



AGM Presentation

November 2023



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FY 2023 Highlights

Largest Contract Signed

Delivering ~\$10m contract for the Townsville Water Recycling Facility

Project Execution

Successfully delivered Laramba and Koumala Drinking Water Treatment Projects

Entering the Lithium Market

Go2Lithium JV entered market via technology for equity agreement with Lithium Bank

Mine Tailings

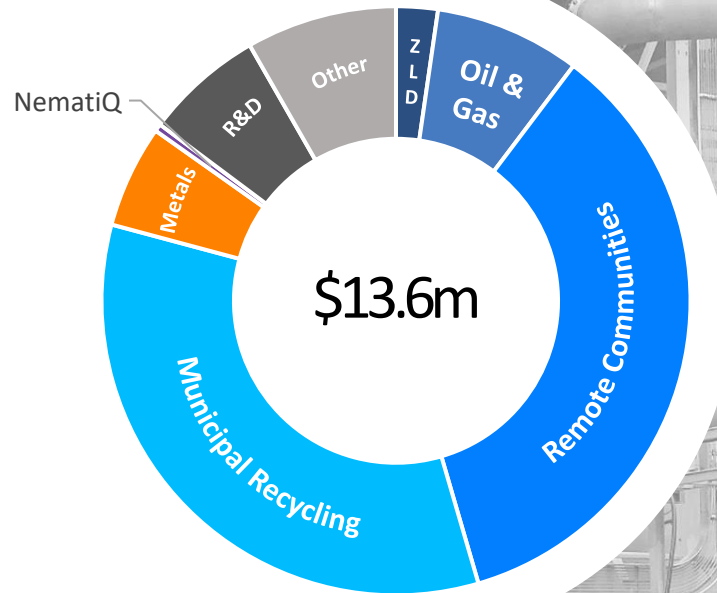
ATA® Technology enables access to enormous market in mine tailings water and metals recovery

Product Development

NematiQ makes its first commercial sale of Graphene Membranes to the water treatment industry

Global Expansion

Technology demonstrations in Europe and South America in N, P and S reduction and recycle



FY23 Key Numbers



\$13.6m

Total Revenue



9%

Revenue Growth*



\$4.6m

Cash at Bank

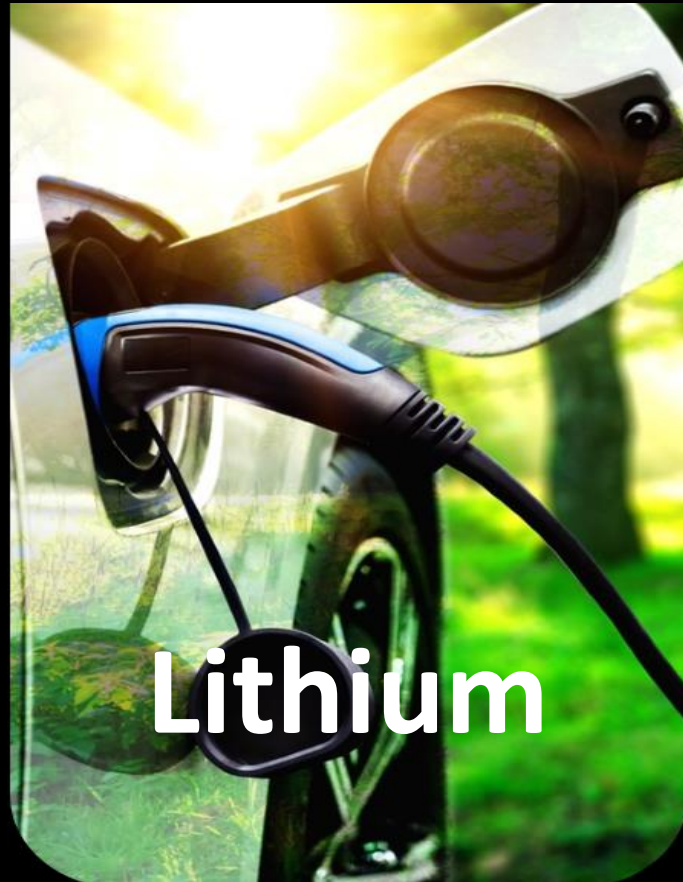


0 Loss Time Injuries

*compared to previous reporting period:
15 February 2021 – 30 June 2022

Clean TeQ

Clean TeQ is a specialized technology company solving some of the world's most pressing resource challenges across the water and mining sectors. We are focused on providing solutions to the lithium demand, mine waste rehabilitation and freshwater scarcity



