



Building a Domestic Supply of Critical Metals Through Recycling

Gold, Silver, Palladium, Copper, Zinc,
Tin, Lead, Nickel, Aluminum

December 2024



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The world no longer possesses the metal reserves necessary to supply its growing demand for electricity due to the climate-change-driven energy transition and artificial intelligence.

Kevin C. Smith, CFA – Member, CEO & Chief Investment Officer, Crescat Capital



Electronic Waste, Growing Five Times Faster than Documented E-waste Recycling*



An Escalating Global Problem

- A record 62 million tonnes (Mt) of e-waste was produced globally in 2022 - up 82% from 2010
- E-waste is on track to rise another 32% to 82 million tonnes by 2030
- Billions of dollars of strategically-valuable resources are squandered and dumped. Just 1% of rare earth element demand is met by e-waste recycling
- The Global E-waste Monitor foresees a drop in the documented collection and recycling rate from 22.3% in 2022 to 20% by 2030.
- The world is dependent on only a few countries for rare earth elements, despite their unique properties crucial for future technologies, including renewable energy generation and e-mobility.

* The Global E-waste Monitor 2024

Greentech = Clean Technology Choice for the Circular Economy

- Traditional global E-waste recycling practices, create toxic emissions and leachate during the extraction process, causing harm to both humans and the environment
- Greentech technology creates zero emissions/effluent/slag



Artisanal recycling is the recycling industry's dumping ground



Smelting is an old and dirty capital-intensive industry

Greentech Metals Inc.

A Clear Path to Profits

Contracted Supply & Derisked Business

Nearly limitless resource. Non-depleting asset with committed raw material supply in excess of annual requirements

Technically proven and largely derisked production of high purity gold and other precious metals from waste printed circuit boards

Minimal risk compared to traditional mining and smelting



Proven and Scalable Process

Proprietary separation and aqueous refining

Highly scalable and globally repeatable

Highly profitable {US\$1,500 /oz AISC (All in Sustaining Cost)}

Strong environmental credentials



Compelling Financials

US\$ 13.5m Capex (compared to a traditional gold mine producing the equivalent gold ounces)

US\$ 6.5m OPEX

Production 70,000 oz per annum gold equivalent per plant

Short timeline to production (<12 months)

Payback (approx. 12 months following start up)

Technical viability and economic potential is proven across value-chain, from source-to-sale

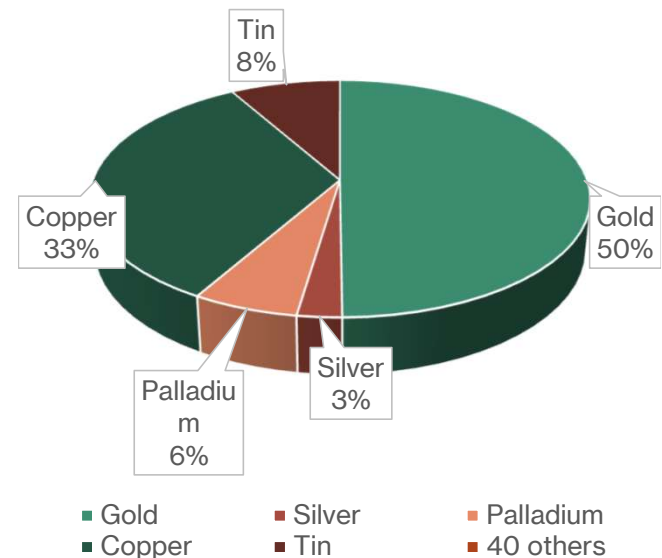
Each plant will produce 70,000 Gold Equivalent Ounces (GEO) p.a. per concentrator



1. Source: Based on assays conducted by American Analytical Services Inc (AAS) on April 26, 2023
2. Source: \$/Per tonne based on spot prices and actual recoveries as of September 18, 2023
3. Plant processes printed circuit boards (PCBs) sourced internationally from materials recovery facilities (MRFs)

Greentech Metals Inc.

