

PHENOM

RESOURCES

**A Growing Nevada-focused Tier 1 Gold and
Green Energy Explorer and Technology Company
With Dedicated Accomplished Team**

**Corporate Presentation
February 2025**

Forward-Looking Statements

- Some of the statements contained in this presentation may be deemed “forward-looking statements.” These include estimates and statements that describe the Company’s future plans, objectives or goals, and expectations of a stated condition or occurrence.
- Forward-looking statements may be identified by the use of words such as “believes”, “anticipates”, “expects”, “estimates”, “may”, “could”, “would”, “will”, or “plan”. Since forward-looking statements are based on assumptions and address future events and conditions, by their very nature they involve inherent risks and uncertainties.
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- Paul Cowley, P.Geo. President and CEO is the qualified person responsible for reviewing the technical information in this presentation.



Who We Are – Why Phenom is Unique

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Au
Gold

- **111.2 Million Shares; Listed on TSX-V and OTCQX exchanges;** HQ in Vancouver, local office in Elko, NV
- **Roughly 40% American, 55% Canadian Shareholders; (Rob McEwen 5%, Eric Muschinski 9.8%)**
- **Nevada focused and growing:** 7 years dedicated to flagship project and growing portfolio – Tier 1 secure and reliable mining jurisdiction
- **Our Assets:** Diversified 2 commodity portfolios (gold and green energy metal) with proprietary mineral processing technology; timely spin-out opportunity
- **Our People:** Driven, highly experienced and successful Canadian and American professional discoverers and technology specialists; developed 3 patents for vanadium-nickel extraction

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V

Vanadium

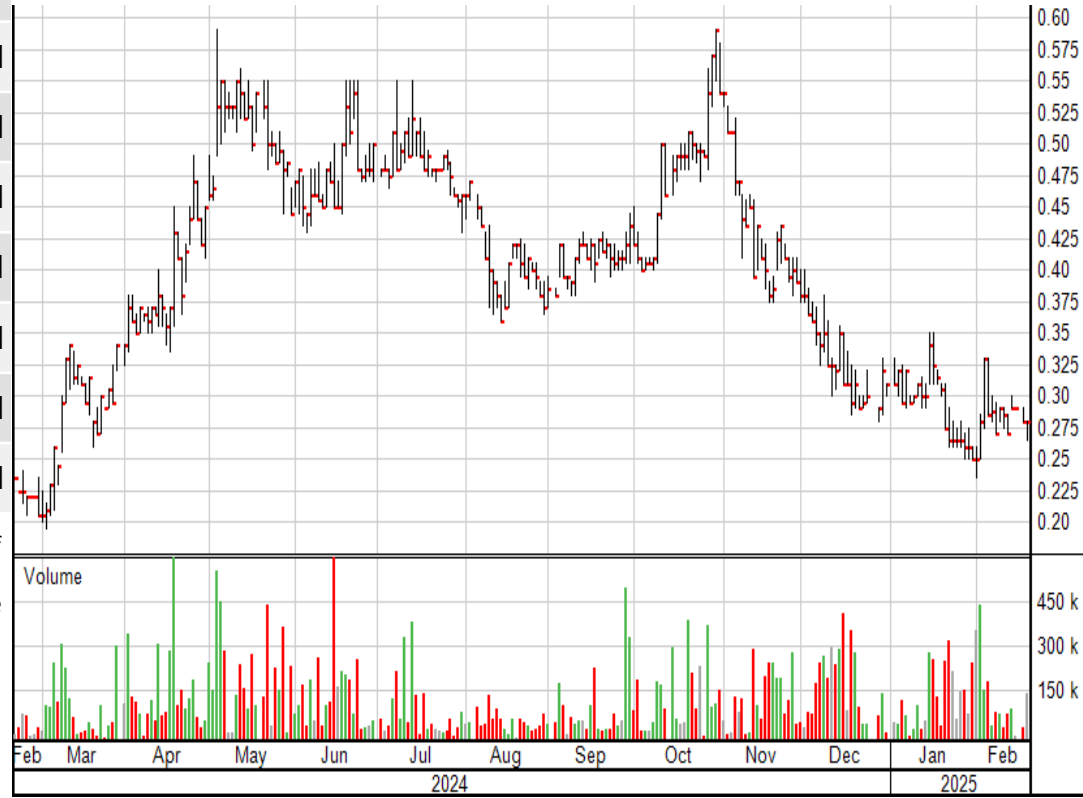
- **Gold:** Four high-quality regional scale gold projects in strategic gold trends – Carlin, Dobbin & King Solomon (Carlin-type) and Crescent Valley (Bonanza-type) hand-picked by renowned & proven mine finder Dave Mathewson
- **Green Energy Metal:** Owns North America's largest, highest grade primary vanadium resource at PEA stage, strategic for US Homeland security and growing large-scale battery deployment; 5% equity interest in Japanese solid-state vanadium battery corp. (recently funded for US\$50M to build first battery plant – should be cashflowing in late 2025)
- Near-term Goal: make a Carlin-style high-grade gold deposit discovery
- Mid term Goal: become **leading USA supplier of vanadium** to emerging **USA large energy storage market**

