

A New Dawn, A New Day

The Future Is Here: Mining Gold Without Moving a Rock
Non-Invasive Mineral Extraction Technology





COMPUTERS EVOLVED INTO THE FUTURE



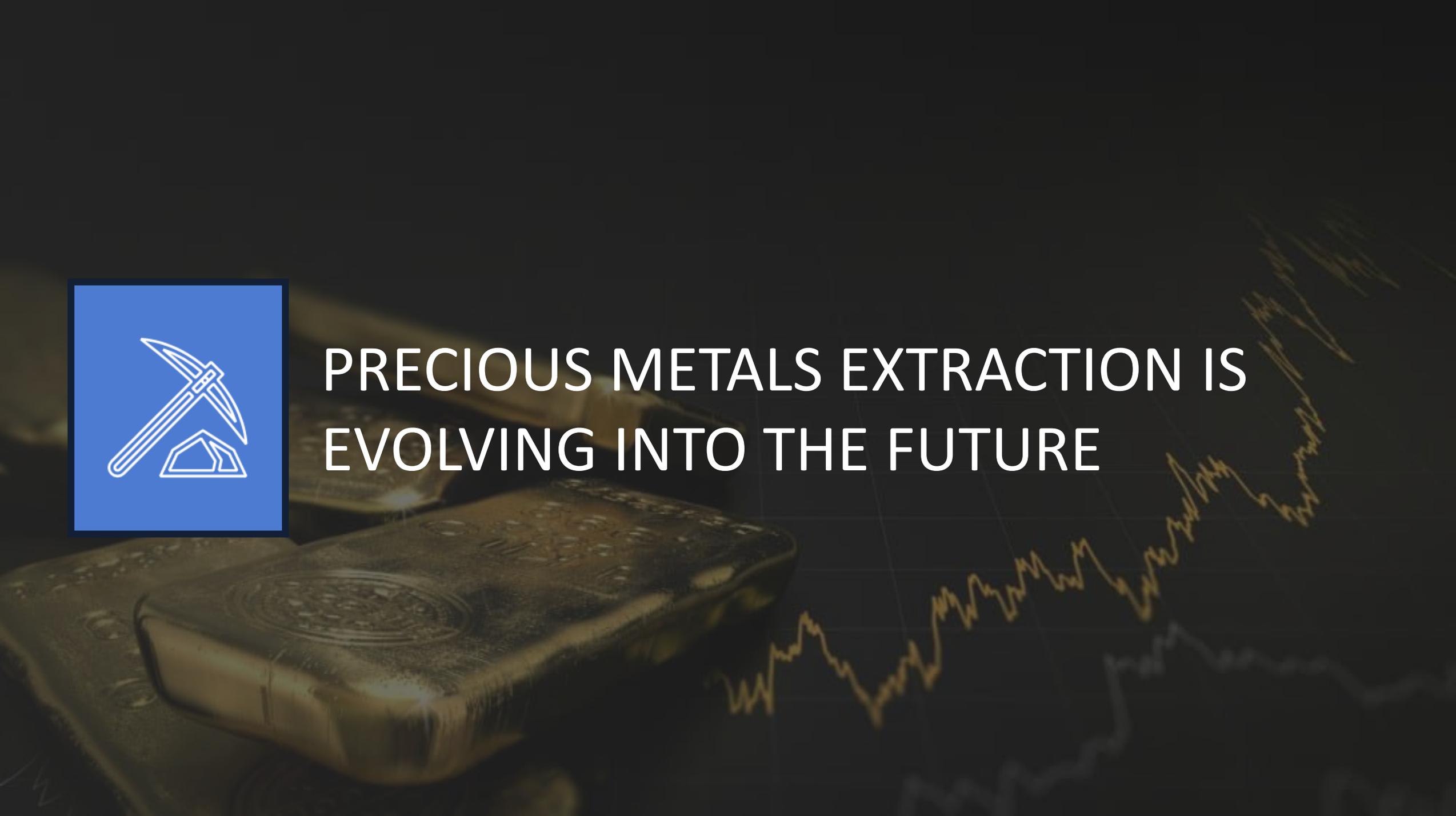


NON INVASIVE SURGERY EVOLVED INTO THE FUTURE



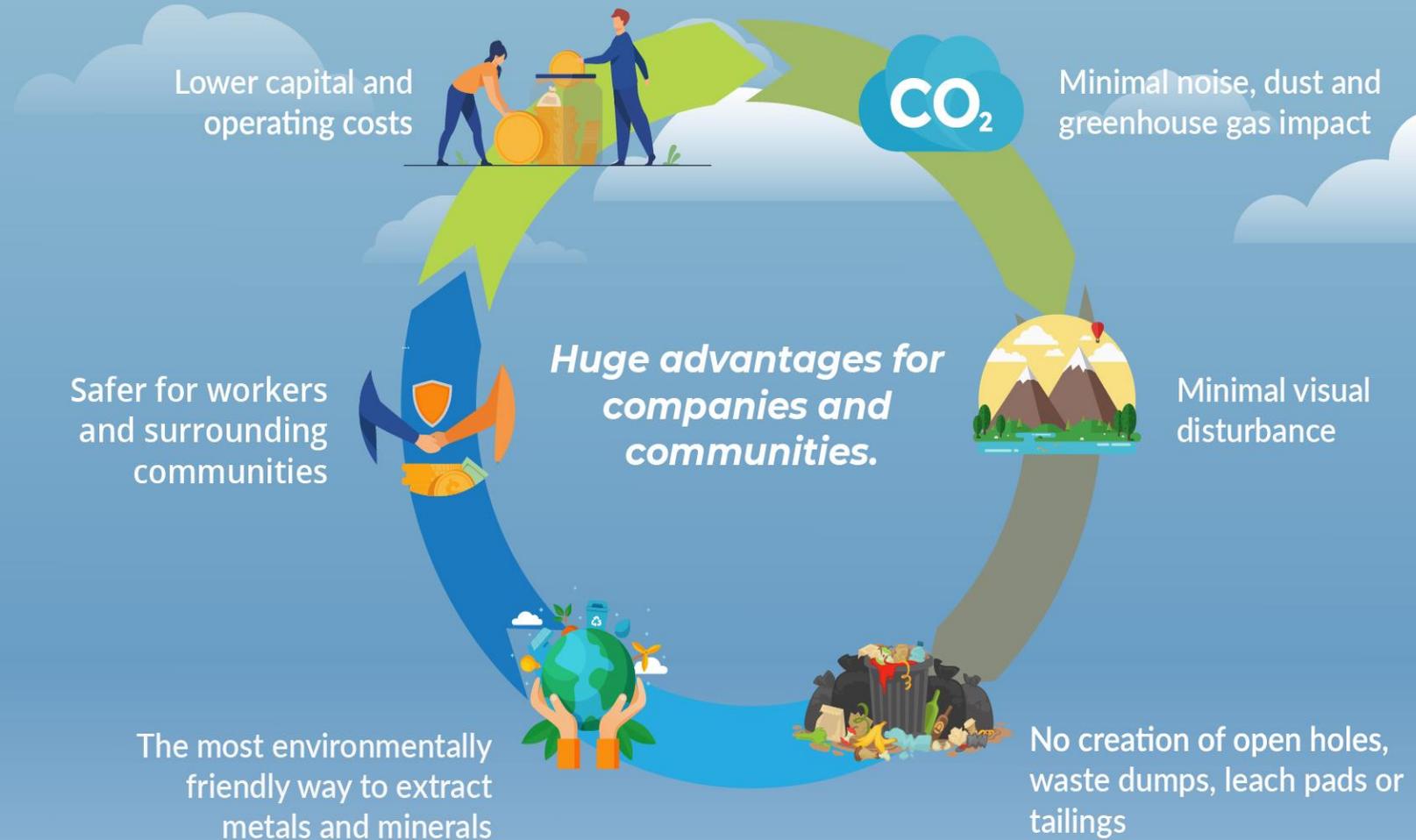


PRECIOUS METALS EXTRACTION IS EVOLVING INTO THE FUTURE



Group 11 Technologies, a private company advancing the combination of a non-invasive mineral extraction ('ISR' or 'in-situ recovery') with eco-friendly water-based chemistry

Benefit: an environmentally friendly closed-loop cyanide-free process.