Strategic shift

Transforming from system supplier



to technology licencing and strategic business partner

TODAY

Lithium

GO2LTHIUM

50/50 Joint Venture (G2L)

Combining Clean-IX® in Lithium with AI to locate & earn into undervalued assets: First project secured

Mine waste

Mine Tailings Services

Proposed 50/50 Joint Venture

Combining CNQ technology with tailings management expertise to service and operate tailings reprocessing at mines globally

Freshwater



100% Subsidiary

Global water treatment system supplier



100% Subsidiary

Graphene membrane systems supplier

SHORT TERM

GO2LTHIUM

Multiple agreements with mining companies to be secured

Mine Tailings Services

Multiple agreements with mining companies to be secured

Clean TeQ Water Partners

Business focused on using CNQ water treatment technology to treat produced and industrial wastewater to sell to agriculture and industries

HORIZON

cDLE® is the market standard technology for lithium extraction in brines, with CNQ having equity in multiple operations

Copper

Vanadium

Rare Earths

Metal recycling

Go2Water

Building on G2L: Combining CNQ technology with groundwater sourcing services to be a water supplier in water-scarce geographies

Lithium

Maximising value of brine assets

GO2L⚡THIUM



Advantage in strategic lithium brines assets

Clean TeQ and Ivanhoe Electric's subsidiary, Computational Geoscience combine to unlock several untapped lithium opportunities globally

GO2LTHIUM



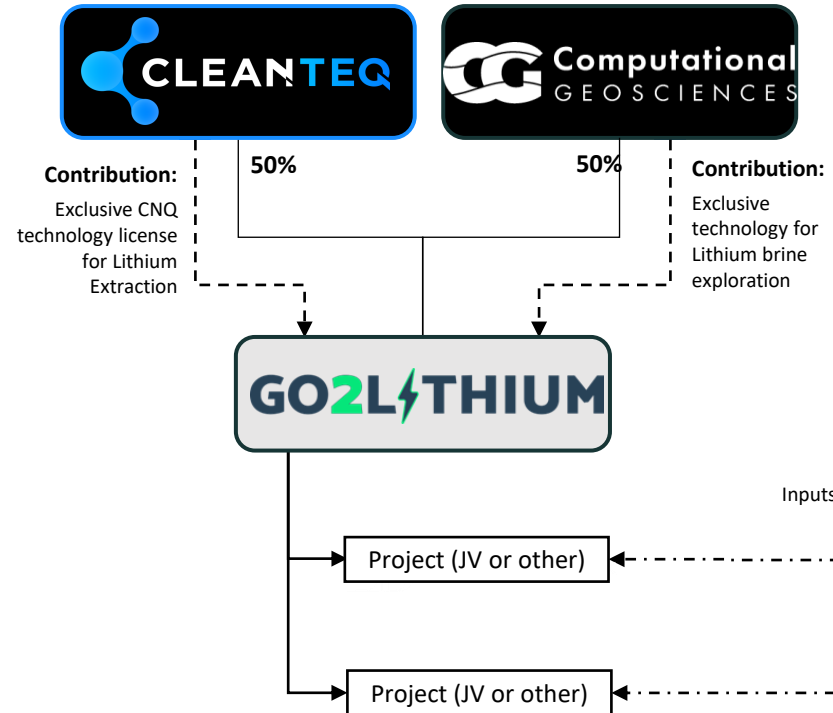
World's leading Direct Lithium Extraction technology with proven pathway to full-scale commercial plant



Leader in subsurface mapping, utilizing proprietary algorithms & AI to find lithium brines. Ivanhoe Electric subsidiary



Joint Venture Structure:



Value generation

Investing in a company that provides access to undervalued lithium assets, predominantly in Northern America, allows investors to tap into this growing market without paying the premium that applies to hard rock and salar lithium companies