Capital Structure & Share Price Performance

Capital Structure

Share Price (at Feb 19, 2025)	C\$0.28
Shares Outstanding – Basic (M)	111.2M
Options Outstanding (M)*	6.0M
Warrants Outstanding (M)*	25.5M
Shares Outstanding – Fully Diluted (M)	142.7M
Market Capitalization – Basic	C\$32.2M
Cash & Cash Equivalents	C\$1.6M
Enterprise Value – Basic	C\$30.6M

12-Month Share Price Performance



*5,965,000 options outstanding with a weighted average exercise price of C\$0.38 and a weighted average life of 2.79 years

*25,450,503 warrants outstanding with a weighted average exercise price of C\$0.54 and a weighted average life of 1.97 years

Source: Stockwatch as of Feb 19, 2025

Experienced Management & Board

Tier 1 Project Guided by a Competent Respected Senior Team

Paul Cowley (P.Geo.)
President & CEO, Director



Michael Mracek (P.Eng.)
Director & Mining Advisor



Dave Mathewson
Director & Geological Advisor



John Anderson (B.A.)
Director



David Dreisinger (PhD)
Metallurgical Advisor



Jodi Esplin
Metallurgical Advisor



Jacques McMullen (P.Eng.)
Metallurgical Advisor



Doug Dreisinger (P.Eng.)
Business Development



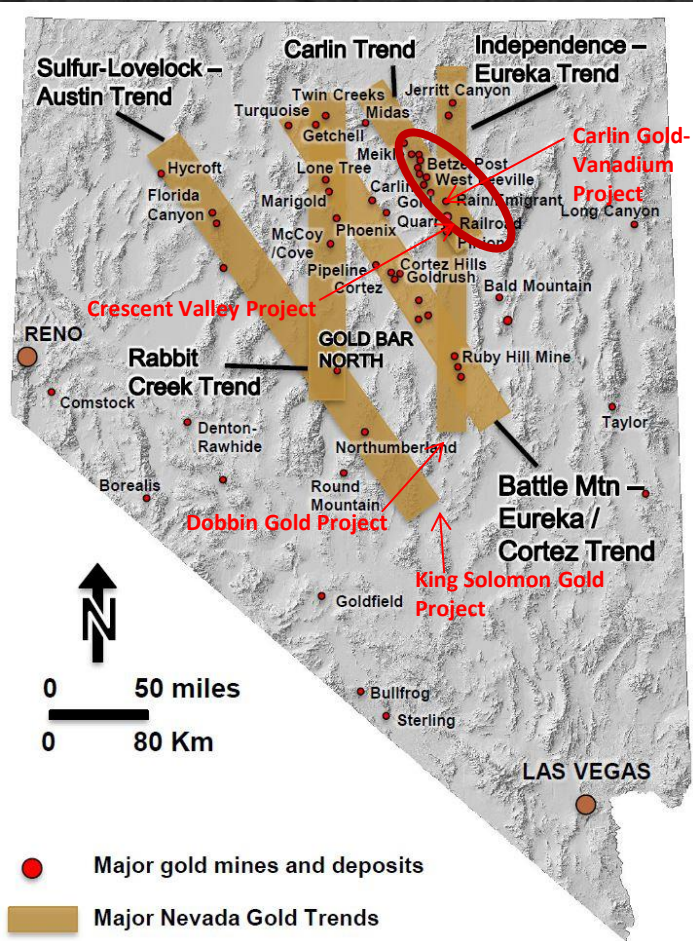
Management Team with a Successful Track Record

Remarkable Talent and Track Records in Discovery

- Two Phenom geologists have found 10 gold deposits (>14Moz) in their careers **and driven to make their next discovery**
- Dave Mathewson is an authority on Carlin Gold Trend, vigorously exploring for with Newmont and Gold Standard Ventures (GSV)
 - Found >5M oz Au within 10 km of our property
 - Neighboring GSV (5 km away) reached a market cap of \$1 Billion from gold deposits he found and acquired for GSV
- **Onto 11th gold deposit discovery with Dobbin**

