



 **enviroleach**
Technologies

*Changing the way the world recovers **GOLD***

Nov 8, 2020

Safe Harbor | Forward Looking Statements

This Presentation contains “forward-looking information” and “forward looking statements” within the meaning of applicable Canadian and United States securities legislation. Statements contained herein that are not based on historical or current fact, including without limitation statements containing the words “anticipates,” “believes,” “may,” “continues,” “estimates,” “expects,” and “will” and words of similar import, constitute “forward-looking statements” within the meaning of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking information may include, but is not limited to, information with respect to our Research and Development activities, the accuracy of our capital and operating cost estimates; production and processing estimates; the results, the adequacy of EnviroLeach’s financial resources and timing of development of ongoing research and development projects, costs and timing of future revenues or profits and adequacy of financial resources. Wherever possible, words such as “plans”, “expects”, “projects”, “assumes”, “budget”, “strategy”, “scheduled”, “estimates”, “forecasts”, “anticipates”, “believes”, “intends”, “targets” and similar expressions or statements that certain actions, events or results “may”, “could”, “would”, “might” or “will” be taken, occur or be achieved, or the negative forms of any of these terms and similar expressions, have been used to identify forward-looking statements and information. Statements concerning future revenue or earnings estimates may also be deemed to constitute forward-looking information. Any statements that express or involve discussions with respect to predictions, expectations, beliefs, plans, projections, objectives, assumptions or future events or performance are not statements of historical fact and may be forward-looking information. Forward-looking information is subject to a variety of known and unknown risks, uncertainties and other factors that could cause actual events or results to differ from those expressed or implied by the forward-looking information. Forward-looking information is based on the expectations and opinions of EnviroLeach’s management on the date the statements are made. The assumptions used in the preparation of such statements, although considered reasonable at the time of preparation, may prove to be imprecise. We do not assume any obligation to update forward-looking information, whether as a result of new information, future events or otherwise, other than as required by applicable law. For the reasons set forth above, prospective investors should not place undue reliance on forward-looking information. The CSE has not approved or disapproved of the information contained herein.

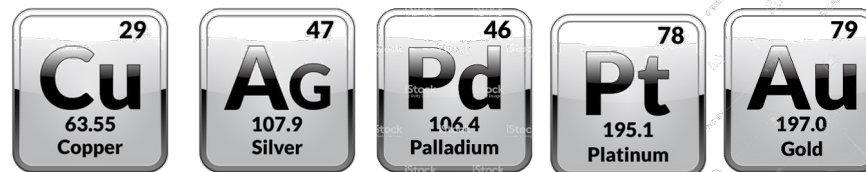


Who is EnviroLeach?

WHO IS ENVIROLEACH...

EnviroLeach is an ESG focused technology company offering a cost-effective and sustainable alternative for the recovery of valuable metals from E-Waste and Gold Ores...

(ESG – Environmental, Social & Governance)





Who is EnviroLeach?

HOW ENVIRONMENTALLY FRIENDLY??

*All ingredients in EnviroLeach's patented formulas are **FDA approved** for human consumption...*





EnviroLeach at a Glance...

ENVIROLEACH AT A GLANCE...



Developed a proprietary and environmentally-friendly printed circuit board assembly recycling technology and have a 3,600 TPA process plant completed.



Developed a proprietary hydrometallurgical chemical reagent for the extraction of gold from PCBAs ores and has been successfully tested at full scale.



EnviroLeach technology uses water and inorganic, recyclable chemistry and is the **ONLY** cost-effective & ECO-friendly alternative to the use of smelters.



Significantly reduced environmental impact and permitting process vs. traditional mining, cyanide, mercury or smelting processes.

Ticker: NASD-EVLLF CSE-ETI
Corporate HQ: Vancouver, BC
Incorporated: 2016
Employees: ~20

Shares Outstanding: 74M
Insiders/Strategic: 18%
52 Week (high/low): CDN \$1.68 - \$0.40
Market CAP: CDN \$33M



Key Business Drivers

KEY BUSINESS DRIVERS...



Industry and planet needs environmentally friendly technology for E-Waste

E-Waste sector dominated by smelters to extract precious metals from recycled printed circuit board assemblies (PCBA)



\$120+Billion addressable gold mining sector needs clean, sustainable alternatives

Gold sector dominated by cyanide and smelters for gold extraction from ores and concentrates



Technology tested at commercial levels at company owned facility

3,600 tonne per annum PCBA facility completed and ramping up



Solid barriers to entry with strong intellectual property and early mover status

Little or no competition offering eco-friendly alternatives in either sector



E-Waste division generating diversified feedstock supply chain

Strong interest globally for cost-effective alternative to the smelting of PCBA's



Go-forward business model with 3,600 TPA PCBA process facility

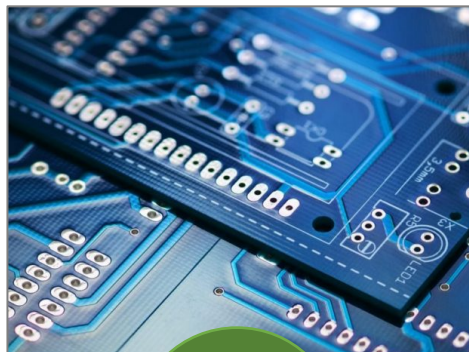
Business model focusses on low-risk global licensing/royalty model



Key Market Drivers...

KEY MARKET DRIVERS...

Gold Mining & E-Waste sectors require sustainable solutions



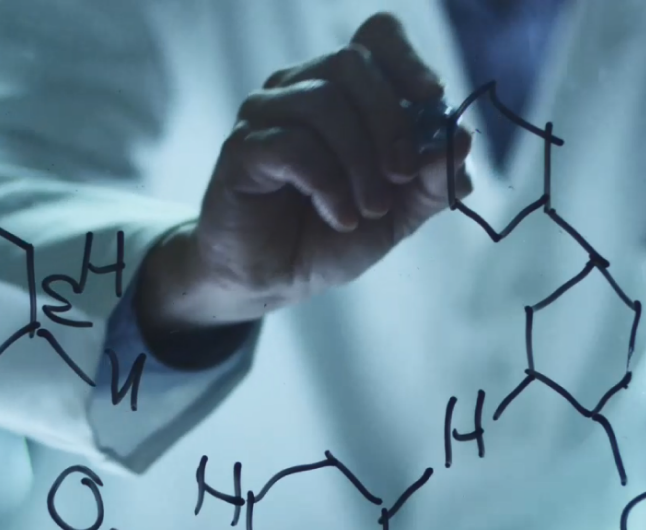
E-Waste is the fastest growing waste stream. Only 25-30% of E-Waste is properly recycled. UN predicts 72M tonnes annually. 96% of the value of E-Waste is in the contained PCBAs.