Rapid growth in valuation via technology-for-equity model

G2L's first agreement with LithiumBank to be replicated across the industry

Technology-for-equity Agreement¹



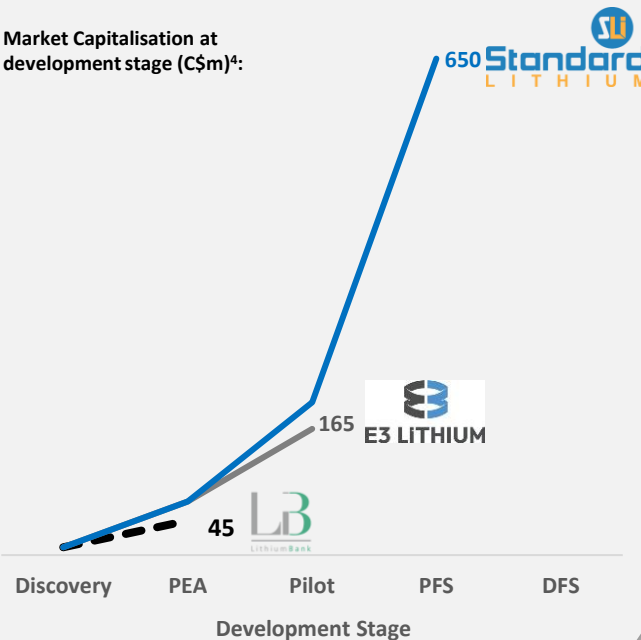
Go2Lithium has provided a cDLE™ license for LithiumBank's Boardwalk Lithium project in exchange for up to **14 million Common Shares to Go2Lithium**²

The 14 million shares, if fully issued **represent approximately 26.6% of LithiumBank's current issued and outstanding shares** (on a post-issue basis)³

G2L entitled to nominate a director to the LithiumBank Board and have representation on the Technical Committee

Partnership at stage where technology benefit and ownership are value accretive

Market Capitalisation at development stage (C\$m)⁴:



Replicate model at other brine developers (potential for spodumene)



Project 2

Discovery and development

Project 3

Discovery and development

Project 4

Discovery

¹ For further details on the transaction between Lithium Bank and G2Lithium, please see ASX release, dated 11 September 2023.