\$18,505 metal value recovered per tonne processed^{1,2}
 Based on assays and confirmed with published data, average potential contained metal value² per tonne of printed circuit boards³



**Metals at 100x better grades than traditional ores
 +/- 40 Other Metals including REEs**



American Analytical Services
 59148 Silver Valley Rd * PO Box 748
 Osburn, ID 83849
 (208) 752-1034
 lab@aanlab.net

Attn: Tom Klaimanee
tklaimanee@alpharesmgmt.com

Greentech Metals, Inc
 1001-409 Granville St
 Vancouver, BC V6C 1T2 Canada
 604-218-6507

Job #GMI_042623-SC
 05/10/2023 Test Results

Analysis: ICP-35 Element Scan
 Analysis Code: M-ICP-35-4A
 Sample Type: 'Circuit Board, Prep'

#	Sample Number	Al <50 ppm	As <5 ppm	Ba <5 ppm	Be <1 ppm	Bi <5 ppm	Ca <50 ppm	Cd <1 ppm	Ce <5 ppm	Co <2 ppm	Cr <2 ppm	Cu <2 ppm	Fe <50 ppm
1	1	407	<5.00	23.0	<1.00	<5.00	54.0	5.50	19.7	<2.00	<2.00	708000	389
2	2	37500	41.7	45.0	<1.00	<5.00	69.0	7.60	33.5	20.8	5420	712000	26500
3	3	704	29.8	156	9.80	<5.00	197	6.00	<5.00	<2.00	892	668000	4790
	3 Dup	103000	<5.00	73.7	<1.00	<5.00	123	6.10	22.9	<2.00	5.80	592000	836

#	Sample Number	Ga <5 ppm	K <50 ppm	La <5 ppm	Li <2 ppm	Mg <50 ppm	Mn <2 ppm	Mo <2 ppm	Na <50 ppm	Nb <5 ppm	Ni <2 ppm	P <50 ppm	Pb <5 ppm
1	1	<5.00	441	<5.00	<2.00	<5.00	9.20	<2.00	275	19.1	3010	251	90.1
2	2	<5.00	396	<5.00	<2.00	<5.00	311	42.8	122	16.9	6020	223	1110
3	3	<5.00	431	<5.00	<2.00	<5.00	74.5	3510	53.2	23.3	5270	393	28100
	3 Dup	<5.00	376	<5.00	<2.00	471	25.7	5.00	<50.0	14.4	4580	198	23600

#	Sample Number	S <50 ppm	Sb <5 ppm	Se <2 ppm	Sn <5 ppm	Sr <2 ppm	Ti <5 ppm	V <5 ppm	W <5 ppm	Y <1 ppm	Zn <2 ppm	Zr <2 ppm
1	1	<50.0	11.2	13.4	100000	7.00	6.50	<5.00	46.0	<1.00	105000	37.8
2	2	172	177	11.1	23200	2.00	12.7	20.0	21.9	<1.00	138000	4.50
3	3	203	24.3	11.5	165000	9.00	10.2	<5.00	51.0	<1.00	57600	46.1
	3 Dup	169	30.4	10.7	107000	5.00	14.2	6.30	64.0	1.20	75600	17.8

