

Project AuSum – Critical Metals with Silver lining and Gold sweetener

Titan Advanced is a project generator specifically oriented towards investing in companies and equities that have sustainability ethos and embody a rigorous path to commercial viability towards a net zero carbon economy.

Project AuSum is a collaborative SPV engineered to treat mine rejects and stockpiles from legacy gold mines of the past and intrinsically focused on full recovery of all critical metals therein, primarily Cu, Zn in addition to Si, Pb, S, Cd with added high purity precious metals premium from Ag, Au.

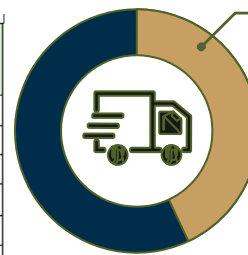
The plant is skid-mounted, modular, movable, with a nominal feed rate of 100 tonnes of discard material per day.

Pro Forma

Table 1: 100 tpd summary typical feedstock*

Metal	Analysis	Production /year	Price (LME) US\$/unit	Revenue US\$/year	Price (HP) US\$/unit	Revenue [Premium] US\$/year
Au	3 g/t	5,359 oz	2175/oz	7,659,164	103/g	10,339,871
Ag	93 g/t	99,678 oz	24.7/oz	2,820,900	1.5/g	4,805,000
Cu	6.4%	2,167 t	4.01/lb	20,724,947	4.81/lb	22,972,887
Zn	8.0%	3,319 t ZnO	1.11/lb (metal)	7,405,440	1.33/lb	9,948,503
Si	35%	11,667 t	1,000 /t	11,666,667		
Totals				50,277,118		61,032,928

Net Zero \$



Global Financial commitments to Net Zero Initiatives:

5-88 TRILLION
2022¹

*Legacy gold mine in BC

¹ Glasgow Financial Alliance for Net Zero (GFA)

Competitive Advantages

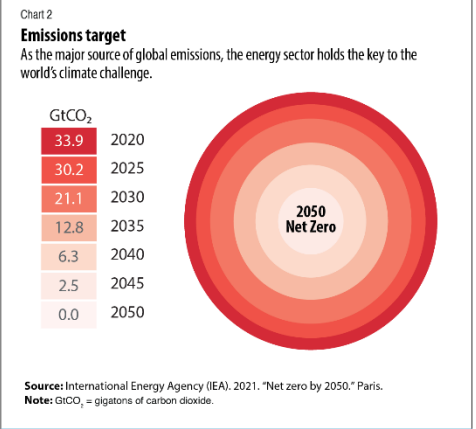
- ✔ Disruptive clean critical metals with sustainability ethos.
- ✔ Deep operational capability, technology folio and expertise.
- ✔ Decarbonization targets, formidable balance sheet, compelling economics.
- ✔ Determined leadership, reputational integrity and commercial credibility.
- ✔ Doing the right thing

Table 2. Base Summary Cu/Zn Recovery Plant*

Item	Cu/Zn
Capex, US\$ million	4.86
Opex, US\$/year million	0.95
Revenue/year, US\$ million	35.2
Profit/year, US\$ million	25.7
IRR (5-year), %	604
NPV (5-year), US\$, million	80

*92% Au offtake subject to price fluctuation

THE NET ZERO IMPERATIVE



THE OPPORTUNITY

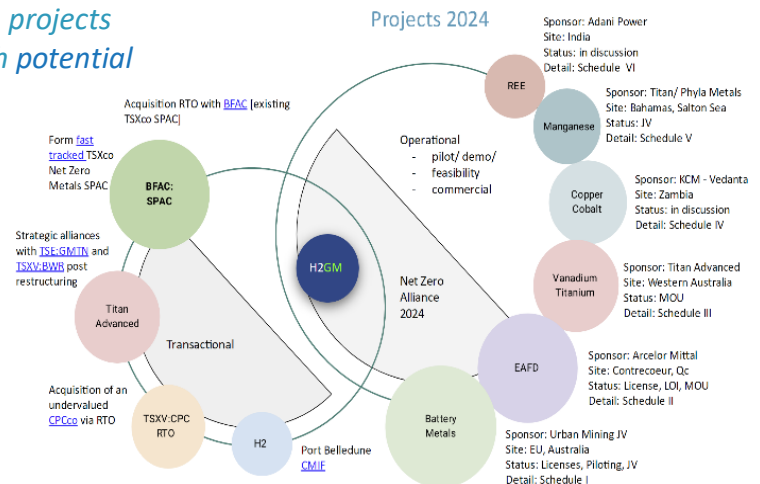


"We identify and invest in companies, people, projects and initiatives that have demonstrable growth potential and embody character & integrity."