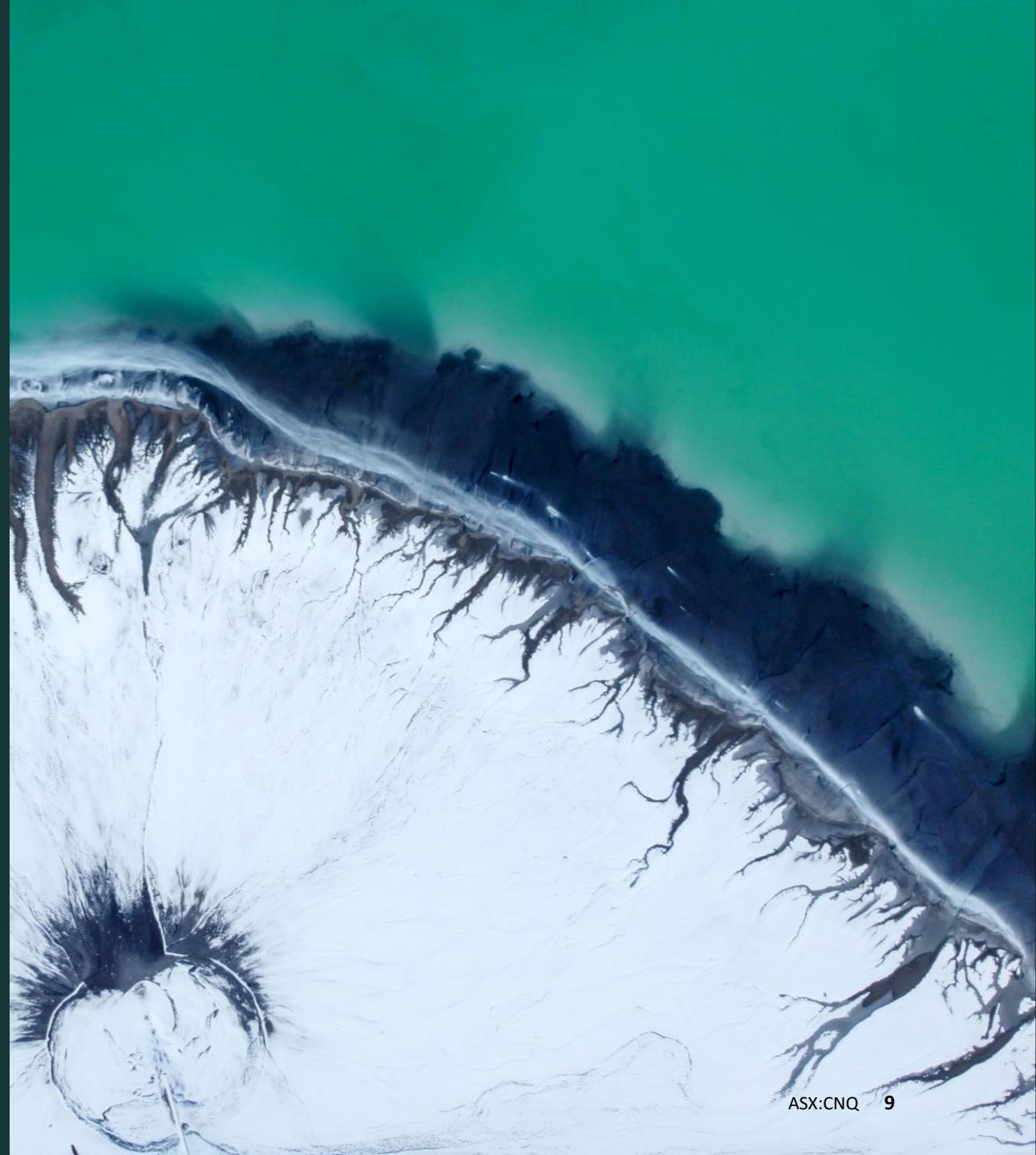
² Shares issued in tranches: 4 million shares upon IPLA signing with right to an additional 10 million shares in tranches against technical and study milestones

³ Ownership calculation based on current fully diluted shares outstanding as of date of transaction date, as per ASX release dated 11 September 2023

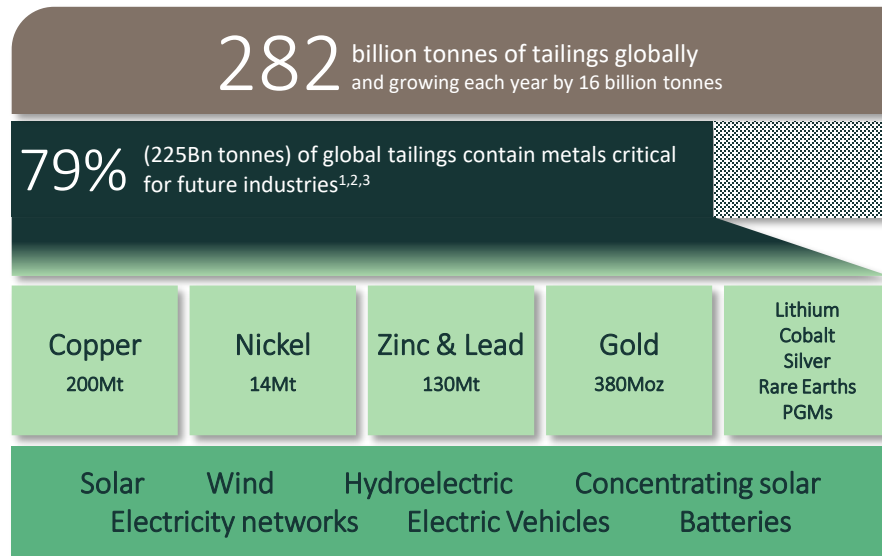
⁴ Market capitalisation at time of announcement of development study outcome

Global opportunity in tailings

No more tailings dams



No more tailings dams



Tailings has enormous potential to provide metals and minerals critical for the future