Phenom's Gold Opportunity – Regional Scale Targets

- Focused in Nevada with Tier 1 Assets quarterbacked by legendary mine finder
- Not just located anywhere in Nevada, the top mining jurisdiction in the US, but in the best gold producing structural trends in Nevada
- Dobbin, King Solomon and Carlin Projects are large Carlin-type gold systems
- Crescent Valley is a Bonanza high grade gold target
- Projects all hand picked and guided by Dave Mathewson renowned accomplished Nevada gold mine finder



Recent Dobbin Gold Acquisition

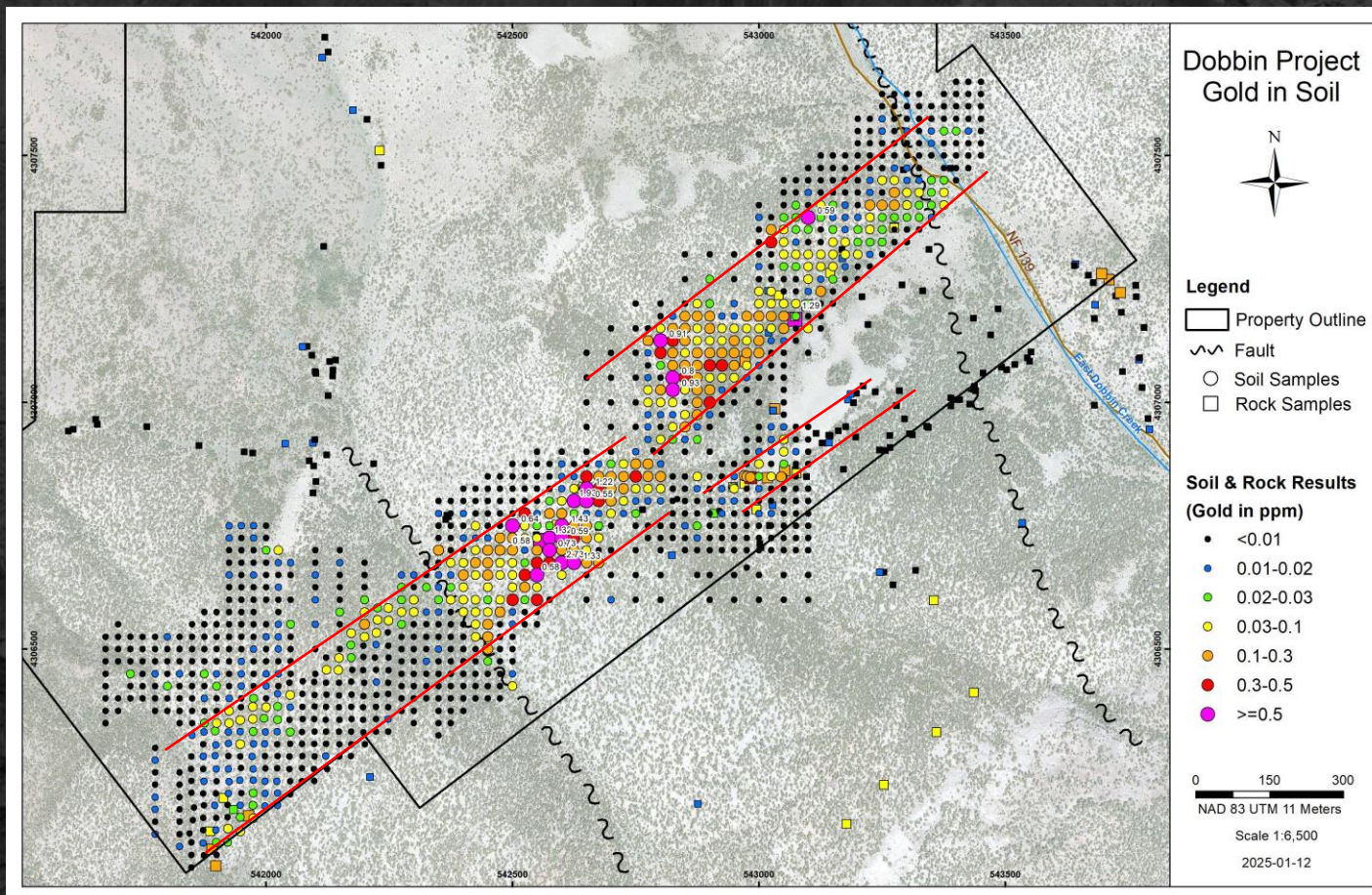
Carlin-type Gold Deposit Discovery



- Near-surface target in highly altered Roberts Mountains Formation; Nevada's best rock host for Carlin-type gold deposits
- Previously explored by Newmont in late 1980's but abruptly stopped when a Wilderness Study Area was declared – since then, Study Area reduced in size and open for staking – optioned in September 2023
- 1 year later, deposit discovery made – +2.1 km x +200m strong gold soil anomaly to 2.7g/t Au