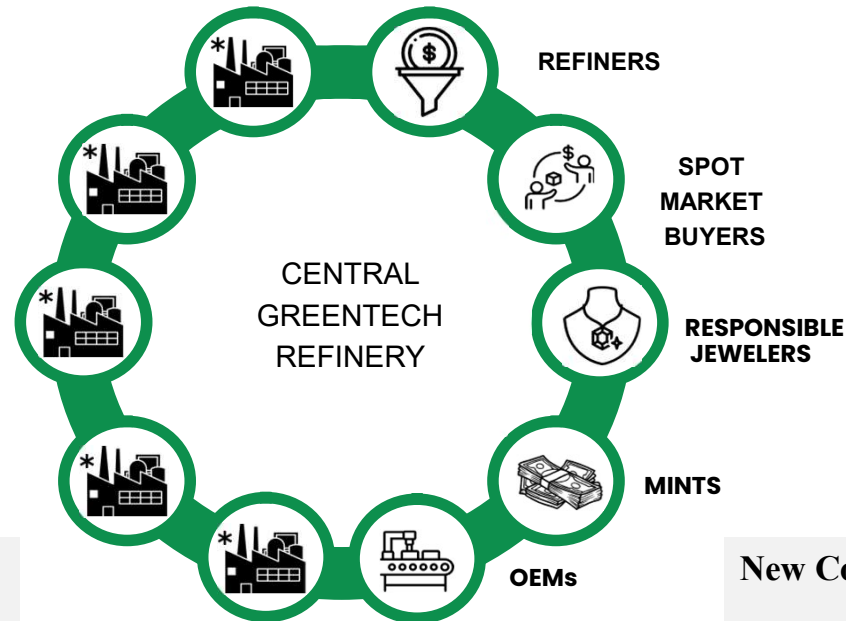
#	Sample Number	Au FA-Au/Ag <0.002 Tr. Oz / Ton	Ag FA-Au/Ag <0.100 Tr. Oz / Ton	Pt FA-ICP <0.020 (ppm)	Pd FA-ICP <0.020 (ppm)	Rh FA-ICP <0.020 (ppm)
1	1	5.29	28.4	<0.020	7.71	<0.020
2	2	3.82	39.8	<0.020	9.73	<0.020
3	3	3.78	39.0	<0.020	30.2	<0.020
	3 Dup	4.46	53.3	<0.020		<0.020



5 Year Projected Cash Flow

	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
TONNES PER ANNUM	400 t/a	9,400 t/a	9,400 t/a	18,800 t/a	18,800 t/a
BEGINNING CASH ON HAND	20,000,000.00	6,040,000.00	43,540,000.00	69,540,000.00	170,540,000.00
CASH RECEIPTS	6,000,000.00	151,000,000.00	177,000,000.00	386,000,000.00	398,000,000.00
LESS: CASH PAYMENTS					
OPEX	2,500,000.00	27,000,000.00	30,000,000.00	55,000,000.00	60,000,000.00
<u>COST OF GOODS SOLD:</u>	4,000,000.00	86,500,000.00	101,000,000.00	230,000,000.00	245,000,000.00
CAPEX	13,460,000.00		20,000,000.00		
	(13,960,000.00)	37,500,000.00	26,000,000.00	101,000,000.00	93,000,000.00
NET CASH CHANGE - Inflow (Outflow)	6,040,000.00	43,540,000.00	69,540,000.00	170,540,000.00	263,540,000.00

Global Hub & Spoke Strategy: Rapid Scalability with Minimal Geopolitical Risk



Concentrator plants located close to raw material supplies

International metals markets and exchanges

Building a Highly Scalable Streamlined System

- Hub and spoke model to minimize costs, optimize e-waste handling and specialized extraction
- Reduces shipping costs.

Building Strategic Partnerships

- Local Original Equipment Manufacturers (OEMs)
- Local Materials Recovery Facilities. (MRFs).

New Concentrator Plants

- Processing 9,400 tpa, online every 18 months for 6 years
- Located where the raw material exists
- Each concentrator will produce 70,000 oz Gold Equivalent Ounces.