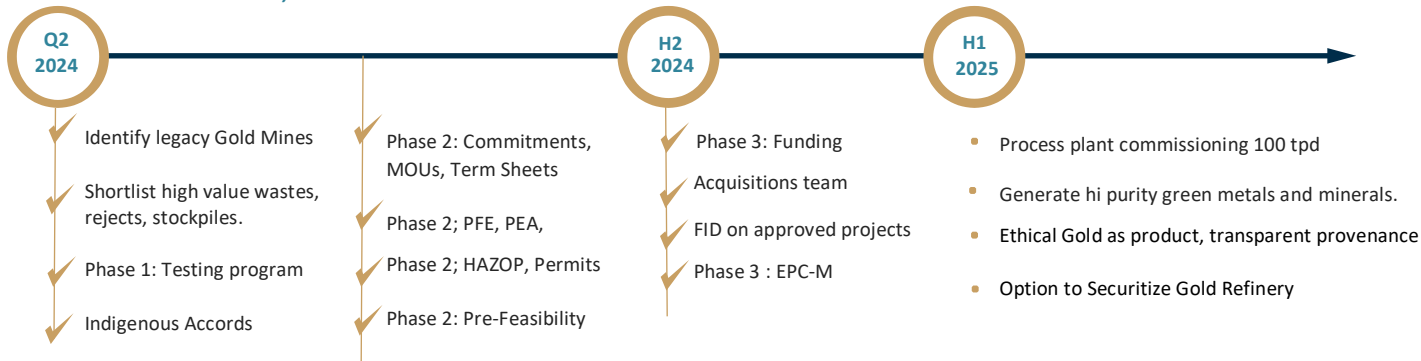
Kelly Hyslop MD, Chairman



Projects 2024



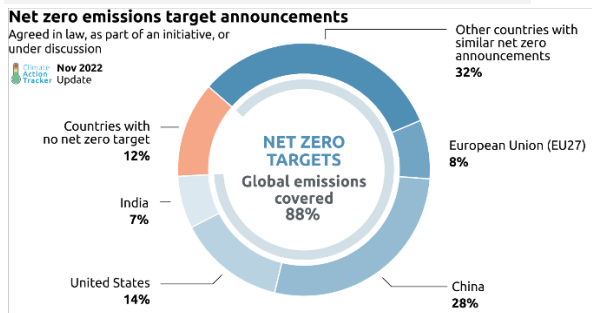
Timeline, Milestones:



Current Global Net Zero Commitments:

"Government or private sector commitments to net-zero cannot be a mere public relations exercise."

ANTÓNIO GUTERRES, United Nations Secretary-General,



Responsible Ethical Gold, Silver, Critical Metals

Each Project AuSum plant generates pure, clean, ethical gold and silver and ancillary metals. No greenwashed 'recycled gold', zero toxic residues, no harmful mercury contamination, no hazardous cyanidation, no dangerous corrosive aqua regia, fully transparent chain of custody, traceable provenance from start to finished product.



Project Team

Andrew Zemek: Widely acknowledged expertise in commodities critical metals, Andrew has over 35 yrs experience in metals mining trading copper silver, capital markets, consultant for World Bank, UNCTAD, UNEP, McKinsey & Co.

Bryn Harris Ph D: Dr. Harris brings unparalleled expertise in the treatment and assessment of metalliferous ores, metals extraction and materials processing in the mining and refining industries.

Quant Managers

Evgeny Bareev: GM Bareev is a world-renowned International Grandmaster FIDE (Fédération Internationale des Échecs) and acknowledged expert in behavioral heuristics of decision making under risk.

Marc Perreault: Marc is a seasoned M&A team lead and negotiator with deep skillset in financial modeling and risk mitigation honed during sojourn at MDA, a Canadian space mission payload specialist.

Mike Dry Ph D: Dr. Dry is the preeminent metallurgical process expert in the world today specializing in mass energy balance and use of quantitative data reconciliation, critical to transition between Design-Build-Operate phases of a Mining Project.

Carl W. White: Carl is widely acknowledged as a world leader in quantitative metallurgy. As technical advisor to Noranda R&D team, his fields of endeavor focused on extractive metallurgy circuits and purification units.

Jon Park: Jon Park is at the helm of a new generation of game theorist innovator-entrepreneur, who prefer to be at the front and center of their risk constructs. Mr. Park was the Legislative Committee Chairman of Canada's governing TKD federation.

Rizwan Rajput: Rizwan is a board certified CPA CGA professional comptroller with accreditation from McGill University, versed in forensic audits and transactional finance within tech & commodities space.

Kelly Hyslop MD.: Following a storied career in clinical practice and as professor of Clinical Medicine at UBC, Kelly has been involved in multiple companies in Earth Sciences, Biotech, and has served on the Boards of 12+ companies with a focus on finance.

Devin Stephenson: As Plant Ops team leader with well over a decade of hands-on specialised technology operational skills, Devin brings broad experience in multi discipline process knowledge and extensive mechanical and metallurgical expertise for varied hydrometallurgical applications.

Bruce Sifton: Deeply immersed in Clean Tech, Bruce has founded several material tech companies and holds a BSc. (Chemistry) and MSc. Eng from the U. of New Brunswick.

Harry Vernon: Harry brings 15 years' experience financing resources, energy, sustainability, and infrastructure sectors, with expertise in private, equities and governments encompassing acquisition, joint venture, and niche funding.

Steve Baker: Steve is responsible for Titan Advanced commercial roll out worldwide. Previously VP Operations for Shaw Communications, he is directly involved in major projects and M&A activities.