Dobbin Gold Project Our First Carlin-type Gold Deposit Discovery



Recent King Solomon Gold Acquisition Carlin-type Gold Target

- Near-surface target in Paleozoic carbonate package including highly altered Roberts Mountains Formation
- Surface samples up to 8.4 g/t Au from jasperoid within 3m x 3km area of gold-in-soil anomaly with pathfinder minerals (Au-Ag-As-Sb-Ba-Hg-Tl)
- Previous explorers focused with shallow drilling in overlying volcanics which do host shallow gold intercepts (ex. 67.1m at 0.5 g/t Au) - 113 shallow drill holes to date
- Gold in volcanics indicates a bigger gold system in underlying carbonate package (ex. carbonate intercept 80.8 m at 0.8 g/t Au - ended in mineralization)
- **Historic antimony mine**



King Solomon Drill Hole Highlights

Drill Hole ID	From (m)	To (m)	Intercept Length (m)	Gold Grade (ppm)	From (ft)	To (ft)	Intercept Length (ft)	Gold Grade (opt)	Ended in Mineralization (EIM)
KS-1	0.00	74.68	74.68	0.87	0	245	245	0.028	*EIM
KS-3	33.53	50.29	16.76	0.78	110	165	55	0.025	*EIM
KS-5	36.58	74.68	38.10	1.24	120	245	125	0.04	
KS-7	39.62	91.44	51.82	0.72	130	300	170	0.023	*EIM
KS-9	54.86	86.87	32.00	0.65	180	285	105	0.021	
KS-9	114.30	134.11	19.81	0.47	375	440	65	0.015	*EIM
KS-13	45.72	82.30	36.58	0.87	150	270	120	0.028	
KS-13	86.87	121.92	35.05	0.37	285	400	115	0.012	
KS-13	121.92	152.40	30.48	0.56	400	500	100	0.018	*EIM
KS-24	0.00	80.77	80.77	0.96	0	265	265	0.031	
KS-26	32.00	76.20	44.20	0.65	105	250	145	0.021	
KS-26	96.01	112.78	16.76	0.90	315	370	55	0.029	*EIM
KKS-1	0.00	80.77	80.77	0.89	0	265	265	0.028	
KKS-3	7.62	41.15	33.53	0.98	25	135	110	0.032	
KKS-3	140.21	182.88	42.67	0.55	460	600	140	0.018	*EIM
including	166.12	182.88	16.76	0.80	545	600	55	0.026	*EIM
KS-29-90	182.88	194.46	11.58	0.83	600	638	38	0.027	*EIM

Crescent Valley Gold Acquisition

Bonanza-type epithermal Gold Target



- along the southwest fringe of the Carlin Gold Trend
- largest exposed quartz vein system in Nevada – 4km long
- low-sulphidation bonanza vein epithermal gold opportunity
- setting remarkably similar to that of the SLEEPER deposit in Nevada
 - was considered the lowest cost producer in the world in 1988 at \$103/oz averaged 0.48 opt Au
- IP completed – Phase 1 Drilling completed in Oct. 2024 awaiting results

