
RZOLV
TECHNOLOGIES

Disclaimer

Cautionary Statement
Forward-Looking Information

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What we do

WHAT WE DO

A clean-tech innovator commercializing a disruptive, non-toxic alternative to the $3.0B of cyanide used in gold mining every year…

The Market

- $3B of Cyanide is used annually in over 80% of global gold production ($394B)
- There is NO commercially viable option available
- Difficult to permit and prohibited in many countries
- Cyanide is not effective on all ores and concentrates
- Sector is motivated and actively seeking alternatives
- The cyanide-restricted and cyanide-ineffective market is materially larger than the $3B market that cyanide currently addresses
- Cyanide doesn't "**fail everywhere**" — it fails **selectively**. Those failure windows already represent **hundreds of millions of ore tonnes per year**.

Disruptive Industry Solution

- Developing the only viable alternative to cyanide for gold mining
- Disruptive technology – potential game changing technology
- Invested over 3 years and $6M in research and development
- Patent pending formula with high recoveries and fast leach kinetics
- Thousands of lab-scale and pilot scale tests completed
- Proven and validated recoveries by **SGS Labs**
- Similar performance and price to cyanide

Features & Benefits

Feature	Advantages	Benefits
Non-Toxic formula	• Ease of permitting • Lower operating costs • Enhanced ESG profile • Benign tailings	• Unlocks value of deposits • Improves mine economics • Enhanced community relations • No cyanide destruct circuit required
High Performance	• High recoveries • Fast kinetics • Stable solution • Stable gold complex	• Improves mine economics • Higher efficiencies • Lower costs • High reliability
Simple Process	• Simple operation • Conventional carbon recovery • water-based chemistry	• No complex equipment or infrastructure • Simple integration to existing mines • Low-cost, low-impact
Wide Applicability Spectrum	• Works on most ores • Effective on complex ores • Effective on high-grade concentrates	• Unlocks value of stranded deposits • Effective on sulfide and gold/copper ores • Reduces reliance on external smelters • Lowers costs

Expanded-Addressable Markets

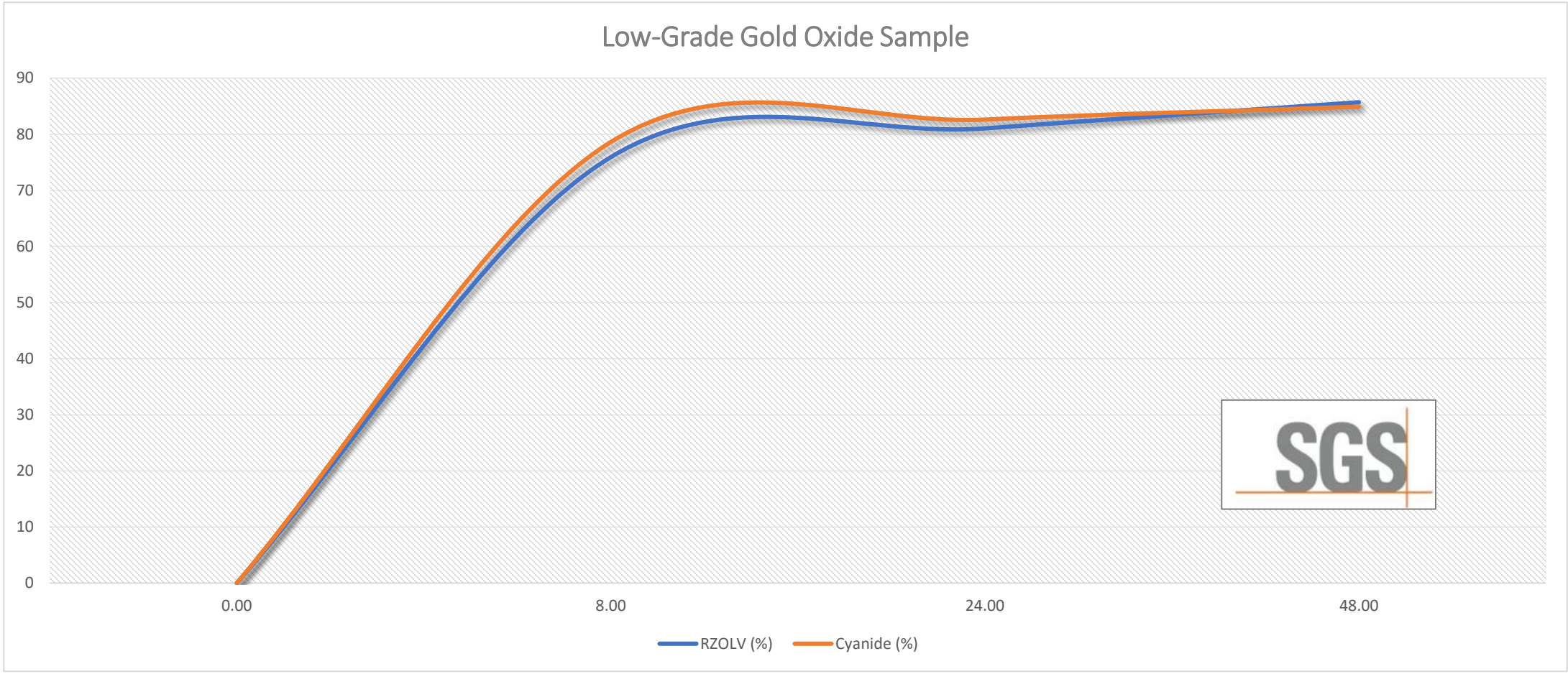
Category	Cyanide	RZOLV
Heap leach oxides	✓	✓
CIL/CIP milling	✓	✓
Post-oxidation ores	✓	✓
Gravity & Flotation concentrates	Limited	✓
Sulfide ores	✗	✓
Acidic tailings	✗	✓
ISR deposits	✗	✓
Cyanide-banned jurisdictions	✗	✓
Artisanal Miners	✗	✓