Smelting is the primary metal recovery process for PCBAs and gold mine concentrates. Smelting is one of the largest sources of CO2E. EnviroLeach is the **only** green alternative.



Cyanide is the primary gold leaching agent. its use in the mining sector is becoming more restricted and opposed. EnviroLeach offers the only effective alternative to cyanide gold mining.



THE ENVIROLEACH ADVANTAGE...

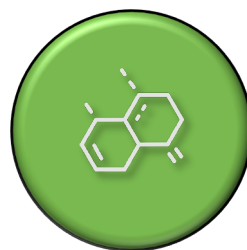
A SIMPLE EQUATION THAT SOLVES A VERY COMPLEX PROBLEM...

Unique inorganic electrochemical formula



WATER

+



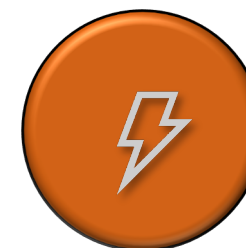
FORMULA

+



DIAMONDS

+



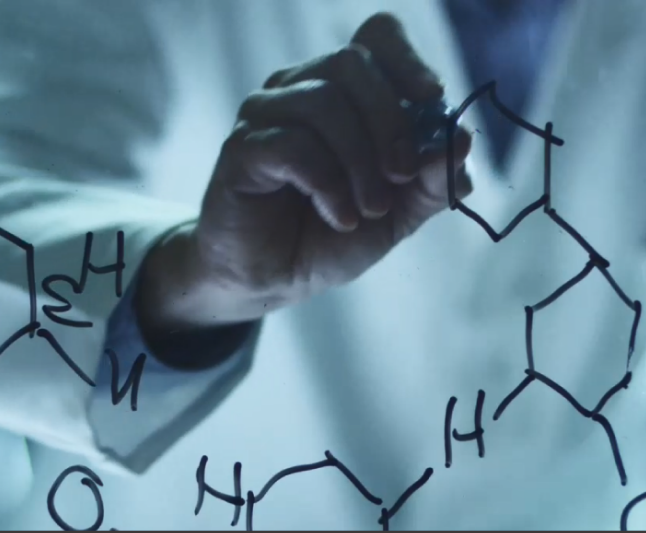
ELECTRICITY

=



SUSTAINABILITY

EnviroLeach
Advantage



THE ENVIROLEACH PROCESS...

STEP 1 DISSOLUTION



Valuable metals in host material are dissolved into proprietary EnviroLeach solution...

STEP 2 EXTRACTION



Metals are recovered from solution using ION Exchange and electrowinning. EnviroLeach solution is regenerated for reuse in next cycle

STEP 3 RECOVERY



Final products are refined into pure marketable form...

EnviroLeach Advantage



Target Markets

APPLICATIONS/TARGET MARKETS...

E-Waste Recycling Sector \$8.5 B Global Market



- Focused on Printed Circuit Board Assemblies (PCBA)
- 166,000 tonnes of scrap PCBAs produced each month
- Global scrap PCBA market expected to reach \$13.34B by 2026
- Cost effective recovery of contained metals (Au, Ag, Pd, Sn, Cu)
- The only eco-friendly alternative to smelting
- Reduction of carbon emissions and logistics compared to smelting
- EnviroLeach would be the only US domestic Solution for PCBA's

Gold Mining Sector \$180 B Global Market



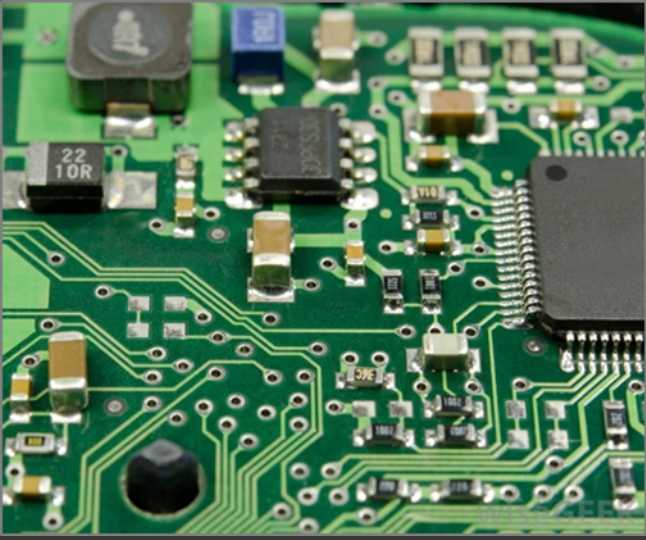
- Gravity and flotation mine concentrates
- High grade whole ore processing
- Non-invasive In Situ Gold Recovery
- High recoveries and fast leach kinetics
- Unlocking value of small deposits
- Lower CAPEX/OPEX