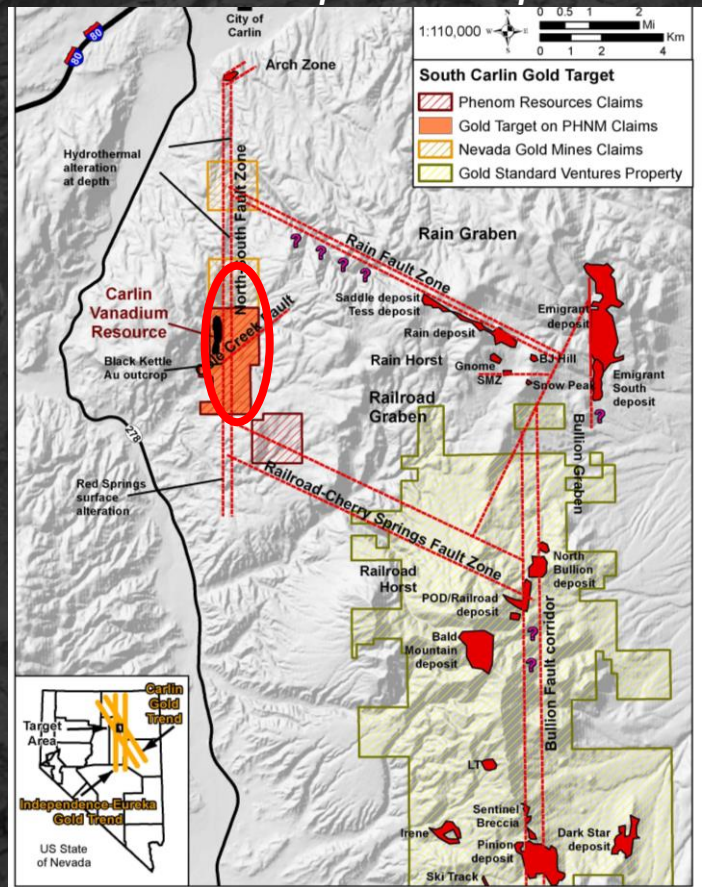
High-Grade Gold Opportunity

Backed by compelling regional science – Tapping Carlin Plumbing System

Structural Map with Au Deposits

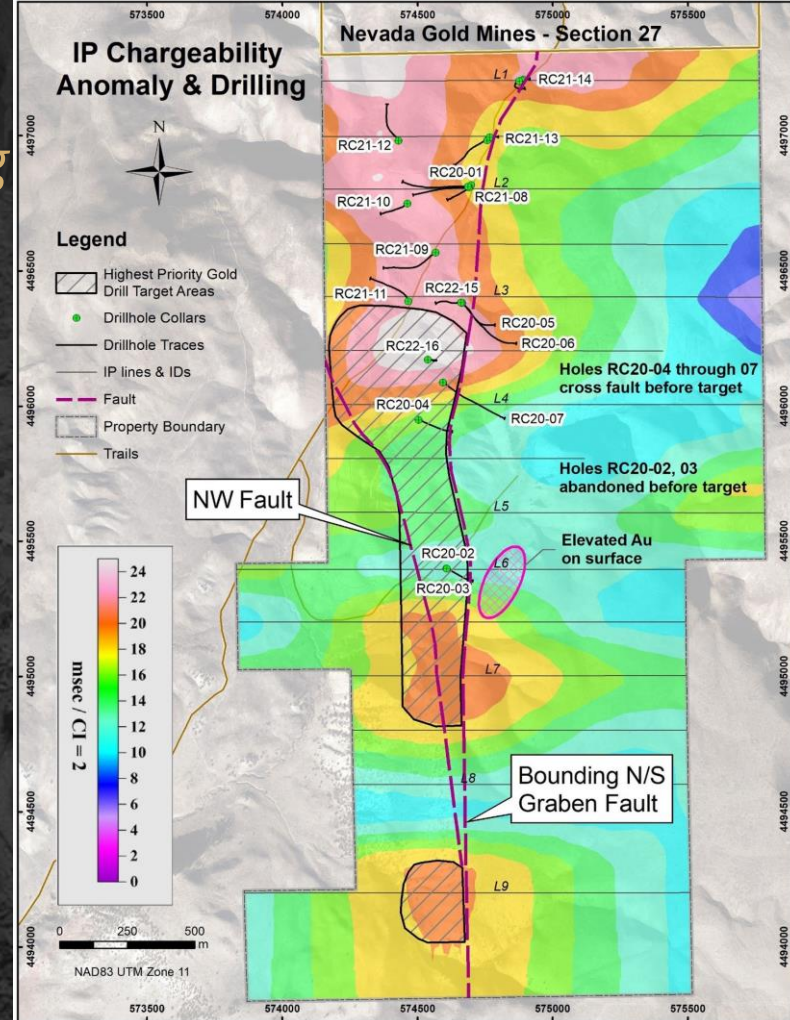
Southern Carlin Trend Area (Rain-Railroad District)

- ~9M oz Au in multiple deposits and mines within 5-15 km of the property
- 3 key structures NW, N/S, and NE (plumbing system throughout trend)
- Property on N/S Structure
- Rain and Emigrant structures hosting > 6Moz Au



Large Gold System – 6.4km long Analogous to Gold Quarry Deposit Setting

- IP chargeability shows system (white/pink) >6.4km long, up to 1.3km wide
- PHNM controls 2 square miles of system
- 18 drill holes provides architecture of gold system
- Now vectoring within the large system for high-grade feeders (like pearls beside and along N/S graben structure)