Broad Applicability Spectrum

Processing Method	% of Global Gold Production	Value (USD)
✓ Heap/Vat Leaching	41.0%	$ 166.1 B
✓ CIL/CIP Circuits	32.0%	$ 129.6 B
✓ Artisanal/Small Scale	13.0%	$ 52.6 B
✓ Flotation Concentrates	10.0%	$ 40.5 B
✓ Gravity Concentrates	4.0%	$ 16.2 B
	100.0%	**$ 405.1B**

RZOLV vs Cyanide Leach Kinetics

Gold recovery comparison between RZOLV Vs. Cyanide on Low-Grade Oxide Sample



*Independent laboratory validation tests performed by **SGS Labs**:*

Process Simplicity

- ✓ Simple set up and integration
- ✓ Uses existing infrastructure
- ✓ Simple process
- ✓ Conventional gold recovery to carbon
- ✓ Chemicals regenerated and reused
- ✓ No cyanide destruct circuit required

Heap or Tank Leach Process

Carbon Recovery Process

Electrochemical Regeneration

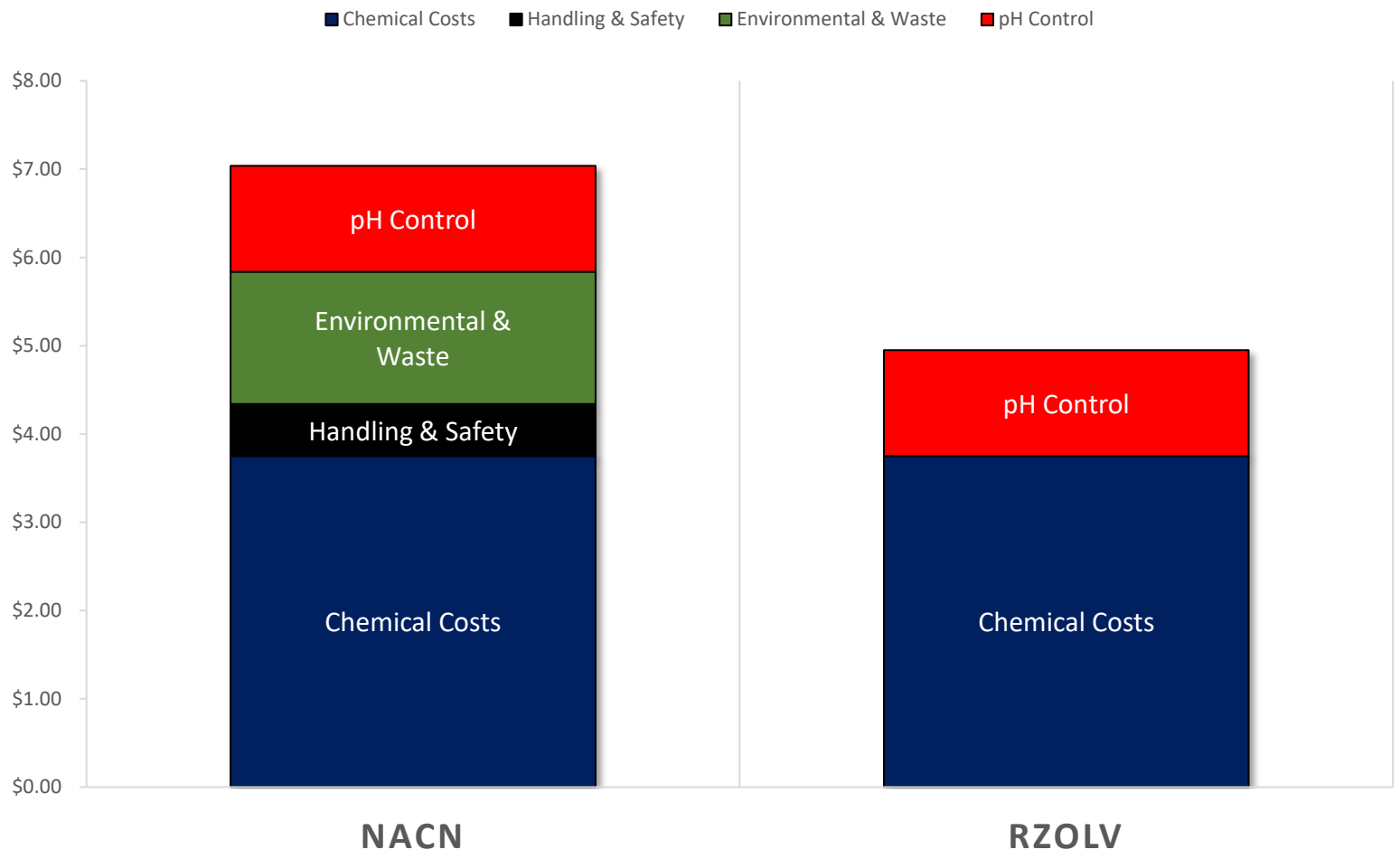
Ore Compatibility Index

RZOLV VS CYANIDE GOLD RECOVERIES BY ORE TYPES (SCORE = 0 TO 5)

**The data displayed herein is based on sources and AI-based composition that management believes to be accurate . The illustrated results generalize the overall compatibility of both solutions in the various ore types, but each ore has individual characteristics that will affect the outcome and as such this data should not be relied upon.*