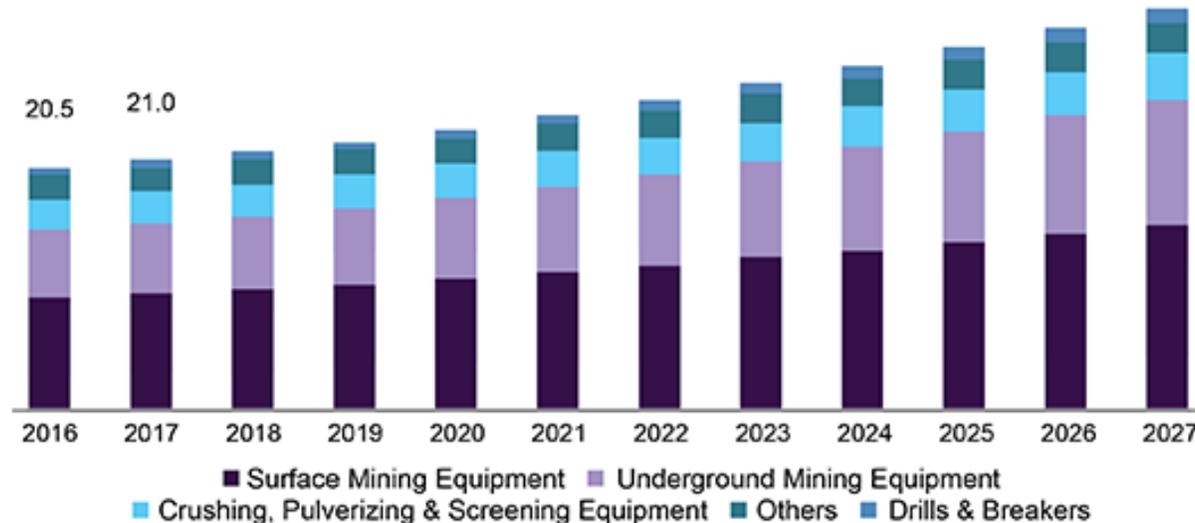


The Challenge in the Mining Industry

- Environmental concerns to address decarbonization in the sector, clean air technology, minimizing environmental footprints and water use
- Continually increasing demand for commodities and increasing costs
- Demand from investors to be more environmentally and socially responsible



U.S. mining equipment market size, by equipment, 2016 - 2027 (USD Billion)



Source: www.grandviewresearch.com

The Opportunity

- 'First to market' potential of environmentally friendly extraction technology in the gold sector
- Technology development offers innovative solutions led by industry experts
- Builds on proven application - the world's first successful initial on-site testing, by GR11 team, utilizing the eco-friendly water-based chemistry in a smelter replacement (SRU)



What We Do To Meet the Challenge

Changing the way the world recovers
GOLD...solution-oriented technology development
combining in-situ recovery (in place mining) with an
eco-friendly water-based chemistry

- ✓ Committed to leading the development and application of environmentally and socially responsible mineral extraction.
- ✓ Provide an alternate solution to conventional open pit and underground mineral extraction
- ✓ Provide an alternative to conventional mills & smelters for mineral processing



Founding Partners *Corporate Ownership*

EnCore Energy Corp. (EU)
40%

ISR technical
expertise in development &
application of in-situ recovery
technology

EnviroLeach Technologies (ETI)
40%

Use of license for chemical free
water-based chemistry
and technical assistance

Golden Predator Mining (GP)
20%

Secondary Recovery Unit (SRU)
development to potentially
replace the smelter process,
proven application of water-based
chemistry*

* SRU – developed and tested by Golden Predator – successfully demonstrated recovery of gold and silver from sulfide concentrate potentially replacing the smelter process.

Who We Are *Board of Directors*

William M. Sheriff, Director - founder and Executive Chairman of enCore Energy Corp, a co-founder of Group 11

Duane Nelson, Director - the founder and Chief Executive Officer of EnviroLeach Technologies Inc, a co-founder of Group 11

David Morgan, Director - a renowned precious metals analyst, he has appeared on media outlets including Fox Business, CNBC, Wall Street Journal and BNN Blomberg

JeanAnne K. Hauswald, Director - Managing Partner of Solo Management Group, previous Director of Constellation Brands and Vice President and Treasurer of the Seagram Company

Janet Lee-Sheriff, President & Director - co-founder of Group 11, as CEO of Golden Predator lead the world's first on-site test of thr ETI eco-friendly formula in an SRU (smelter replacement).

Who We Are Technical Team

Dennis Stover, Ph.D., Chemical Engineering Group 11 Chief Technical Officer, Expert in ISR development, design and operation having co-invented original ISR applications and holder of 6 ISR patents

Hanif Jafari, M.Sc., Mineral Engineering & Mining CTO at EnviroLeach Technology (ETI), extensive experience in extractive metallurgy, hydrometallurgy and process design

Guy Lewis, Explosives Engineering Expert in advanced explosive design and application; rock mechanics and in-place rubbleization

Mark Pelizza, M.Sc., Geological Engineering Expert in ISR permitting, application and operation with 40 years in the uranium industry

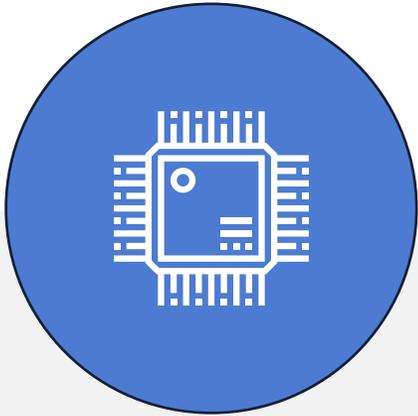
Peter Poston, Ph.D., Chemistry Geologist and retired Professor of Chemistry led extensive research focused on environmental geochemistry, Laser Raman Spectroscopy, XRF and Nanotechnology

Colin Craft, Materials Processing Expert in materials handling, milling and metals processing. Pioneered the first mill-site application of a secondary recovery unit (SRU) utilizing ETI's cyanide free gold recovery system

Joseph Harrington, Graduate Research, Metallurgy National award-winning expert in mine-related reclamation holding 6 patents on in-situ metal immobilization of metals in groundwater, pit-lakes, soils and disturbed rock

Our Strengths

THE WORLD'S LEADING EXPERTS IN NON-INVASIVE EXTRACTION TECHNOLOGY



The EU team members, led by Dr. Dennis Stover (co-discoverer of ISR process and patent holder on 6 ISR uranium applications), are recognized world experts in in-situ metal recovery with over 50 relevant technical publications and numerous patents in ISR and innovative metal recovery technology bringing expertise and practical experience to Group 11.