Highest Priority Untested Gold Target Areas

Importance/Future of Vanadium in Energy Sector



STATIONARY BATTERY MARKET - vanadium best suited

- Multi \$Billion Stationary battery market is predicted to grow between **10 and 30X by the end of this decade**
- **Will be double the size of EV market in 10 years, needing twice the current global production of vanadium**
- **The US wants to be a leader in this development** - feedstock to battery
- US Federal gov't is investing **billions to secure its own battery supply chains**
- **STRATEGIC** mineral for USA Homeland Security - Main producers are China, Russia and South Africa

VRFB Projects Working Around the World



G&W Electric microgrid solution - Illinois, US. – 8MWh



400 MWh VRFB from Pu Neng in Hubei



Dalian flow battery Station 800MWh - increased grid stability and backup power



VRFB storing Solar Collection – China (Zhejiang Province)



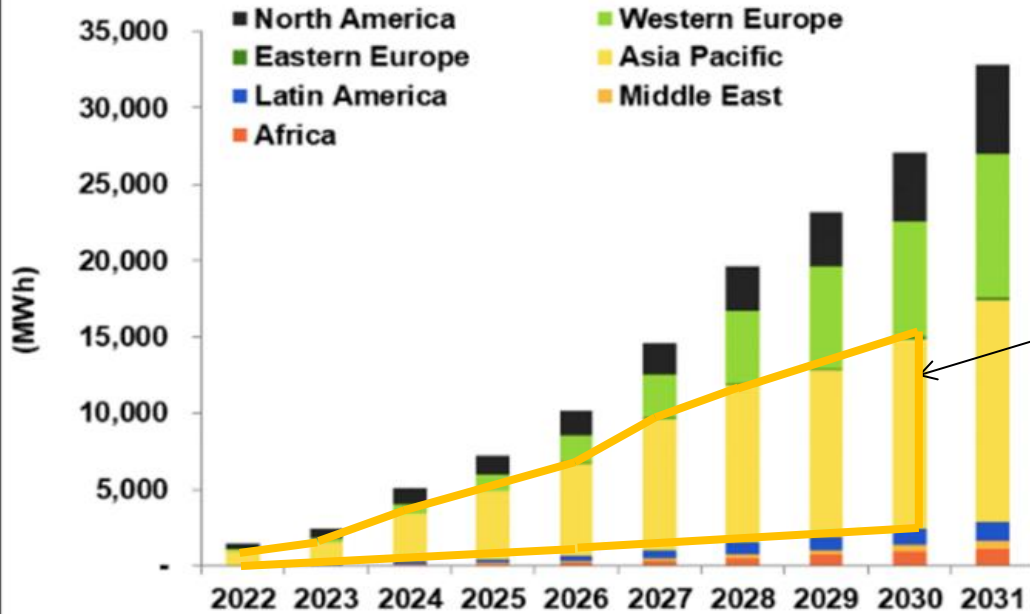
8 MWh VRFB to support a 6 MW solar array
Hawker, South Australia



VRFB system - Hokkaido Electric Power Co's power substation in Hokkaido, Japan 60 MWh

Importance/Future of Vanadium in Energy Sector

Annual Installed VRFB Utility-Scale and Commercial and Industrial Battery Deployment Energy Capacity by Region, All Application Segments, World Markets: 2022-2031



(Source: Guidehouse Insights)

STATIONARY BATTERY MARKET – vanadium best suited

- We are about to witness a major shift this decade for vanadium into utility scale battery storage market – China clearly leading with major developments and orders
- This 2021 forecast is conservative

China is declaring they want 180 GWh of batteries install by 2030 (3X this forecast);

India wants 100 GWh by 2030

The US will try to compete with China using US Federal \$ incentives driving adoption faster still

Vanadium Advantage in Energy Sector in Stationary Battery Market



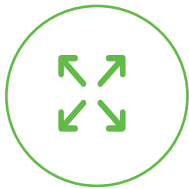
Vanadium electrolyte is reusable, recyclable, and has a battery lifespan of 25+ years



Non-flammable / Extremely safe



Now cheaper than lithium



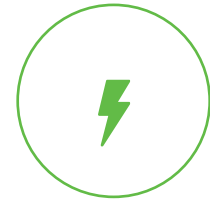
Extremely Scalable



Can be charged and discharged at same time



Deeper charge – holds more power



Can rapidly release large amounts of electricity

Lithium-ion Battery Fires



Fire at the 300 MW Tesla battery in Moorabool, Victoria - burned for almost four days before it was declared under control, after spreading onto a second 13 tonne lithium-ion (li-ion) battery.