Protecting Greentech Metals Multi-faceted IP



Purchasing

- ✓ Sourcing
- ✓ Quality control



Equipment

- ✓ Proven machinery
- ✓ Due diligence and testing



Preprocessing

- ✓ Separation
- ✓ Optimal particle size



Hydrometallurgy

- ✓ Sequence
- ✓ Lixiviants

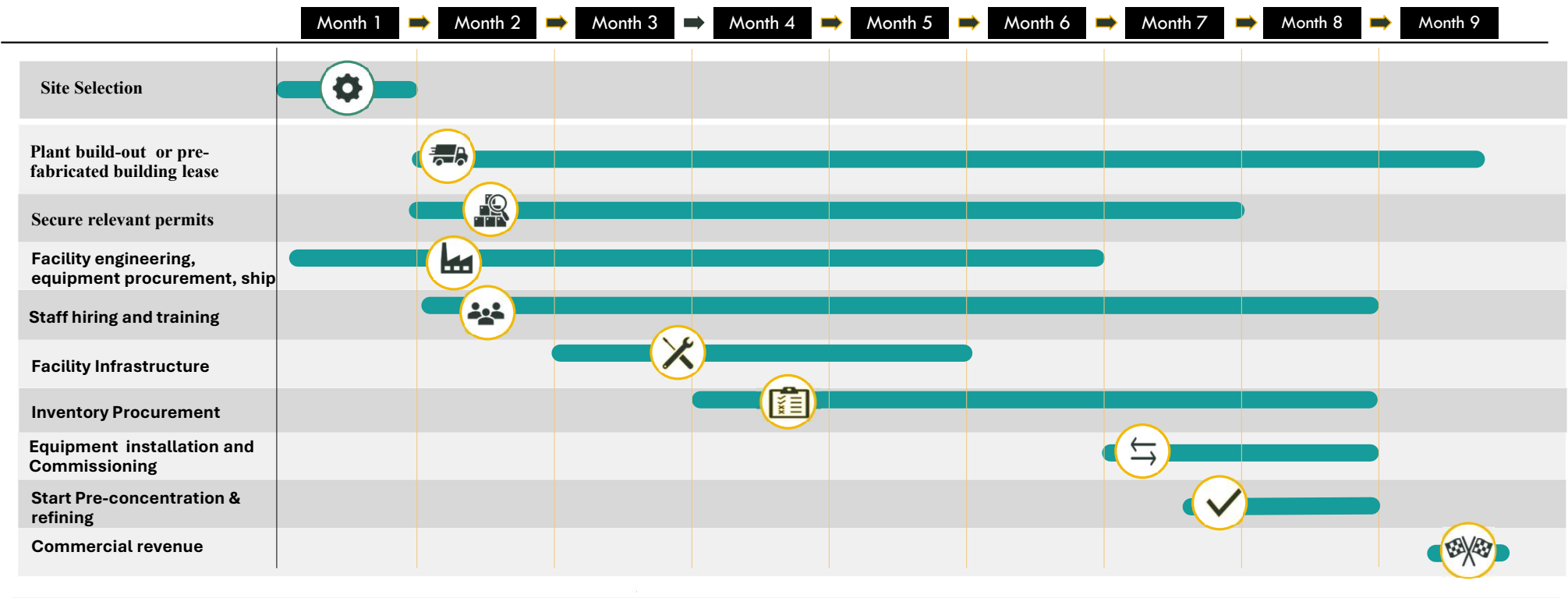
Greentech's IP will remain exclusive, unpatented and undisclosed as a key element of competitive advantage.

An Easier and Low Risk Option for Producing Metals

Risk	Mining	Smelting	Greentech
Environmental Risk	YES	YES	NO
Capital Intensity	YES	YES	NO
Social Risk	YES	YES	NO
Geopolitical Risk	POTENTIAL	POTENTIAL	NO
Regulatory Risk	YES	YES	POTENTIAL
Terminal Asset	YES	NO	NO
Extensive Waste Stream	YES	NEUTRAL	NO
Emissions and Effluent Risk	YES	YES	NO
Scalability Risk	YES	POTENTIAL	NO
Time to Production	YES	YES	NO
Cost of Energy Risk	YES	YES	NO
Geological Risk	POTENTIAL	NO	NO