The ETI team brings chemical and metallurgical expertise in the development and commercialization of environmentally friendly technology proven in its ability to extract precious metals. Their expertise will guide the application and use of diluted water-based chemistry in the SRU and ISR applications.



A strong technical team to operate modular or mobile plants and batch processing units. Operational and corporate support, intensive knowledge of mineral projects in the Western US and Canada.



Areas of specific technical team expertise include Chemical Engineering, Hydrometallurgy, Mining Engineering, Geology, Organic Chemistry, Inorganic Chemistry, Hydrology, Blasting and Rock Mechanics, Construction, Reclamation & Mechanical Engineering

Why We Accept The Challenge

The precious metals mining industry faces challenges to balance economics and environmental impacts.

The Challenge:

To address the growing global need for metals in an evolving environmentally-conscious world and exacting environmental standards including:

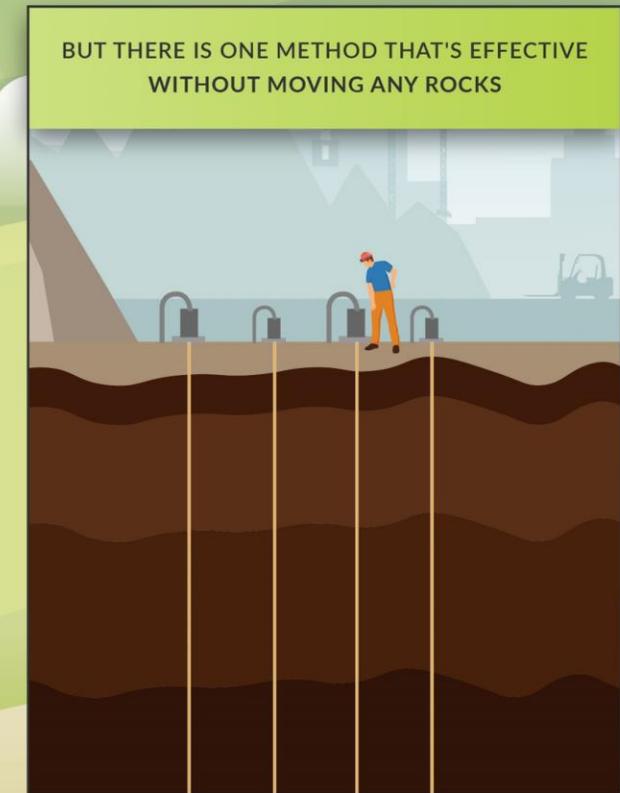
- Environmental footprint
- Carbon footprint and clean air technology
- Use of cyanide & mercury
- Water use and discharge
- Smelters



What is ISR (In-Situ Recovery)

- ISR is a form of In Place Mineral extraction which recovers minerals, without moving a rock and without long term negative surface and water table impacts.
- In controlled, closely-monitored environments, wells are utilized for injection and recovery.
- In-Situ Recovery was pioneered in the uranium sector in the 1970's involving the scientists and experts within the EnCore Energy team.
- A proven technology utilized by over 50% of the US uranium producers, ISR is now a dominant recovery method transforming the sector and expanding into the copper sector.
- Adheres to strict environmental guidelines in US states with regulations for in ground applications.

WHEN MOST PEOPLE THINK OF GOLD
EXTRACTION, THEY IMAGINE:



