 6 g/t Au, with the optimum at 0.73 g/t Au - Less waste, and with the rock also showing to be acid neutral this can be used to build and maintain the haul and mine roads



Built strong relationships with the local community, reputable North American suppliers and the very supportive State of Alaska government, which has now committed to the permitting stage of the West Susitna access road, with construction proposed to commence in 2025

A Diversified Portfolio

Nova has also established a diversified portfolio to hedge against fluctuations in the gold price and to expose the company to the upside of these other high-value minerals, including:



Discovered a sizable JORC compliant lithium resource of 11.1Mt @ 1% Li20 in Manitoba Canada, spun it off on the NASDAQ as **Snow Lake Lithium** (NASDAQ: LITM), **monetized US\$18M** and continue to hold a **majority shareholding of 37%** in the company



Invested and now **free carry an 8.76% holding in Asra Minerals**, who have discovered an exciting critical elements and heavy rare earths deposit, as well as gold, in Western Australia, with a near term production potential



Through a small loan, which has been largely repaid, Nova obtained a **9.9% interest in Rotor X Aircraft Manufacturing**, a cash generating US-based company leading the development of electric VTOL aircraft and innovative low operating cost heavy lift drone technology which the company envisage to use at the Estelle Gold Project once full approvals have been received

Strategic Investments



6.6 million shares
37.00% owned
NASDAQ: LITM



117.3 million shares
8.76% owned
ASX: ASR



9.9% owned
Pre-listing

Corporate Information (May 2023 - AUD)

| | |
|---------------------------------------|-----------------|
| Share Price | \$0.34 |
| Shares Outstanding | 210.9M |
| Market Capitalization | \$71.7M |
| Share Price: Year high-low | \$1.00 - \$0.29 |
| Cash & Cash Equivalents (May 2022) | ~\$50M |
| Debt | \$7.5M |

Directors and Management

| | |
|-----------------------|------------------------------------|
| Louie Simens | Executive Chairman |
| Christopher Gerteisen | Executive Director & CEO |
| Craig Bentley | Director of Finance and Compliance |
| Rodrigo Pasqua | Non-Executive Director |
| Avi Geller | Non-Executive Director |
| Michael Melamed | Chief Financial Officer |
| Ian Pamensky | Company Secretary |

Contact

info@novaminerals.com.au

Estelle Gold Project

Targeting world class deposits with multiple mining complexes across the single project



Whiskey Bravo Airstrip & Camp

- Key:
- Resource Deposit
 - Prospect – Drilled
 - Prospect – Resource Target
 - Prospect – Other
 - Potential Processing Plant
 - ⋯ Proposed Haul Road
 - - - Proposed Access Road
 - - - Proposed West Susitna Access Road
- 1km

6.6 Moz Au Total Resource Including 3.1 Moz Indicated

Potential Processing Plant

Korbel Main Deposit

You Beauty

Stoney

Shoeshine

0.4 Moz Au Inferred Resource

Isabella

Cathedral Deposit

2.0 Moz Au Inferred Resource

Trumpet

Train

RPM South Deposit

Korbel Mining Complex

Potential Processing Plant

RPM North Deposit

0.8 Moz Au Total Resource Including high-grade 0.3 Moz Measured & Indicated

RPM Mining Complex

35km Long Mineralized Corridor