Target Markets

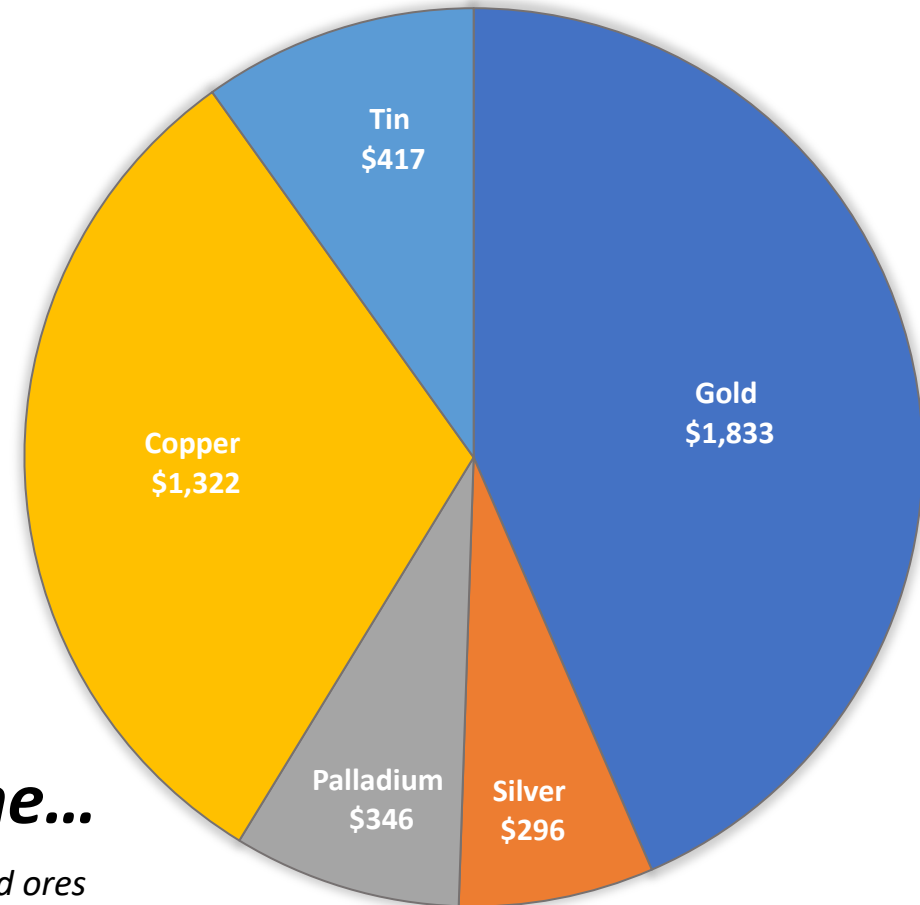


E-Waste/PCBA Recycling Sector...



VALUE OF RECYCLED PRINTED CIRCUIT BOARDS...

Low-grade PCBA Metal Values Per Tonne

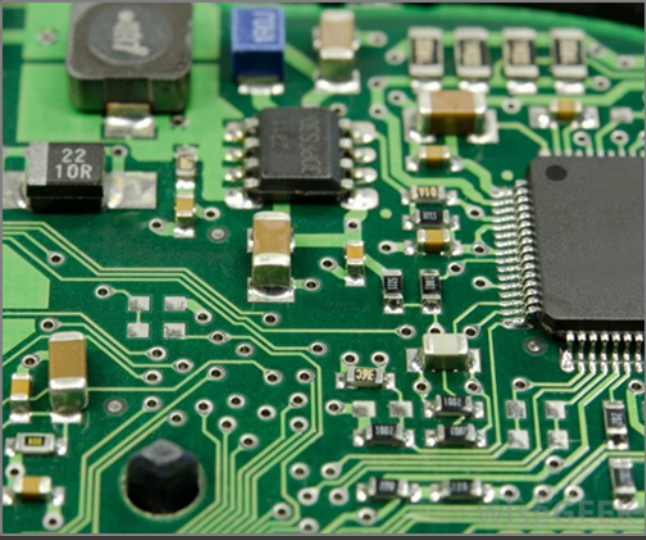


***Typical Value of
Scrap PCBAs is over
\$4,000 USD per Tonne...***

50-70 times the grade of conventional gold ores

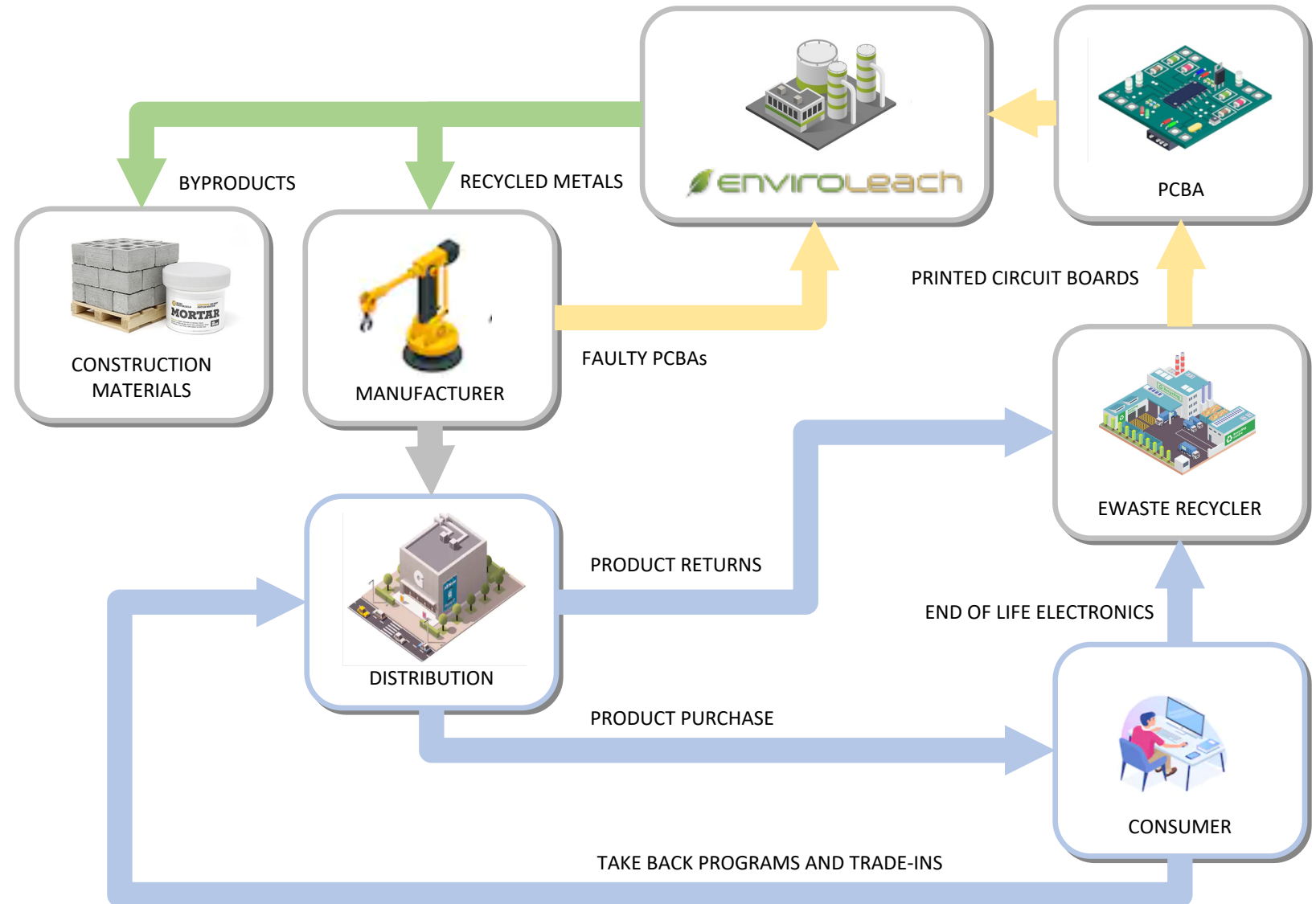
*Assumes the following metal grades: (Au-30 ppm, Ag-450 ppm, Pd-6 ppm, Cu-19%, Sn-3.5%). Economics are estimates only and should not be relied upon. Metal grades are subject to variability by PCBA.