This requires a shift in strategy to minimise impact, progressively rehabilitate & realise value of tailings

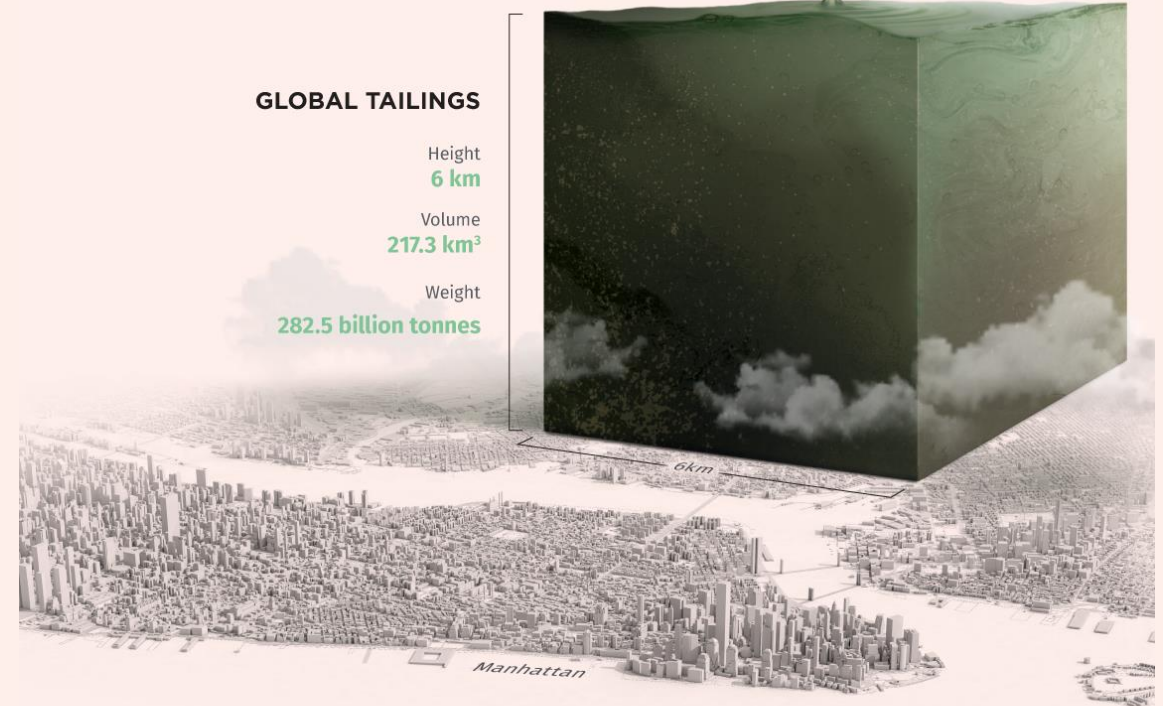
For existing mines, there is an opportunity to partner with companies focused to rehabilitation and metal recovery

¹ The Global Tailings Review, ICMM, UNEP, PRI (via [Visual Capitalist](#))
² IEA (2021), The Role of Critical Minerals in Clean Energy Transitions, IEA, Paris, [IEA link here](#), License: CC BY 4.0
³ Contribution percentage of mineral types with contained metal grades assumed: Cu: 0.15%, Au: 0.2g/t. Zn+Pb: 1.5%, Ni: 0.25%

The Global Tailings Review estimates that the total number active, inactive and closed storage facilities is **8,500** with **217km³ of tailings**, enough to fill a cube 6km high.