Timeline to Cashflow

Milestones to Sustainable Commercial Revenues



Key Risk Mitigation, Milestones & Achievements

- 4 years of R&D
- Low CAPEX
- Short timeline to production: <12 months
- Rapidly scalable business model
- Derisked geographically, socially, geologically and environmental
- Proprietary IP procurement, milling and refining process
- Raw material supply contracts in place.
- Qualifies for carbon credits
- Experienced team in mining, metals processing and metals markets



Project Summary

Each plant will recover the highest purity of recycled metals in a sustainable and eco-friendly manner

Production

- Process 9400 TPA of PCBs - in hand supply commitment for 24,000 TPA
- Production 70,000 Gold Equivalent Ounce per annum
- Output, high purity Au, Ag, Pd, Cu, Sn, Pb, Ni, Al
- <12 months to cash flow

Investment

- 1st concentrator and refinery US\$20,000,000
- Projected Annual EBITDA per plant >US\$40,000,000
- Rapidly scalable via addition of 1 concentrator per 18 months

Environment

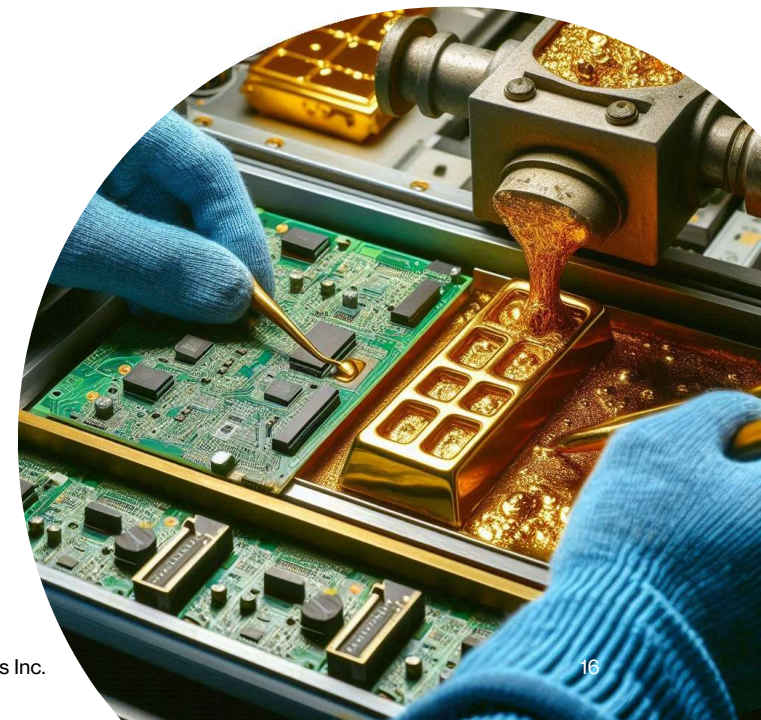
- Qualifies for Carbon Credits
- Utilizes an abundant and troublesome waste stream
- Zero emissions or effluent
- Low energy requirements

Science combined with know-how is the key to transforming the ordinary into the extraordinary

Basil Botha, CEO

Mobile:604-418-3856

<https://www.greentech-metals.com/>



Greentech Metals Inc.

E-Waste Processing, Competitive Landscape

Company Name	Public or Private	Comments
Excir	Private	Recycles gold from e-waste
Modern Mining	Private, approved for IPO	Recycles Au, Ag, Cu, Pd, from low grade e-waste
Royal Mint	Government owned	Recycles gold from e-waste
Emew Corporation	Private	Specialises in metals recovery from e-waste
Eco-Goldex	Private	Provides eco-friendly precious metals extraction technology
Aurubis	Public	Global provider of non-ferrous metals, upgrades mined ore with e-waste.
Boliden	Public	Swedish miner and smelter, upgrades mined ore with e-waste.
Pyrocycle	Private	Recycles e-waste using thermo- chemical processes
Glencore	Public	Global miner and smelter, upgrades mined ore with e-waste.