**The Value of
PCBAs...**



The Circular Economy...

THE ENVIROLEACH PCBA CIRCULAR ECONOMY...





E-WASTE/PCBA LICENSING OPPORTUNITIES...

EnviroLeach's vision is to partner globally with existing recycling centers. This will enable recyclers to extract value from PCBA's directly and avoid smelter fees and shipping costs. Hundreds of potential partnerships are already identified.

E-Waste Recycler



EnviroLeach Module



E-Waste recycling centers can drive additional profit by simply adding an EnviroLeach Module...



Licensing & Royalty Benefits

E-WASTE/PCBA LICENSING BENEFITS...

Benefits to existing E-Waste recyclers include:



- In-house production of precious metals
- High payable metal amounts (including the addition of tin value)
- Lower processing costs
- Lower shipping and logistics costs
- Higher revenue from PCBA processing for other regional recyclers
- In-house sorting of PCBAs by category and grade no longer necessary
- Potential revenue from the sale of substrate by-products
- Easy permitting process
- Environmentally friendly and sustainable alternative
- Domestic national solution
- “Green” competitive advantage over other recyclers

E-Waste recycling centers can drive additional profit by adding an EnviroLeach Module...



E-Waste (PCB) Options

ENVIROLEACH VS SMELTERS...

	 <u>SMELTERS</u>	 <u>ENVIROLEACH</u>
Effective recoveries of precious metals	✓	✓
Eco friendly & sustainable process	✗	✓
Low greenhouse gas emissions	✗	✓
Higher payable metals	✗	✓
No minimum shipment amounts	✗	✓
Domestic on-site treatment	✗	✓
Economic tin (Sn) payable recoveries	✗	✓
“Green” Competitive Advantage	✗	✓

COMPLETED PCBA PROCESSING FACILITY...



Commercial PCBA Plant



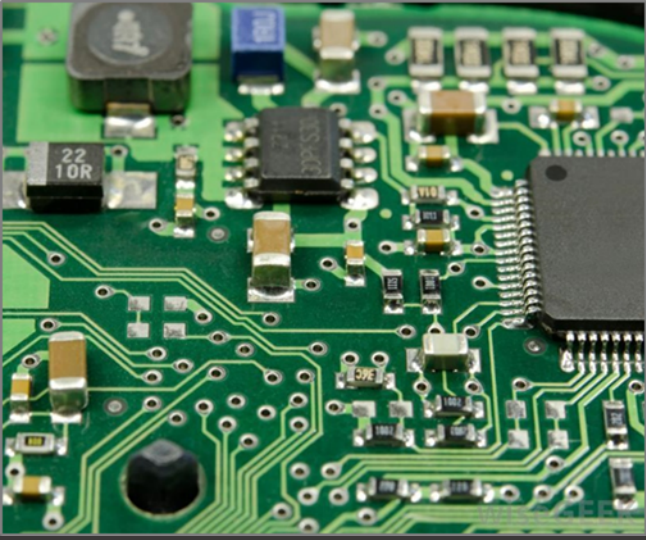
- Fully certified R2/RIOS facility
- Capacity 3,600 tonnes of PCBA per annum
- Size & Location: 26,000 sq ft., Vancouver, Canada
- Identifying and securing global feedstock/offtake agreements
- Establishing partnerships with electronics manufacturers, OEM's and recycling companies
- Modular design



Process Flowsheet

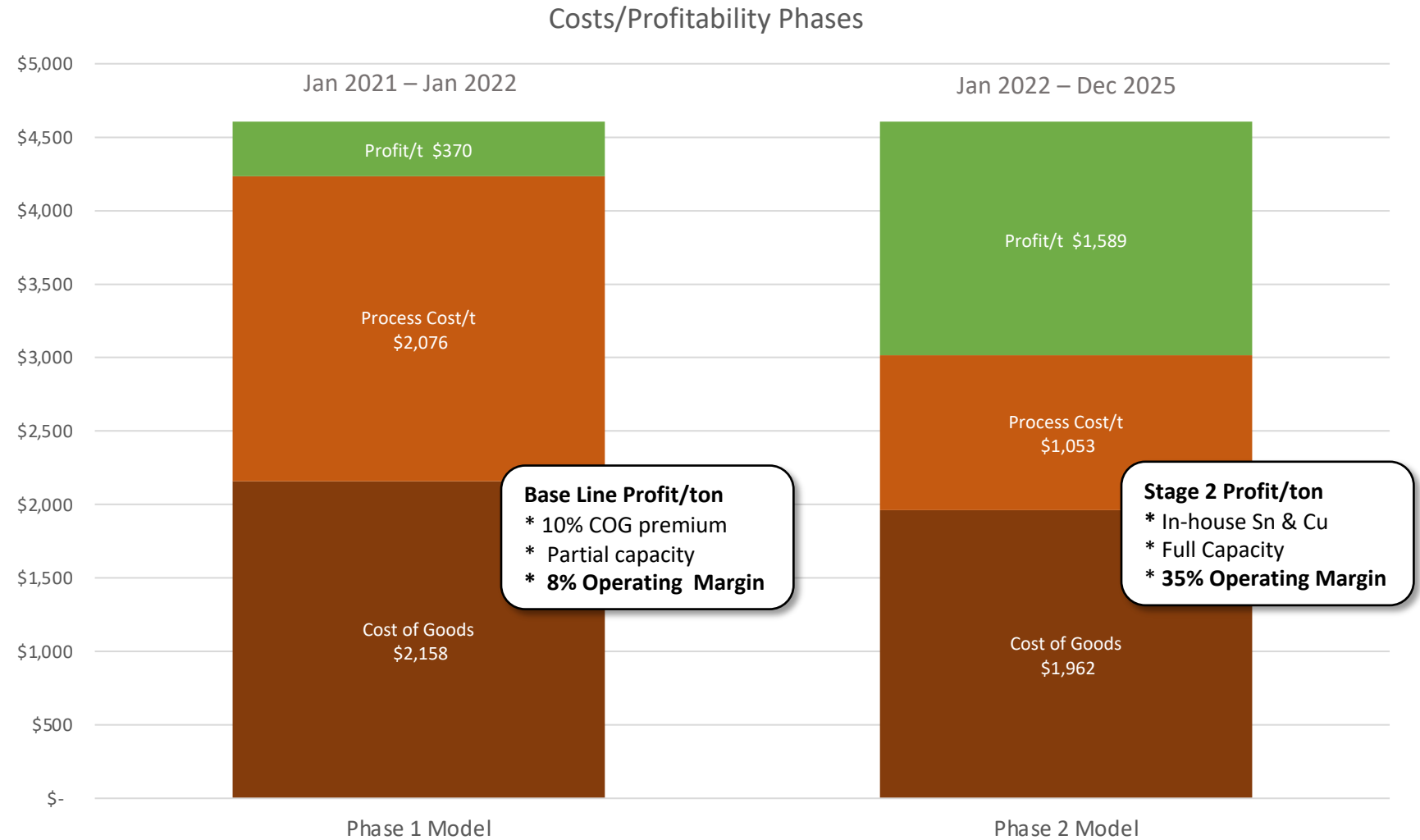
PCBA PROCESSING FLOW SHEET...