RZOLV vs Cyanide - Associated Costs

EST OPERATING COSTS PER ORE TONNE NACN VS RZOLV

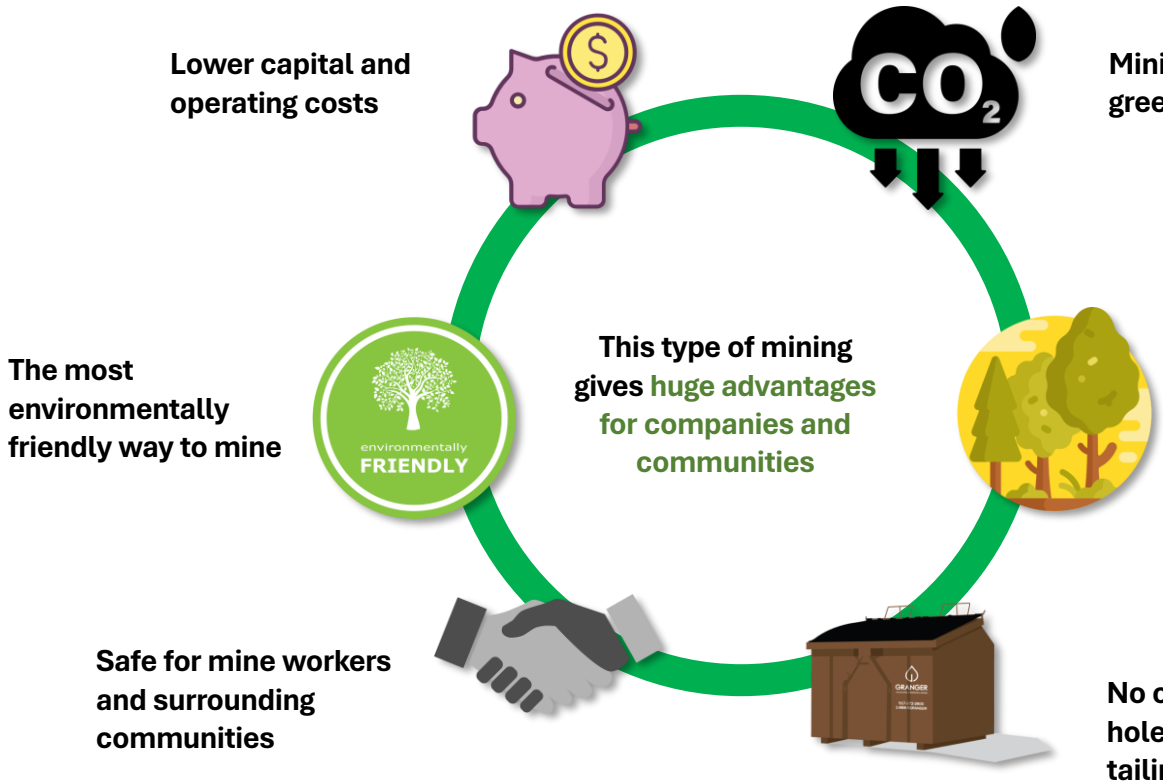


** Does not include costs of cyanide destruction, site remediation, bonding, mine insurance, D&O insurance, etc. Assumes $2,500/Tonne NaCN & $1,250/Tonne RZOLV) (assumes application rate of 1.5kg/T ore NaCN & 2.5 kg/T ore RZOLV).*