HOW ENVIRONMENTALLY-FRIENDLY

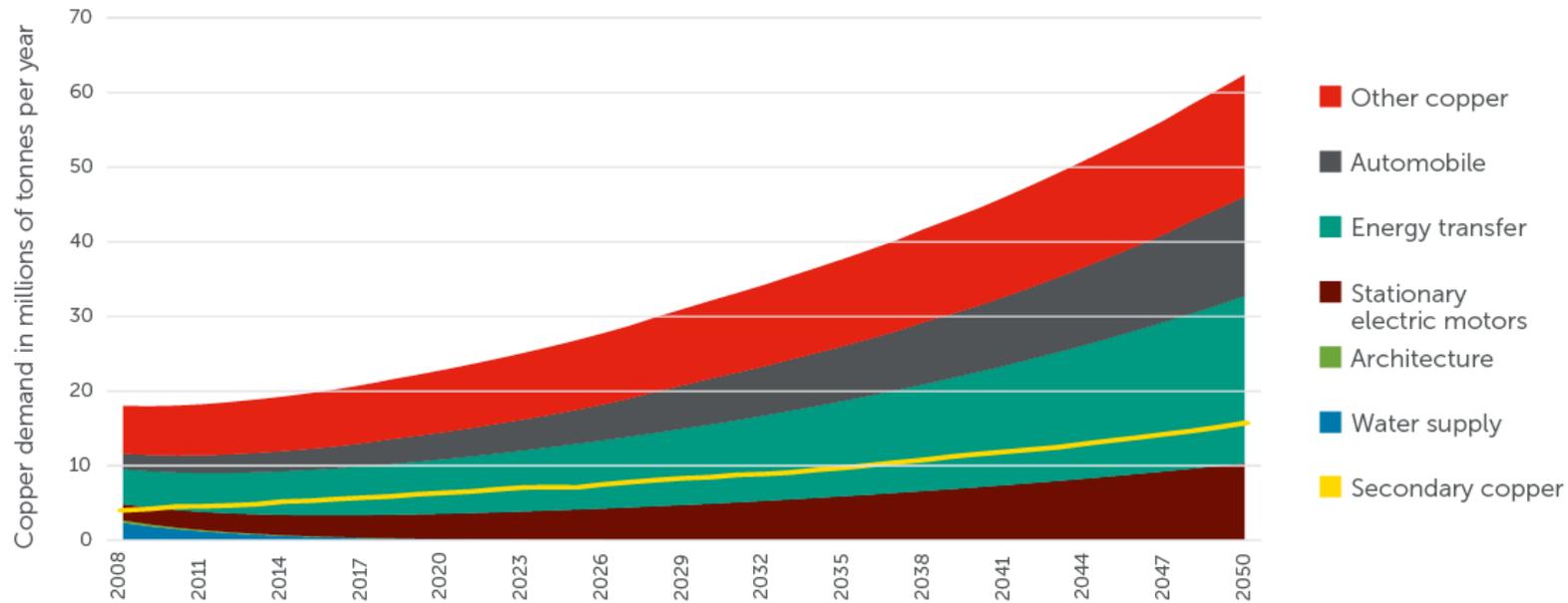
EnviroLeach Technologies provides Group 11 exclusive license for its water-based chemistry for ISR and SRU development and application. The patent-protected formula is a proven alternative to cyanide and smelters in the recovery of gold and silver from concentrates.

- ✓ Environmentally benign and recyclable
- ✓ All ingredients patented formulas are **FDA approved*** for human consumption and essential to human health
- ✓ Domestically sourced & cost-effective
- ✓ Led by a strong team of scientists and engineers committed to continual product development and advancement



The World Demands Metals and a Clean Environment