One fire in Beijing killed two firefighters and took 235 firefighters to control, whilst another fire that took place in Arizona in 2019 threw a firefighter 20 metres, leaving him with a brain injury and broken ribs.

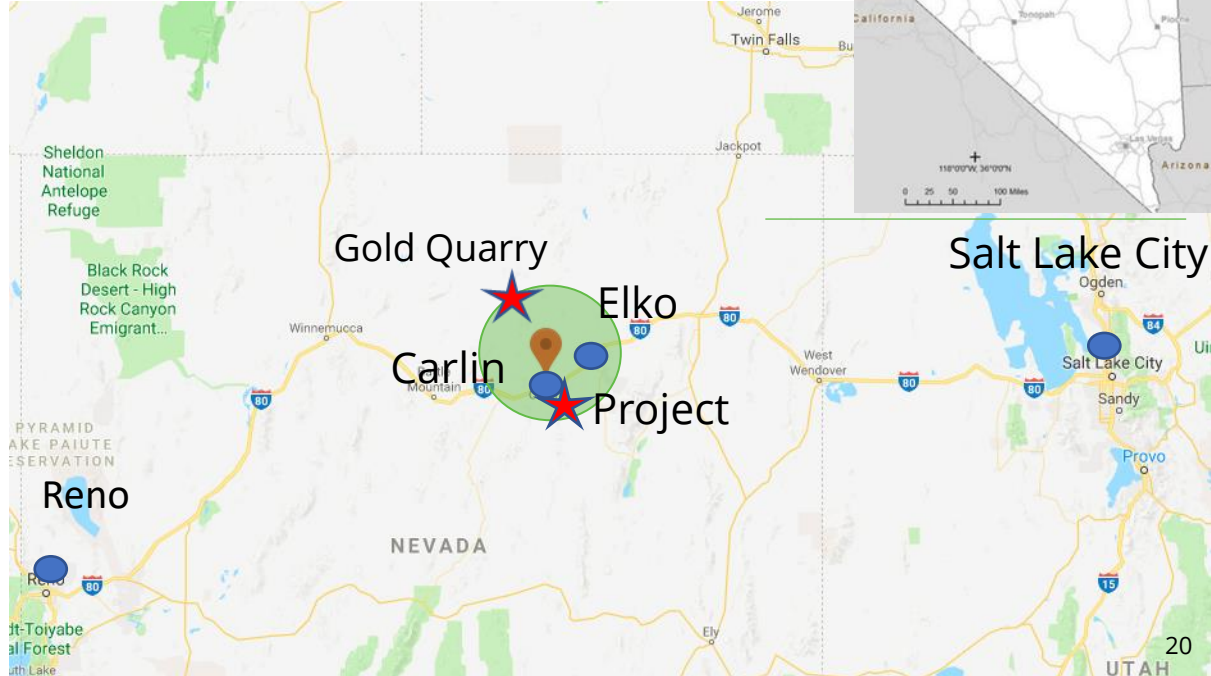


Flagship South Carlin Project

Great Location with Excellent Infrastructure

*Established and favorable mining jurisdiction
within the Carlin Gold Trend*

- located in Elko County, 10 km (~6 miles) by road from the town of Carlin, NV
- Easily accessible via road (Carlin is a major rail hub to both coasts) with available power (~5 miles away)
- Nearby mining communities, skilled workforce, mining services, suppliers and vendors, and airport
- Short trucking distance to processing plants on trend (13 miles)