Stages of Growth...

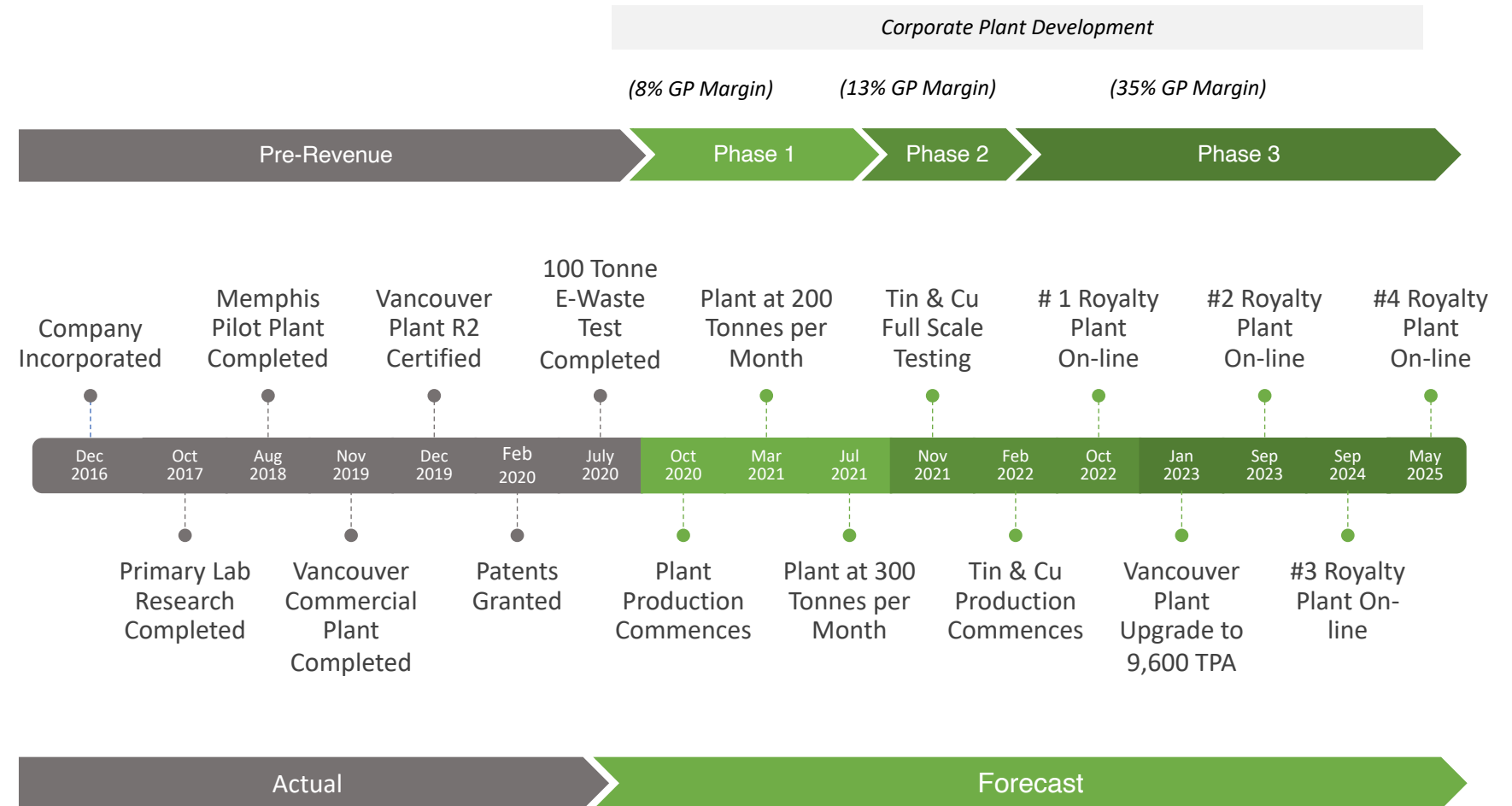
PCBA DIVISION PROFIT STAGE FORECAST ...



*Assumes the following metal grades: (Au-30 ppm, Ag-400 ppm, Pd-5 ppm, Cu-20%, Sn-3.5%). Economics are estimates only and should not be relied upon. Metal grades are subject to variability by PCBA.



E-WASTE DIVISION TIMELINES...