Potential for Low Impact – In-Situ Recovery

AI-based Image

Mining without moving a rock…



Lower capital and operating costs

Minimal noise, dust and greenhouse gas emissions

The most environmentally friendly way to mine

This type of mining gives huge advantages for companies and communities

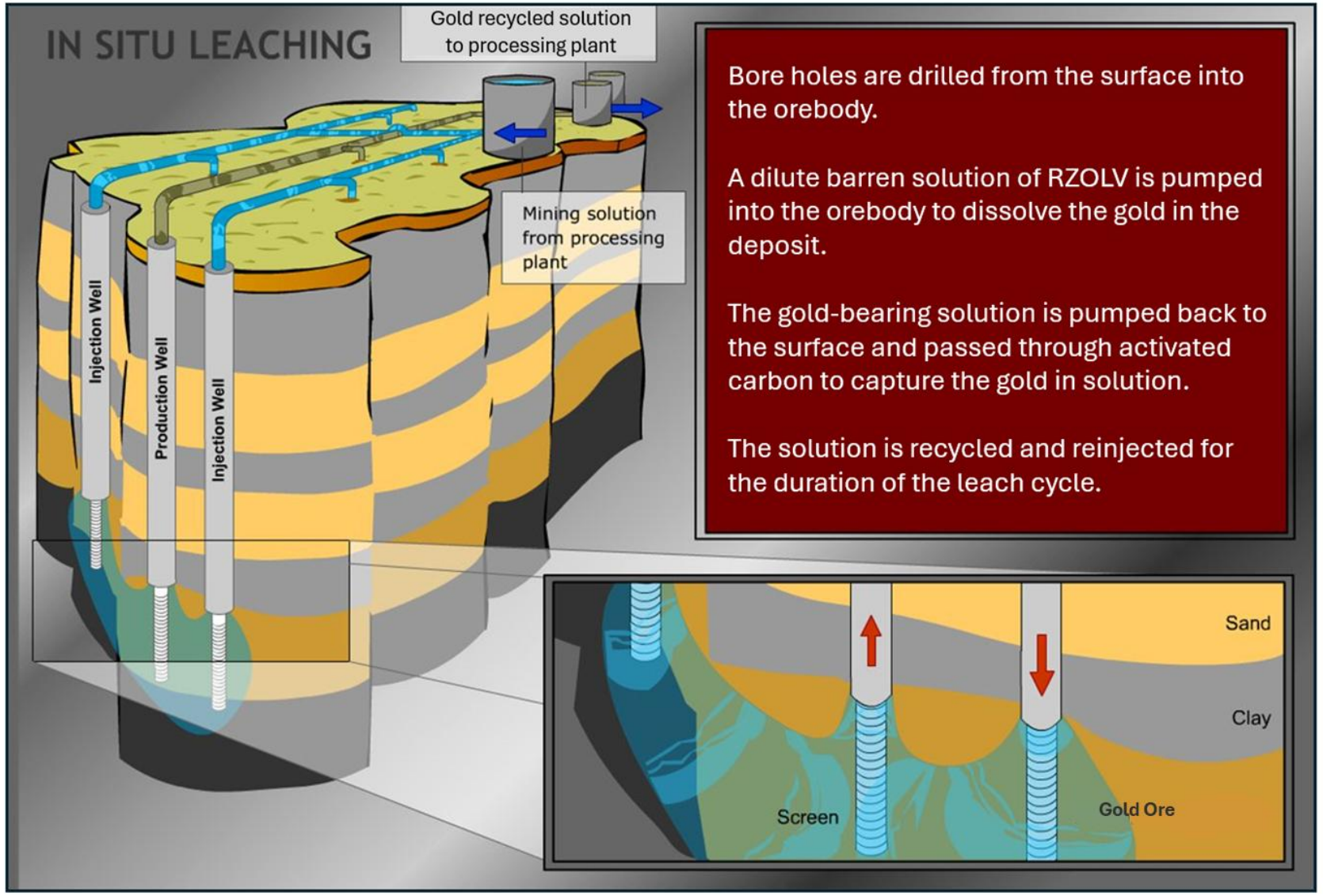
Minimal visual disturbance

Safe for mine workers and surrounding communities

No creation of open holes, waste dumps, or tailings piles

In Situ Mining is a proven mining method with significant benefits for companies and the environment, all without moving a single rock…

Potential for Low Impact – In-Situ Recovery



Bore holes are drilled from the surface into the orebody.