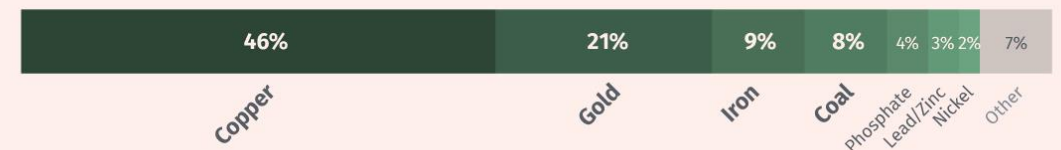


Annual tailings growth **12.3 km³**



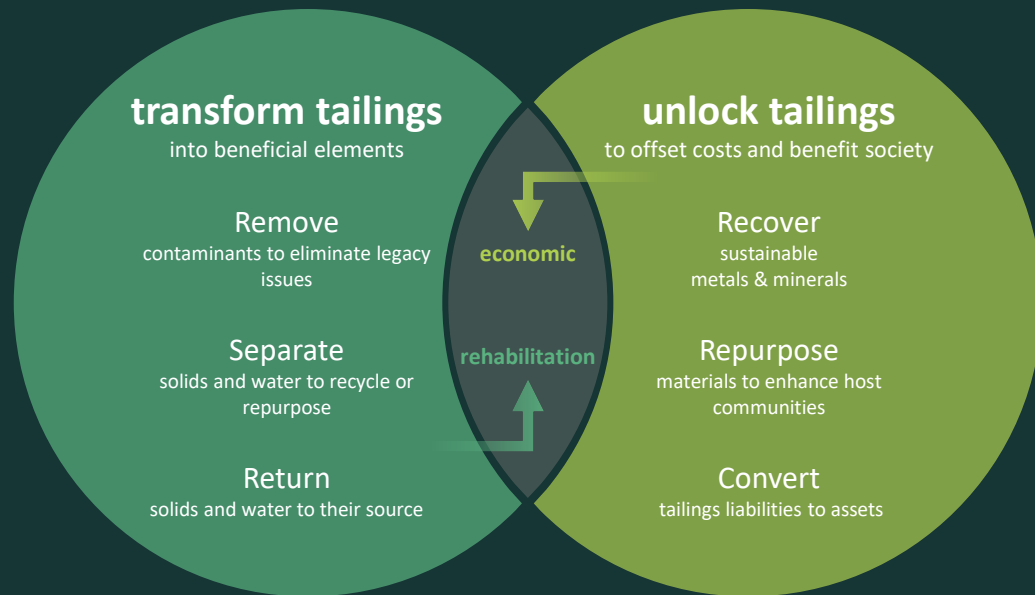
Some metals produce more tailings than others. The type, quality, quantity and production decisions of mineral deposits determine the amount of tailings waste a specific mine produces.

CONTRIBUTION TO GLOBAL TAILINGS, BY COMMODITY



Rethinking tailings

For tailings to contribute to sustainable metal production, solutions require both economic value and net environmental risk reduction to be achieved:



The full potential of economic rehabilitation for the mining industry extends far beyond the metal, land and water produced from tailings:



¹Based on the estimated global tailings amount (The Global Tailings Review, ICMM, UNEP, PRI, via [Visual Capitalist](#)) and the IEA (2021), The Role of Critical Minerals in Clean Energy Transitions, [IEA](#), License: CC BY 4.0. Contribution percentage of mineral types with contained metal grades assumed: Cu: 0.15%, Au: 0.2g/t, Zn+Pb: 1.5%, Ni: 0.25%, with current spot market prices applied. Note, valuation is only based on contained metal value, with no other values assigned to other headings.