Key Milestones



Target Markets



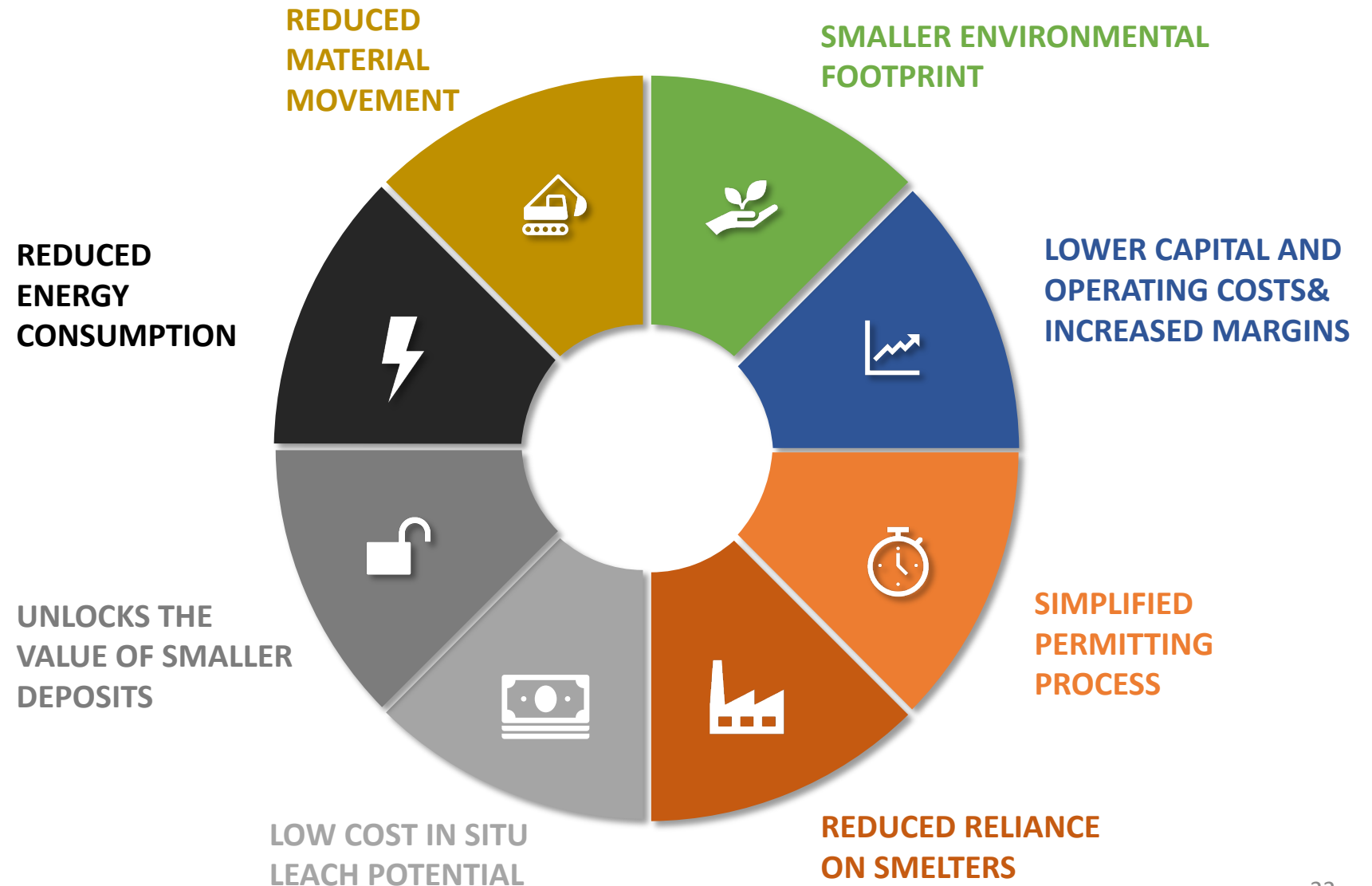
**Gold Mining
Sector...**





The Future of Gold Mining...

ECONOMIC BENEFITS – GOLD MINING SECTOR...





Cyanide Comparison

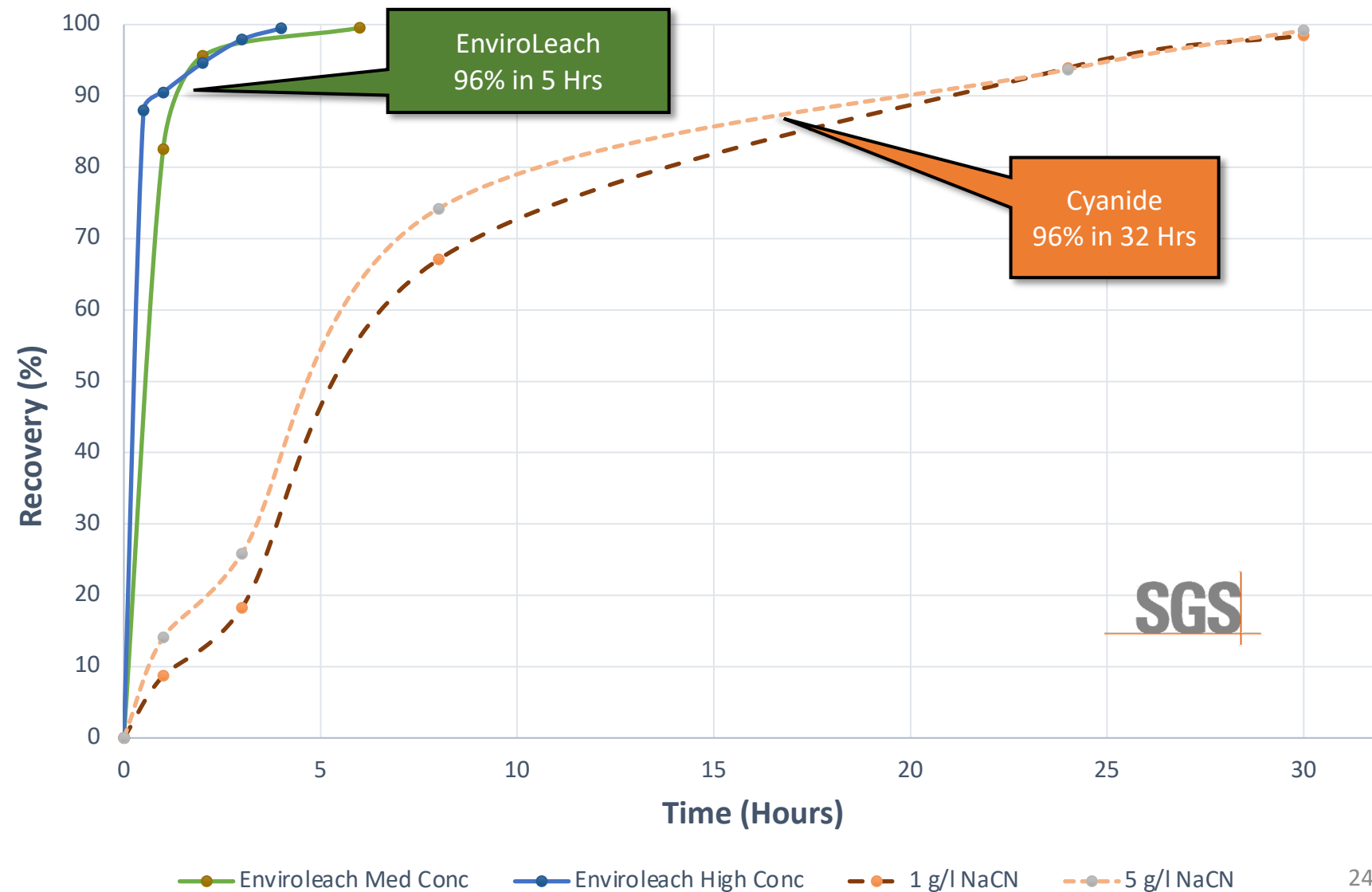
ENVIROLEACH VS CYANIDE...