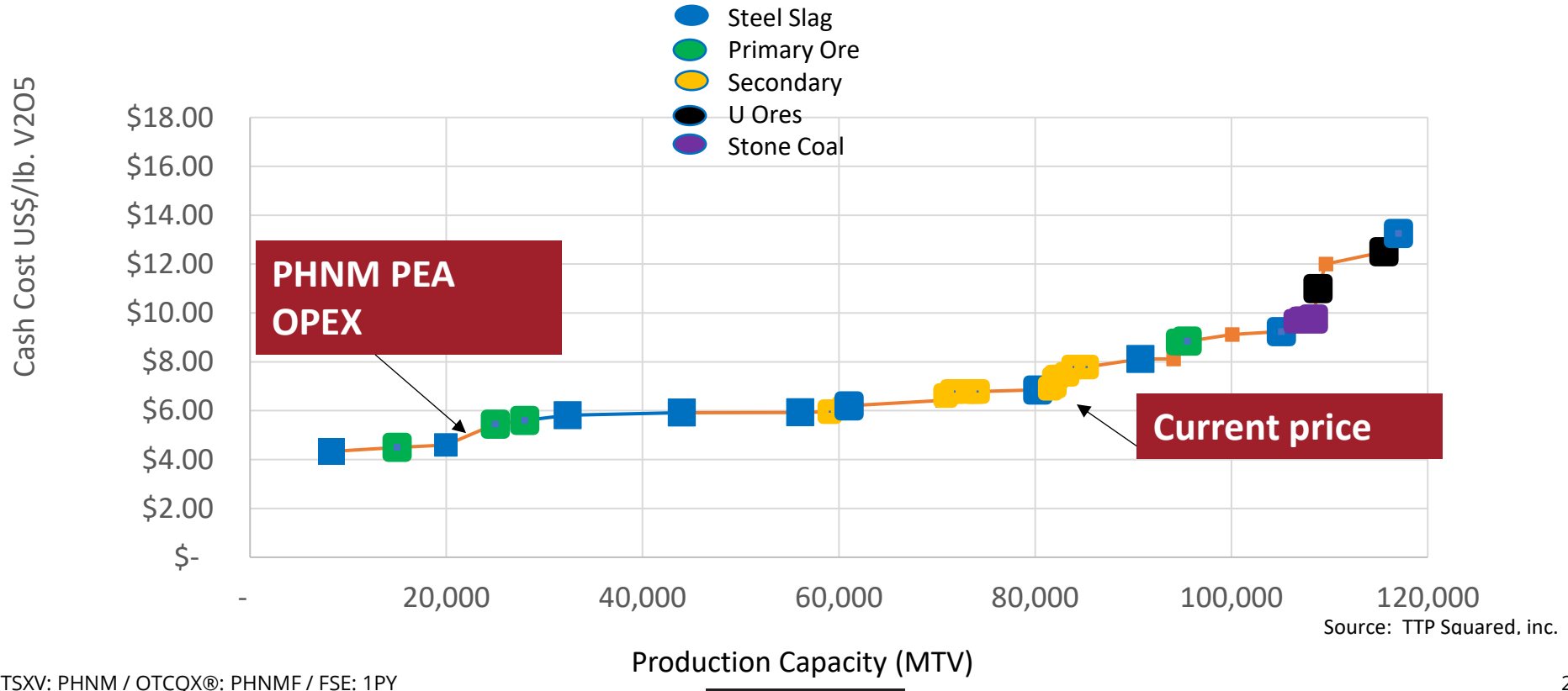
VANADIUM RESOURCE

BEST SITE CONDITIONS



- Vanadium Mineral Resource – Feb 2019 (80% Indicated)
 - indicated resource 303M lbs V₂O₅ (24.64M tons @ 0.615% V₂O₅) and inferred resource 75M lbs V₂O₅ (7.19M tons @ 0.520% V₂O₅)
- Large deposit – 35m (120ft) thick x 1800m (6000ft) long x 600m (2000ft) wide - Open to expand
- High Vanadium grades – thick intercepts up to 1.5% V₂O₅
- Flat to shallow dipping
- Near surface (0-60m; 0-200ft) amenable to open pit mining
- Metallurgical flow sheet: 80% average vanadium recovery

Forecast 2022 V205 Cash Cost Curve for Global Vanadium Producers



Plans/Catalysts for 2025

Au⁷⁹
Gold

- **Make a significant gold discovery – guided by Dave Mathewson**
 - **Drill Crescent Valley gold project – Bonanza-type gold target**
 - **Drill King Solomon gold project– Carlin-type gold target**
 - **Drill Dobbin gold project – Carlin-type gold target**
 - **Pause on vector-drilling the South Carlin gold system to focus spending near-surface**

- **Complete Gold and Copper Spin-out Co. to Phenom shareholders**

V²³
Vanadium

- **Enhance vanadium resource through various opportunities to lower CAPEX/OPEX as prices rise – seeking U.S. Federal grant up to \$300 million, securing working relationship with battery manufacturers, selective engineering studies, drill to increase size of resource**
- **Make additional high-grade vanadium acquisition**

Why Phenom?

Holds 100% interest in the largest, highest-grade, primary vanadium resource in North America

Significant potential for a Carlin-style, high-grade gold discovery at Dobbin, King Solomon and Carlin, Bonanza-style at Crescent Valley

Team with a track record of discovering gold deposits driven to make next one; developed 3 vanadium recover patents



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