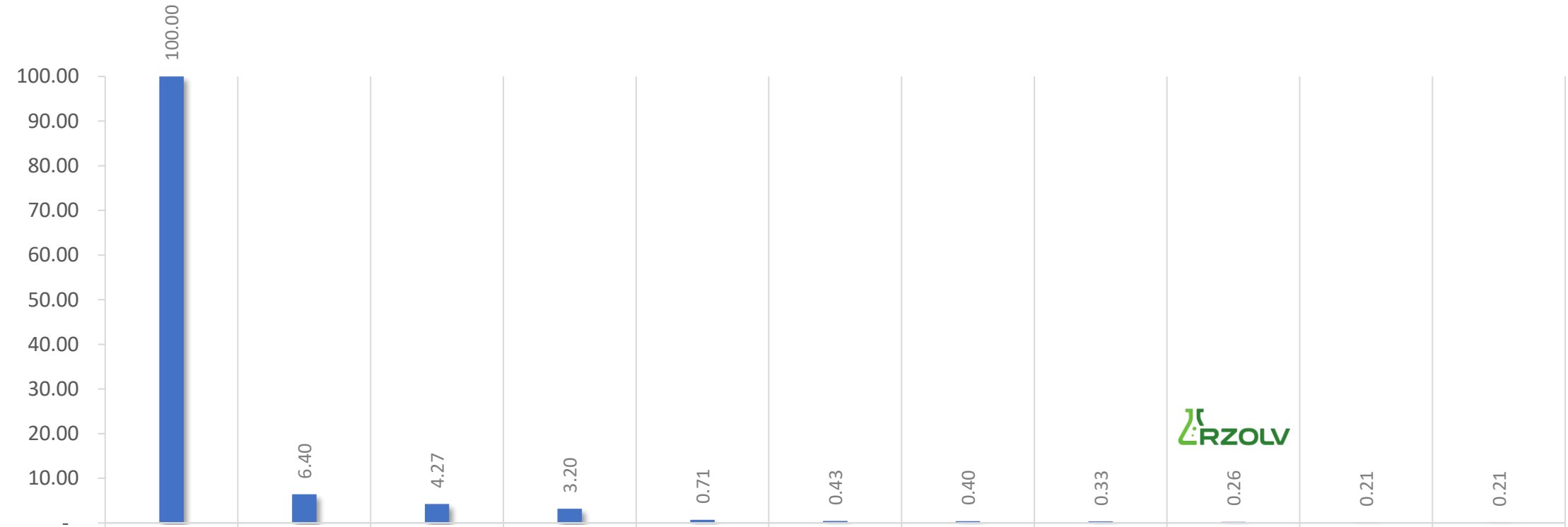
A dilute barren solution of RZOLV is pumped into the orebody to dissolve the gold in the deposit.

The gold-bearing solution is pumped back to the surface and passed through activated carbon to capture the gold in solution.