Estimated copper consumption until 2050



Source: Fraunhofer ISI, Copper for future technologies, July 2010

Issue – Cyanide and Mercury:

These industry standard chemicals are efficient and cost effective, generally well managed but there are concerns about environmental impact.

Issue– Commodity Demand:

Increasing as technology changes towards energy efficient applications

Issue – Ore Quality: As demand increases and grades reduce, longer haul times and waste ratios, expanding mine pits and waste piles increasing environmental impact, CO² emissions and energy consumption

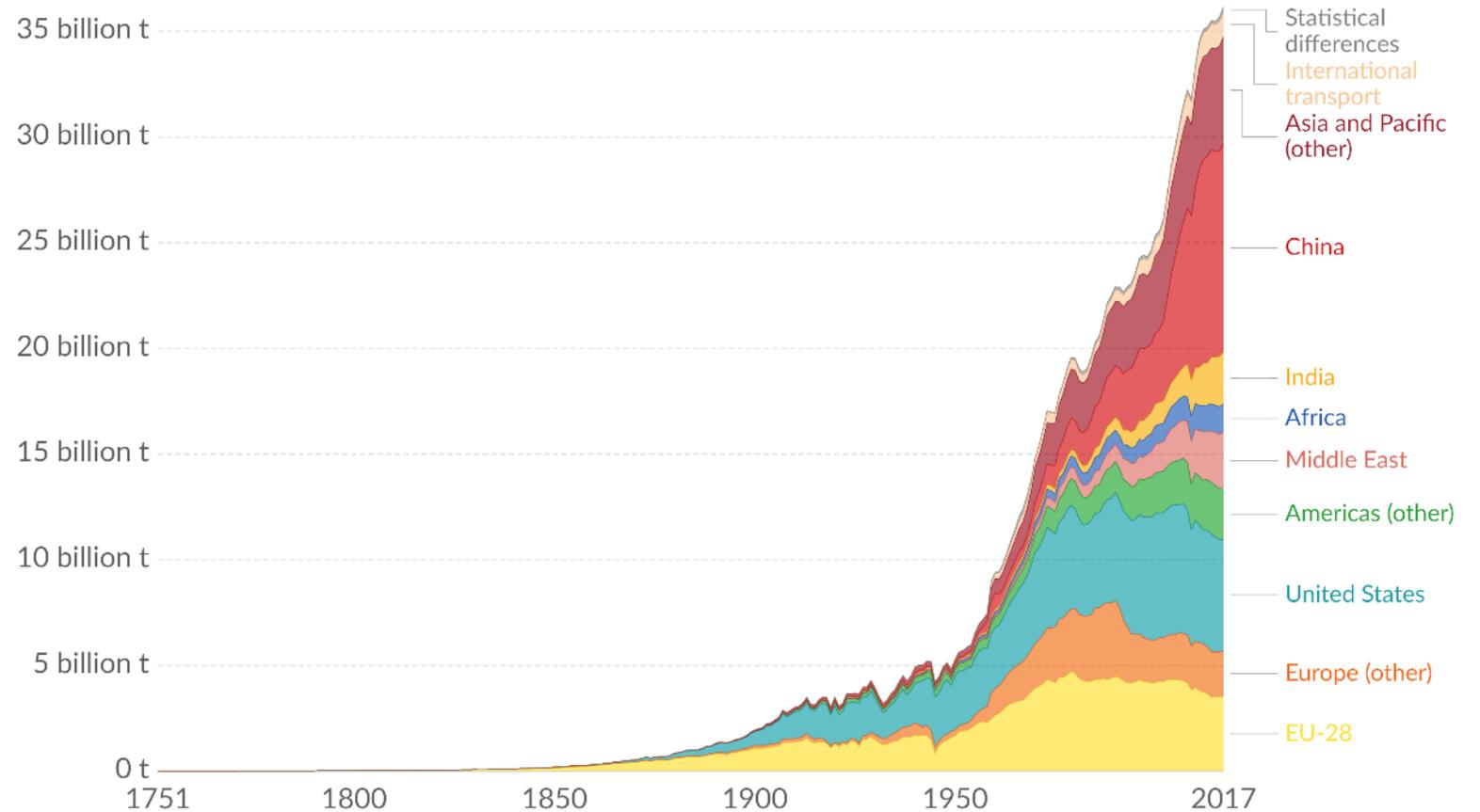
Solution: Group 11 Technologies use of a recyclable eco-friendly solution and non-invasive extraction.