Proposed JV Revenue model

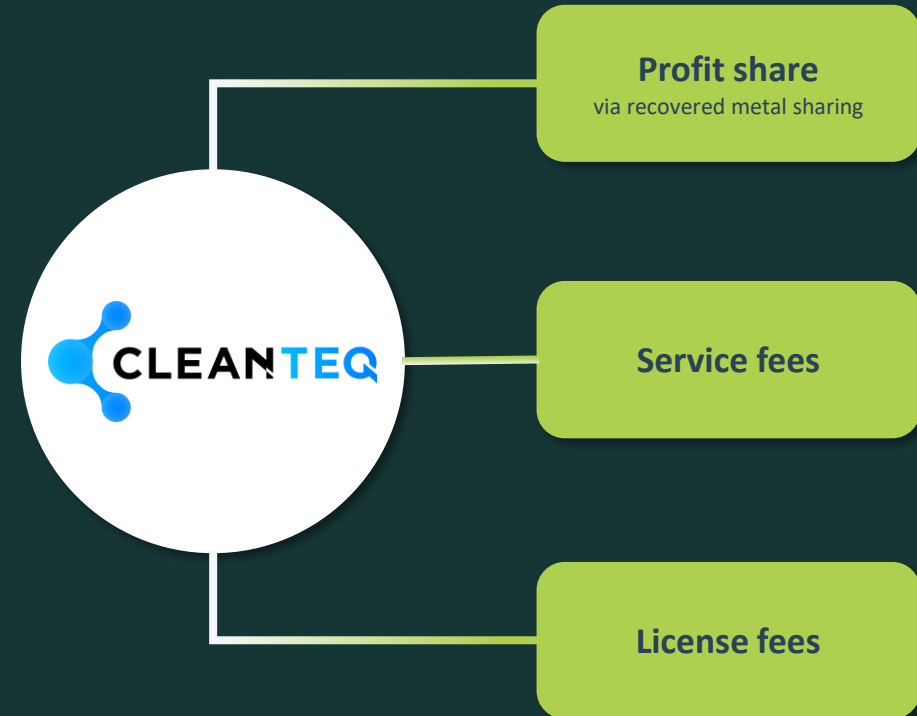
Mine Tailings JV will potentially provide direct commercial partnerships with mining companies for tailings rehabilitation & metal recovery

The model converts tailings at current & legacy mines sites to:

1. **Land:** released or repurposed, reducing environmental & social impact
2. **Water:** recycled or released, unlocking a critical resource
3. **Products:** Bringing sustainable metals and minerals into circularity

Commercial models are proposed to include project joint ventures, build-own-operate and license

Targeting consistent and long-term returns for commercial application of Clean TeQ's technologies in tailings projects



Global opportunity in renewing degraded freshwater



Clean TeQ's suite of technologies provide a unique ability to close the water cycle. The treatment and reuse of degraded freshwater resources offer important environmental, community and economic advantages

With half of the global water bodies seriously contaminated, treatment and reuse promote environmental security by alleviating the pollution of freshwater resources, while providing more freshwater for the main user, agricultural irrigation

At the same time, energy, mining and large industries, operating in those same water-scarce regions, are producing significant volumes of "produced" contaminated water, which requires unconventional treatment strategies

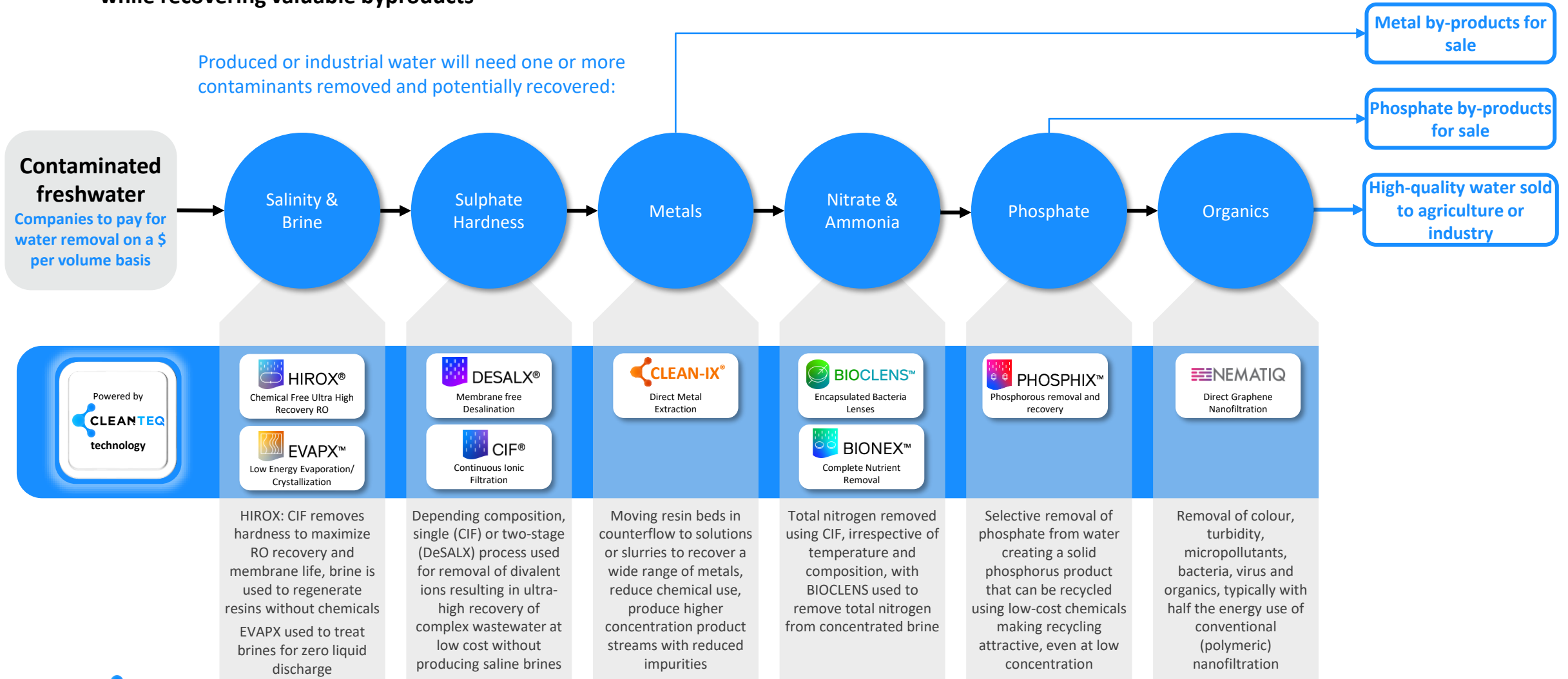
Clean TeQ has been at the forefront of solving water's most difficult challenges and is now moving to a licence and ownership model to provide a solution to convert low-value contaminated water into high-value freshwater for agriculture and industry