The solution is recycled and reinjected for the duration of the leach cycle.

Low Toxicity Levels

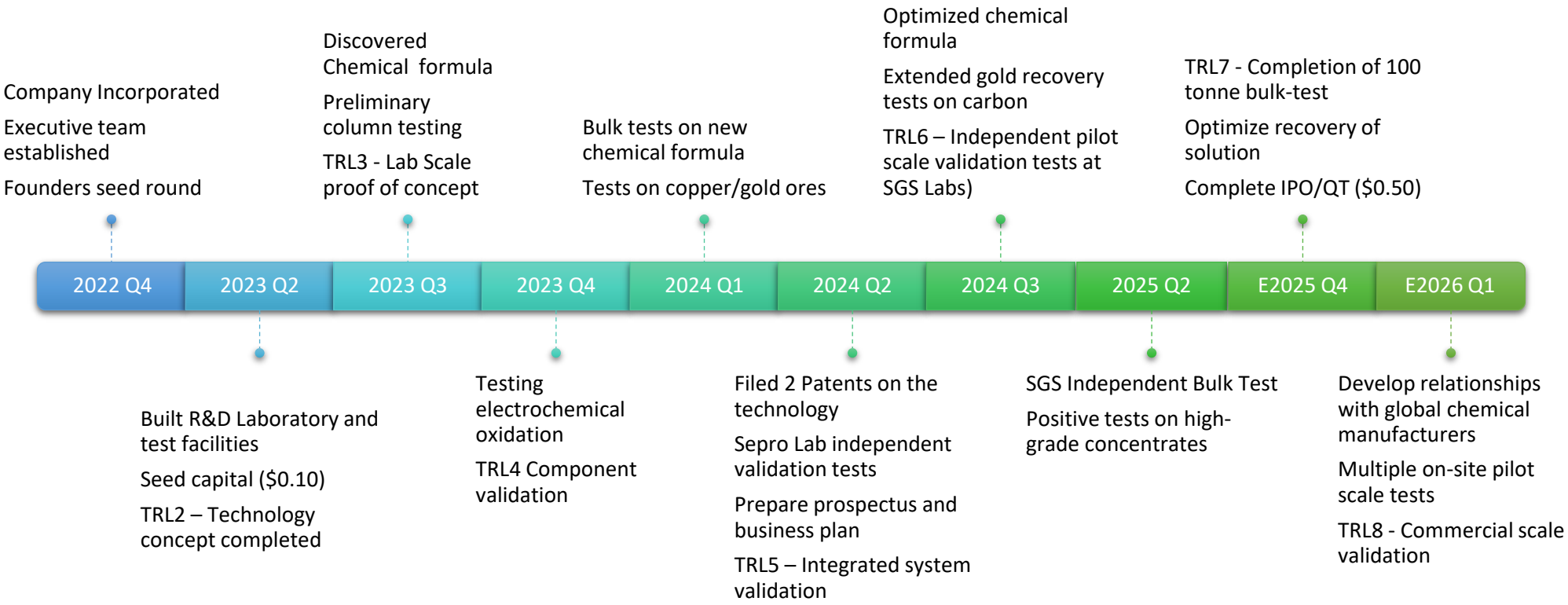
TOXICITY LEVEL (LD50) COMPARATIVE MATRIX ((100/X)*6.4)