Issue – CO² emissions: Globally 28,000 mine hauling trucks emit 68 million tons of CO²/year – equivalent to the total greenhouse gas of Finland.

Issue – Water Use: This expensive shared and finite resource is a growing source of conflict under increasing pressure to ensure access by all users. ISR uses significantly less water than conventional mining.

Solution: Group 11 Technologies proposal combines in-situ recovery with an eco-friendly water-based chemistry creating a closed loop system to minimize water use with a near net zero solution (eliminates mine trucks).

Annual Total CO₂ Emissions, by World Region

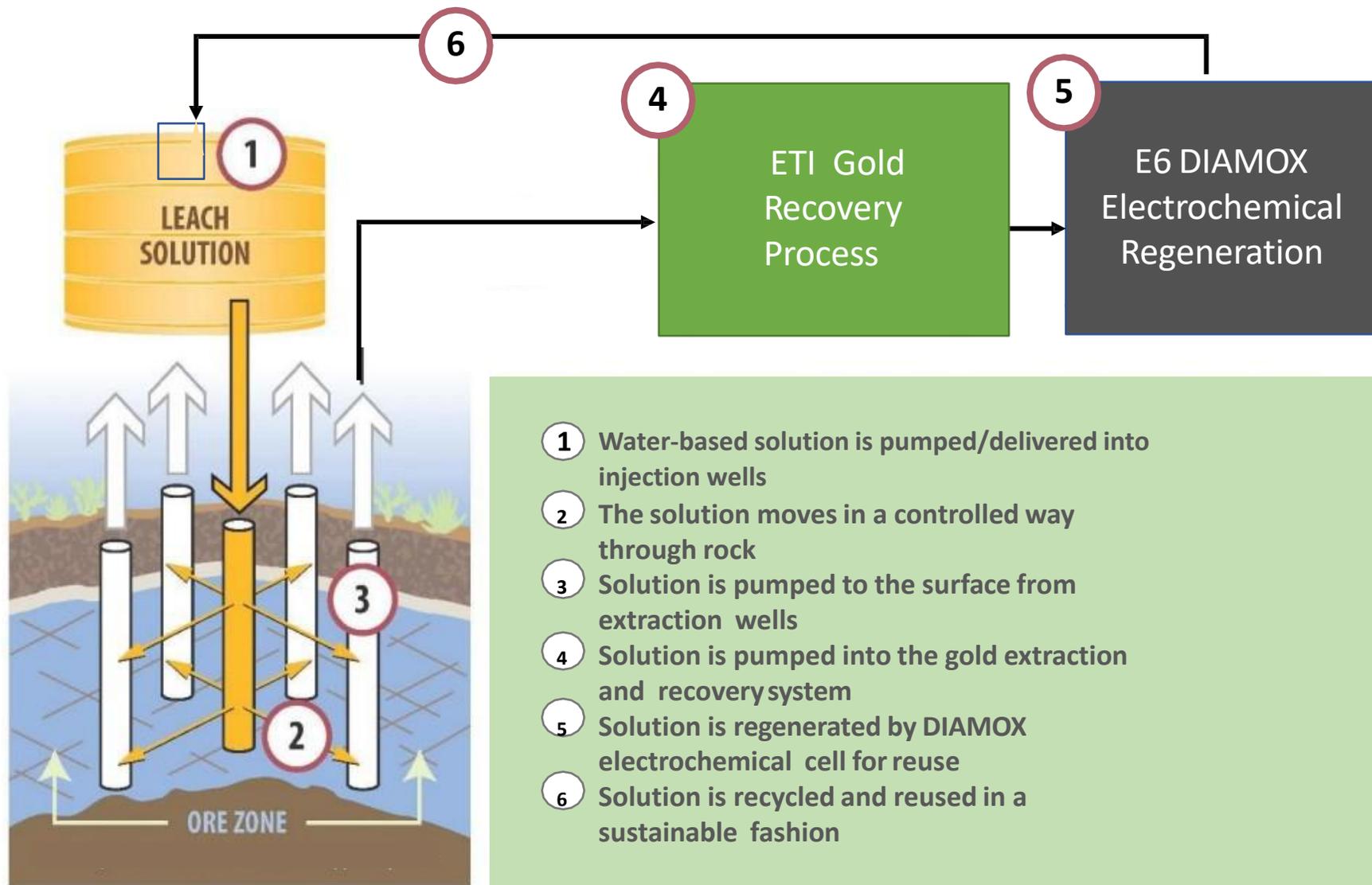


Source: Carbon Dioxide Information Analysis Center (CDIAC); Global Carbon Project (GCP)
Note: The difference between the global estimate and the sum of national totals is labeled "Statistical differences".
OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY



The Future of Gold Mining...

Non-Invasive In-Situ Gold Recovery...

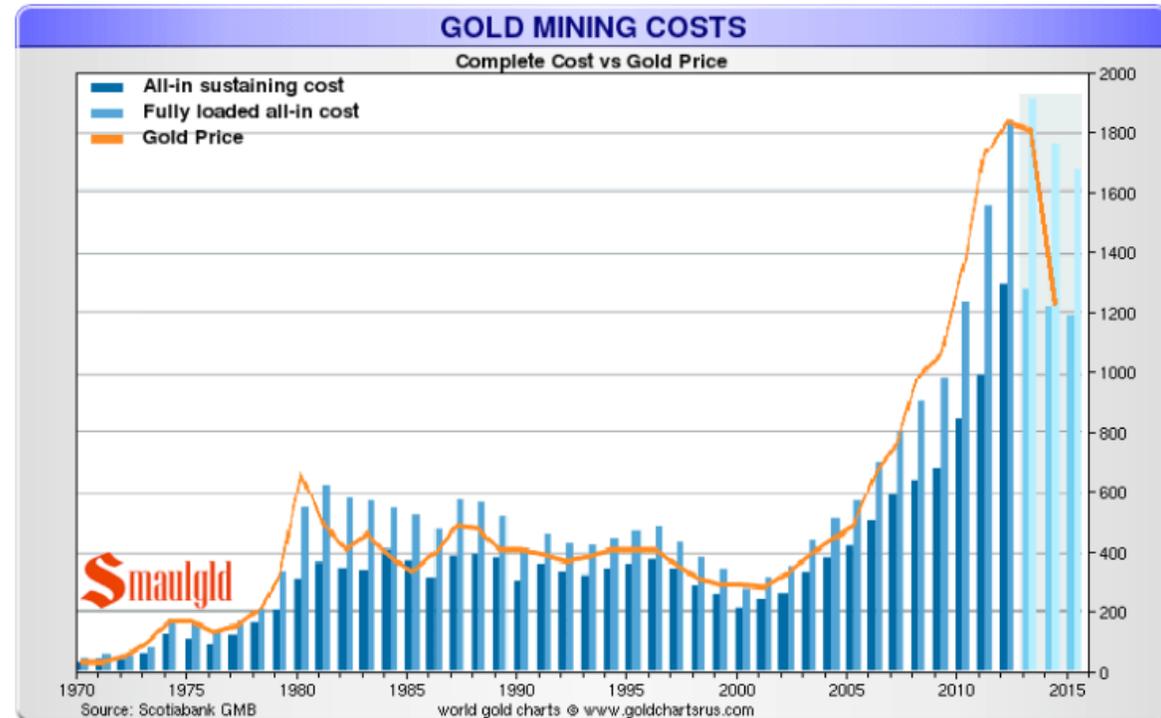




The Future of Gold Mining...