A Proven Team Decades of Mining and Recycling Experience



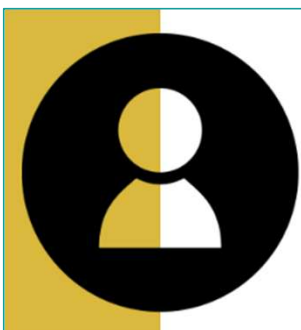
Basil Botha, M.B.A, CEO

Mr. Botha has over 40 years of experience in mining specialty minerals and metals, with a global supply network and has owned and operated coal mines in South Africa, producing 3.2 million tons/year for Sasol (NYSE:SSL- US\$10 billion mkt cap). Basil also pioneered the devolatilization of metallurgical coals for South Africa's steel industry. Mr. Botha is a former chairman of Ares Strategic Mining, Nordic Gold, Lithium Americas and co-founder of Modern Mining Technology Corp., aiming for a NYSE listing in 2024.



Tony Wonnacott, Director

Tony Wonnacott is a corporate securities lawyer based in Toronto, Ontario with over 25 years of experience. He is a member of the Law Society of Upper Canada and holds a B.Comm. (cum laude) from Saint Mary's University and an LL.B. from Dalhousie University. He began his career at a major Toronto law firm in the banking and securities field before moving to work as a legal consultant to a number of companies, primarily in the mining and resource industry. As a consultant, officer and director of several of these companies, Mr. Wonnacott has been involved with the successful listings of private companies, the outright sale of a company for approximately \$750 million and capital raisings in excess of \$1 billion."



Procurement Manager

With 18+ years of leadership in procurement, our procurement specialist has experience across aerospace, recycling, and metals refining. As former VP at Aerospace recycling firm, he sourced global assets and led the teardown of 130+ jet engines. He also developed an international sourcing network. As the former President of a refining business, he drove company growth and managed key accounts. He has built strategic relationships across multiple industries for precious metal transactions.



Grant T Smith, CFO

Mr. Smith has extensive experience as a Chief Financial Officer for public companies operating in minerals and metals as well as oil and gas. Mr. Smith is a CPA and a Chartered Director and currently serves on the boards of Angkor Resources Corp and Emergent Metals Corp. Mr. Smith's experiences in public companies have taken him around the world overseeing operations from Mexico to Finland and Cambodia to Portugal. Experience in public practice include articling with PwC and founding Clearline Chartered Accountants.



Paolo Sabatini Technical Advisor/Consultant

Mr. Sabatini is an experienced project manager with over 35 years of experience in waste recovery and recycling, renewable energy, and real estate development. Mr. Sabatini has successfully managed project developments worth over \$350 million and has an extensive knowledge of Eastern and Central European countries. Mr. Sabatini is the CEO and Co-Founder of Reviron d.o.o., a Slovenia-based company that specializes in alternative fuels and commercial waste trading and logistics. As a manager and co-founder, he has driven several different companies to success. Mr. Sabatini's expertise in waste industries, project management and development make him an invaluable asset to Greentech Metals business in the future expansion of operations in Eastern and Central Europe.

Market Cap of Comparable Miners/Developers

Name	Symbol	Type	Mkt Cap (USD) as at 30 th Sept 2024	Grade Avg: Underground - Gold (g/t)
Condor Gold Plc	LON:CNR	Gold	62,535,727	4
KEFI Gold and Copper	LON:KEFI	Gold	54,713,098	3
Majestic Gold Corp	CVE:MJS	Gold	61,732,665	1.7
Minco Silver Corp	TSE:MSV	Silver	8,555,361	180
RTG Mining Inc	TSE:RTG	Gold	40,290,125	2
Rex Minerals Ltd	ASX:RXM	Gold	227,981,227	0.5
Silver Mines Ltd	ASX:SVL	Silver	96,333,985	60
Spartan Resources Ltd	ASX:SPR	Gold	1,036,150,823	1.3
Theta Gold Mines Ltd	ASX:TGM	Gold	91,984,518	0.87
West Vault Mining Inc	CVE:WVM	Gold	46,625,237	0.5