	Cyanide	Cocaine	Lead	Caffeine	Morphine	Aspirin	Vanilla	Tylenol	RZOLV	Citric Acid	Salt
Toxicity	100.00	6.40	4.27	3.20	0.71	0.43	0.40	0.33	0.26	0.21	0.21

Development Timelines

Value Drivers



Proven Executive Team

Board of Directors & Advisors

Robert (Bob) Archer, P. Geo - Mr. Archer has more than 40 years' experience in the mining industry, working throughout the Americas. After spending more than 15 years with major mining companies, Mr. Archer held several senior management positions in the junior mining sector and co-founded Great Panther Mining Limited, a mid-tier precious metals producer.

Michael Cowin, Director - Mr. Cowin is the Principal of Corom Funds Management, an entity managing family office investments. He is also a director of Queens Road Capital He has an MBA from the Australian Graduate School of Management and Bachelor of Chemical Engineering from the University of New South Wales.

Mary Ellen Thorburn - Ms. Thorburn is a seasoned corporate finance executive and board director with over 20 years of experience across the global mining sector and capital markets. She spent seven years at Barrick Gold Corporation, including as Director of Capital Projects. Her prior roles include Chief Financial Officer of Eco Oro Minerals, and Vice President of Finance at Great Panther Silver.

Chester F. Millar, Advisory Board - Chester Millar, as an inductee of the Canadian and Mexican Mining Hall of Fame, has few equals as a builder of junior companies. He discovered and founded the Afton Mine, served as Founder and Chairman of Glamis Gold and was sold to Goldcorp for $8.6B. He is the true pioneer of heap & vat leaching which now accounts for 50% of all global gold production.

William R. Sheriff, Advisory Board – Bill is an entrepreneur and visionary with over 40 years' experience in the minerals and the securities industries and has been responsible for several successful businesses including EMC (MCAP $2.0B). And **enCore Energy**, currently USA's largest Uranium producer MCAP $1.0B.

Executive Team

Duane Nelson, President & CEO - Mr. Nelson was the founder, and Director of **EnviroMetal Technologies** Inc. Mr. Nelson stepped down from EnviroMetal in 2022 with a vision to build a unique, clean-tech-focused gold mining company. He was the CEO and co-founder of **SilverMex Resources** Inc., a past TSX listed gold and silver producer which was sold for **$235M**.He is also the founder of **Quotemedia**, one of the worlds largest market data provider.

Mark Orsmond, CPA.,CA., Chief Financial Officer – Mr. Orsmond is a seasoned Business and Finance executive with more than 25 years of proven success in several prominent mining and technology companies. Mark previously served as Chief Financial Officer of the Corix Group of Companies, CFO of Minco Mining, VP Corporate Development for Minco Silver, and director of Keegan Resources.

Hanif Jafari – Chief Technology Officer (CTO) - A distinguished expert in mining and mineral processing, Hanif Jafari holds a Master of Engineering from the University of British Columbia and has over 15 years of experience in hydrometallurgical research and process design.