	<u>Cyanide</u>	<u>EnviroLeach</u>
High gold recoveries	✓	✓
Fast leach kinetics	✓	✓
Environmentally safe & sustainable	✗	✓
Safe to handle & transport	✗	✓
Socially acceptable	✗	✓
No potential for dangerous off-gassing	✗	✓
No dangerous waste-water effluent	✗	✓
Functions in the presence of copper	✗	✓
Has potential for In-Situ gold recovery	✗	✓



Cyanide Recovery Comparison

ENVIROLEACH VS CYANIDE...

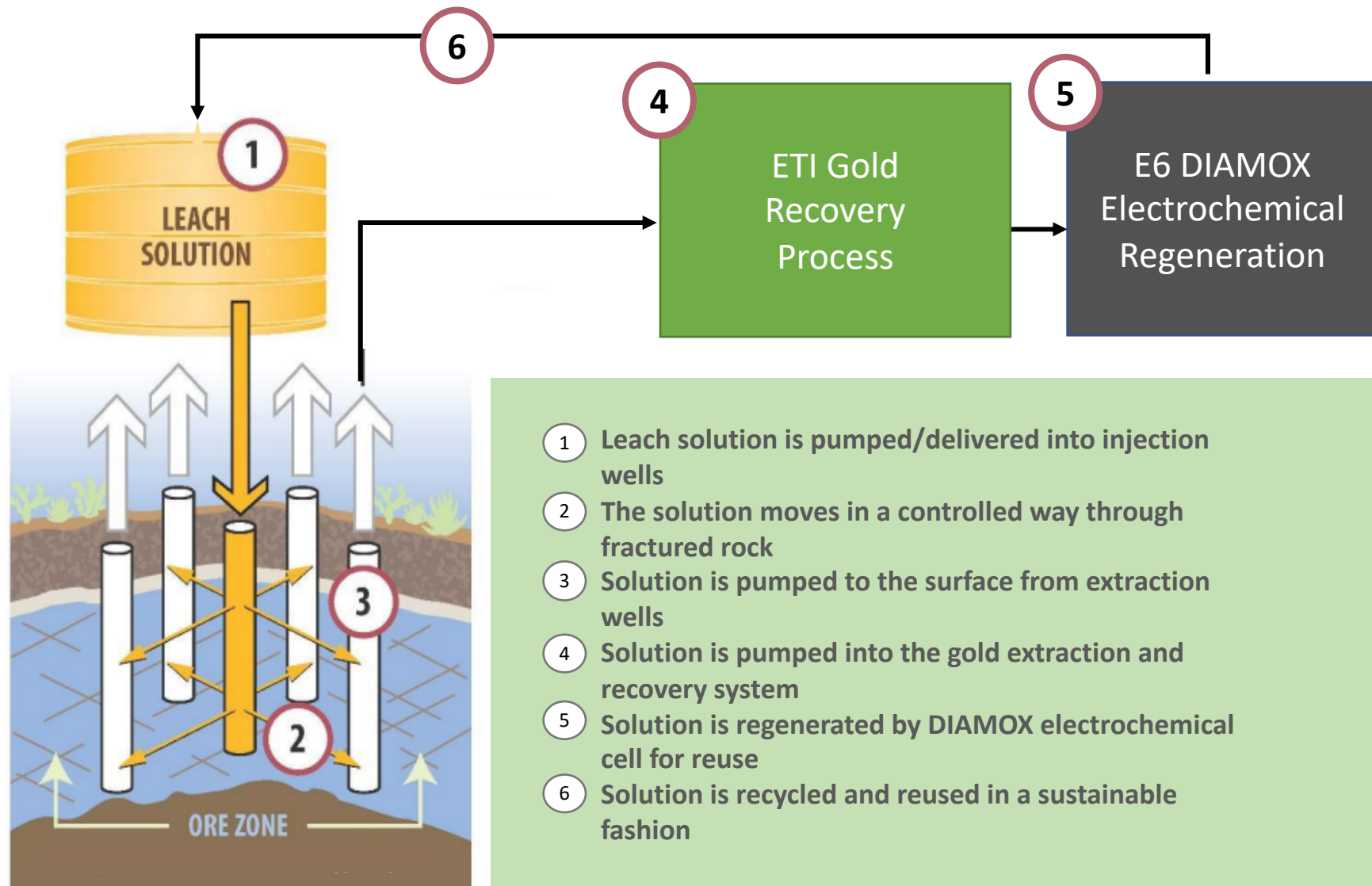




The Future of Gold Mining...



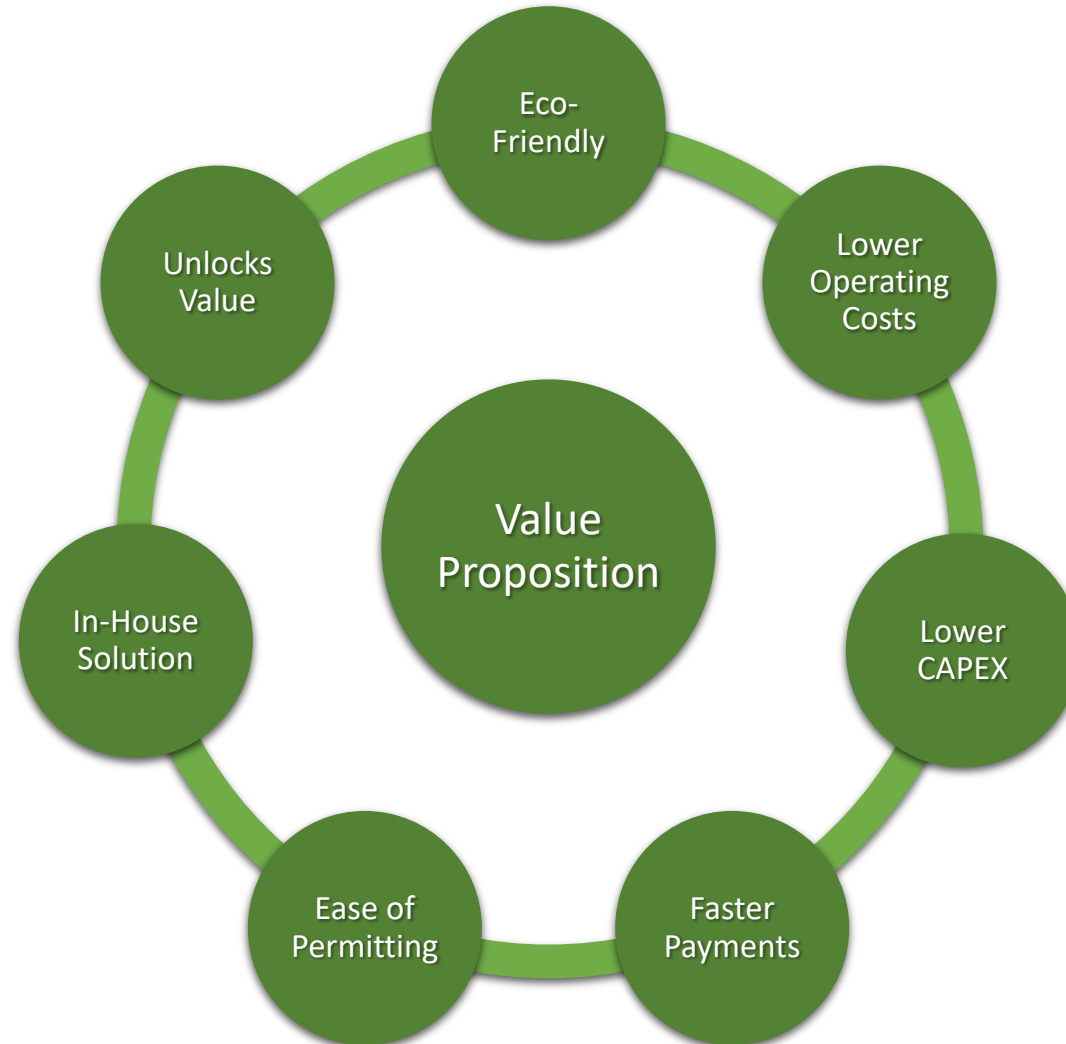
NON-INVASIVE IN-SITU GOLD RECOVERY...