Economic Advantages

- ISR treatment plant and wellfields are a small fraction of the cost and surface disruption compared to constructing shafts, open pits or declines to reach the same depth of mineralization
- Additional cost of lateral/directional holes is a fraction of cost of excavation of galleries/tunnels
- Reduced operating costs, equipment, labour, mine remediation costs and timelines



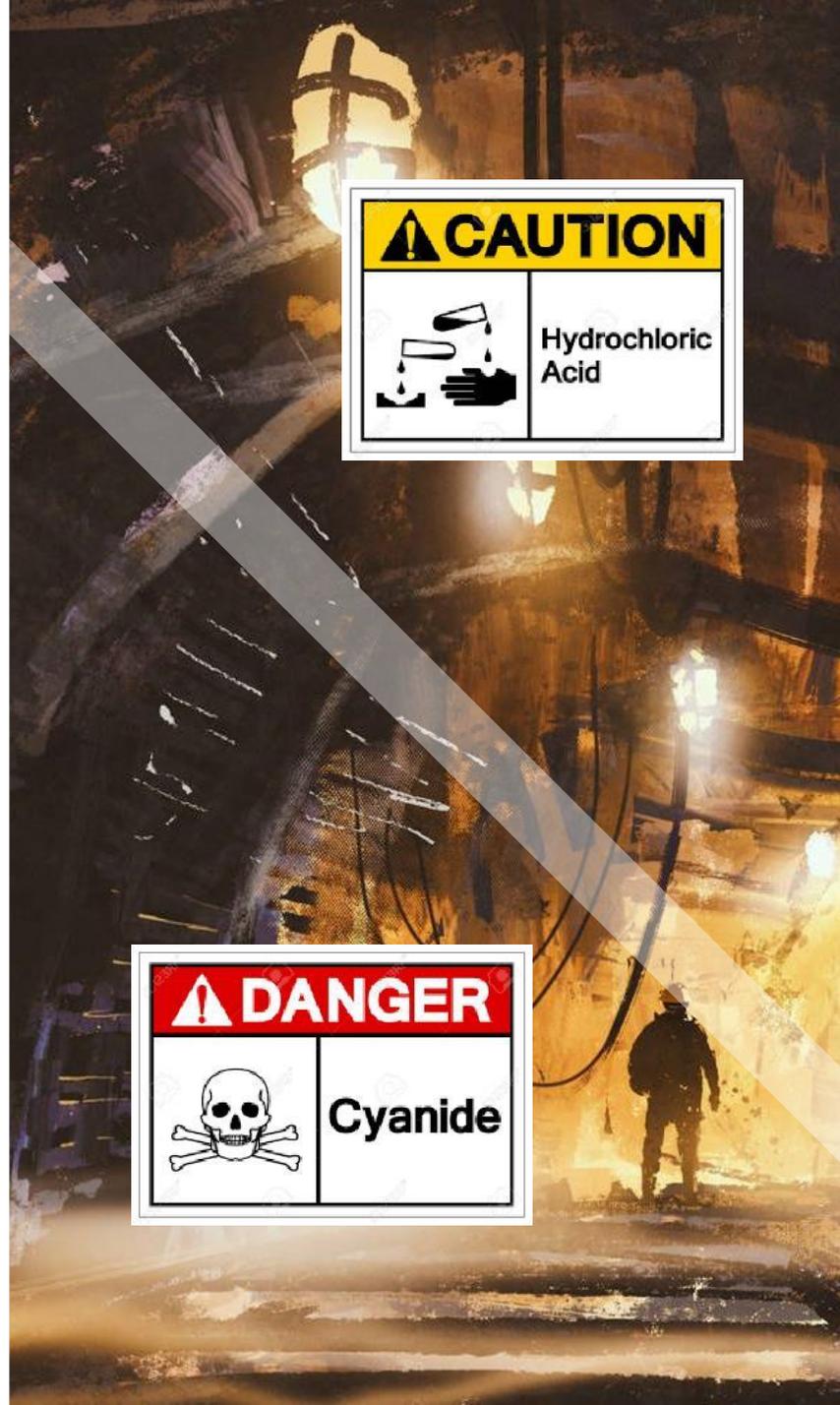
Next Steps

Identification and selection of a suitable test project in a regulated jurisdiction to:

- Provide a wide variety of test parameters based on a comprehensive characterization of the site and environmental setting
- Enable a full assessment of the ISR potential with an eco-friendly solution
- Compile necessary geological data and environmental setting information
- Conduct laboratory testing of drill core to determine amenability for an eco-friendly solution



Mining's Past



CAUTION	
	Hydrochloric Acid



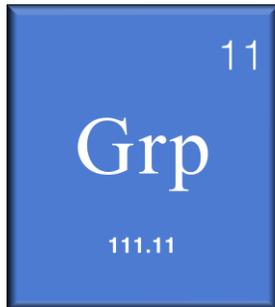
DANGER	
	Cyanide



The Future is Here

Not everything that is faced can be changed, but nothing can be changed until it is faced.

James Baldwin



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***Group 11** is a group of elements in the periodic table, also known as the coinage metals, consisting of copper (Cu), silver (Ag), and gold (Au). They were most likely the first three elements discovered*