Reza Kafaei – Chief Innovation Officer (CIO) - With a background in mineral processing and metallurgical laboratory analysis, Reza Kafaei holds a Master's degree in Mining Engineering and has 10 years of experience in optimizing metallurgical processes, data analytics and process automations.

Marien Segovia – Corporate Secretary - Ms. Segovia has 20 years of experience in the administration of public companies and is well versed in all aspects of Corporate Compliance and Governance frameworks, administration, statutory and regulatory requirements, managing corporate records, and shareholder engagement.

GLAMIS GOLD LTD. SILVER STANDARD enCore energy America's Clean Energy Company™ GREAT PANTHER SILVER LIMITED SILVERMEX RESOURCES INC PRETIVM

Summary

- **Exclusive** and **disruptive** technology for an **established $400B gold sector**
- Offers the **only** cost-effective alternative to **$3B** cyanide sector
- **Motivated client base -** actively seeking alternatives
- Formula **independently validated** by external labs
- Full-scale commercial **bulk-testing underway**
- Company offers early-stage **clean-tech growth**
- Positive results on **Critical Minerals** and **Rare Earth Elements**
- **Strong industry relationships**

Industry Comps

	COMPANY	WEBSITE	CORE TECHNOLOGY STAGE	MCAP (USD) (millions)
RZOLV	RZOLV Technologies	https://www.rzolv.com/	Developing alternative to cyanide for precious metal extraction. Commercial stage 500 tonne test plant under construction with results expected Q3 - 2025	$22
CVW CLEANTECH	CVW Cleantech Inc.	https://cvwsustainableroyalties.com/	CVW CleanTech is a sustainable royalty platform that invests in innovative technologies which provide returns linked to commodities	$154
Tantalus	Tantalus Systems	https://tantalus.com/	Tantalus is a technology company dedicated to helping utilities modernize their distribution grids	$174
mint	Mint Innovation	https://www.mint.bio/	Mint Innovation uses naturally occurring biomass, hydrometallurgy and smart chemistry to carefully extract green metals from waste.	$194
ph7	PH7 Technologies	https://ph7technologies.com/	Vancouver-based cleantech company focused on sustainable platinum group metal extractionfrom catalytic converters	$200
AMAERO	Amaero Advanced Materials	https://amaeroinc.com/	Amaero is developing a critical metals powder manufacturing facility targeting production of alloy powders for mission-critical defence and space applications	$210
Anaergia	Anaergia Inc	https://www.anaergia.com/	Anaergia Inc is engaged in the generation of renewable energy from biogas through advanced anaerobic digestion of organic residues	$237
ABTC	American Battery Tech	https:americanbatterytechnology.com	Battery recycling technology startup that employs a hydrometallurgical process to recycle batteries to extract raw materials from primary resources	$280
MTM CRITICAL METALS	MTM Critical Metals	https://metalliuminc.com/	The proprietary process enables single-step extraction of critical, strategic metals from electronic waste and mineral concentrates	$383
Silex	Silex Systems Ltd.	https://www.silex.com.au/	the production of high-value alloy powders for mission-critical defence and space applications	$670
Alpha HPA	Alpha HPA Ltd.	https://alphahpa.com.au/	Producing ultra-high purity alumina (HPA) and related premium aluminium materials through a proprietary solvent extraction (SX) and refining technology	$680
enviri	Enviri Corporation	https://www.enviri.com/	a global, market-leading provider of environmental solutions for industrial and specialty waste streams	$727
ucore	Ucore Rare Metals	https://ucore.com/	Ucore Rare Metals Inc. is focused on rare and critical-metal resources, extraction, beneficiation, and separation technologies.	$820
IPERIONX	Iperionx Limited	https://iperionx.com/	125 TPA Titaniuam demonstration facility in Virgina. Producing first metal	$1,090
JETTI	Jetti Resources Inc.	https://www.jettiresources.com/	Catalytic technology enhances copper recovery from low grade chalcopyrite	$2,500

Bulk Test 01

Too good to be True

“That sounds too good to be true…”

We are in good company……

RZOLV
TECHNOLOGIES

The dawn of sustainable metal extraction...

(TSXV:RZL)