Value Proposition

VALUE PROPOSITION...





Patent Protection

STRONG INTELLECTUAL PROPERTY RIGHTS...

Two Patents Issued, One Pending

1

The chemistry patent was granted in December 2019
(**PATENT GRANTED**)

2

Diamond-based electrochemical process technology granted
January 2020. (**PATENT GRANTED**)

3

A third application filed covering the recovery & reuse of the
chemical formulas. (**PATENT PENDING**)



Sustainable Development

UNITED NATIONS SUSTAINABILITY TARGETS...



SUSTAINABLE DEVELOPMENT GOALS

41%
Coverage





Certifications & Partnerships

CERTIFICATIONS & PARTNERSHIPS...





Why Invest in ETI?

INVESTMENT CONSIDERATIONS...



One patented technology addressing two market sectors totaling \$193B with existing environmental and sustainability challenges,



Technically and cost competitive, scalable and environmentally sustainable with little or no competition in 2 - multi \$Billion sectors,



Significantly de-risked - development complete and entering revenue Q4 2020, full scale operations targeted Q3 2021 – Partial revenues 2020



Accelerated deployment via two-phase business model combining corporate operations and licensing model



Robust R&D pipeline funded in part by the Canadian Government to enhance current PCBA processing profit



Proven management and highly qualified technology development team



Stock Information

STOCK INFORMATION...

Trading Symbols: ETI:CSE | OTCQB: EVLLF | FSE:7N2



Share Capital Structure

Common Shares Issued	74,321,001
Warrants Outstanding	3,385,251
Options Outstanding	10,235,000
Fully Diluted	87,941,252

EXECUTIVE TEAM...

Experienced with proven track records and strong industry ties...

Duane Nelson, President, CEO & Director

Mr. Nelson is the founder and CEO of EnviroLeach. He has founded several successful Ventures. Most recently he was the CEO and co-founder of Silvermex Resources Inc., a past TSX listed gold and silver producer. He is the founder of Quotemedia Inc., a successful financial market data company established in 1998, a leading provider of global financial stock market data for the Toronto Stock Exchange, NASDAQ OTC, and others. Mr. Nelson is on the Board of NGO Sustainability Inc., in Consultive Status with the United Nations Economic and Social Council.

Mel Lavitt, Director, Chairman of the Board

Mr. Lavitt has over 50 years of investment banking expertise in emerging growth high tech and middle-market companies. His professional career included hundreds of capital market transactions accounting for several billion dollars of equity and debt financing. Mr. Lavitt also served as a Director of Jabil from September 1991 to January 2016, is on the advisory board of two private companies, TELUS International and Deserve, Inc., and on the board of directors of Storage Engine.

Alexander Ruckdäschel, Director

Mr. Ruckdaeschel brings extensive experience in the successful development of several small cap and mid cap emerging growth companies. Mr. Ruckdaeschel has served on the Board of Directors of several successful public and private companies, including ERI, the largest fully integrated E-Waste recycler and IT & Electronics Asset Disposition (ITAD) provider in the United States.

Ish Grewal, M.A.Sc., P.Eng., Executive VP

Mr. Grewal has 25 years+ experience in the metallurgical and mineral processing industry, focused on research and development, mineral and hydrometallurgical processing and metal recovery systems. Prior to joining EnviroLeach, he was president and co-founder of Met-Solve Laboratories Inc. He has published and presented in numerous technical papers in fields of hydrometallurgy, gravity concentration and dense media separation. He earned his Masters degree in Metals & Materials Engineering from The University of British Columbia.

Wayne Moorhouse, COO

Mr. Moorhouse has extensive experience in corporate team building and overseeing company growth. He has held senior management positions with mining and civil construction companies and acted as the COO, CFO, Corporate Secretary or President of several TSX and TSX Venture Exchange listed companies and their subsidiaries, including Roxgold Inc., Midnight Sun Mining Corp., Silvermex Ltd. and Genco Resources Ltd.

Nathalie Pilon, CFO, Corporate Secretary

Ms. Pilon has comprehensive experience in corporate and international operational finance, with an emphasis on corporate governance. She has held senior positions with publicly listed mining corporations, where she has led finance teams through exploration, development, construction, commissioning and operations. Prior to joining EnviroLeach, Ms. Pilon was Director of Finance for Orezone Gold Corporation, and has held senior positions at Roxgold Inc. and Endeavour Mining Corporation.

Hanif Jafari, M.Eng., CTO

Mr. Jafari is a mining and mineral processing engineer with over a decade of experience in research and development. Prior to devoting his fulltime work to EnviroLeach, he was a researcher at the University of British Columbia, in addition to having over 7 years of global experience in leading mining and drilling projects. He holds a master's degree in mining and mineral engineering from UBC.



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