Wastewater to high-value water to unlock agriculture & industry

Clean TeQ Water's technology unlocking valuable contaminated freshwater resources to **supply high quality water for agriculture and industries while recovering valuable byproducts**

Produced or industrial water will need one or more contaminants removed and potentially recovered:



Projects Update



Townsville UV Water Recycle
Installation



MENA HIROX® Water Recycle
Practical Completion



NSW EVAPX® Brine Recycle
Commissioning



Heathgate CLEAN-IX® Uranium
Design



Laramba IX Uranium Removal
Completed



QLD IX Hardness & TDS
Completed



China BIONEX® Nitrate Removal
Commissioning



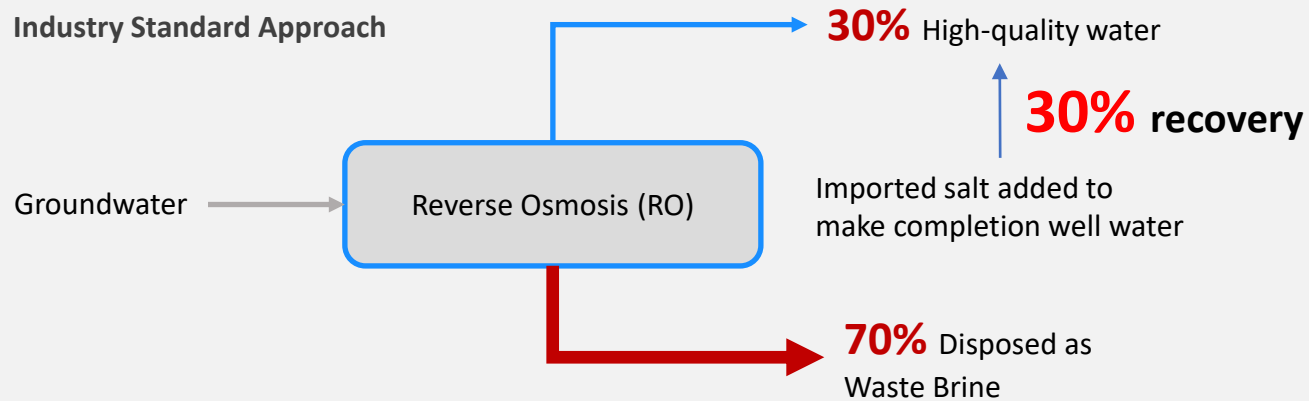
NematiQ
Commercial Sales

Outstanding commercial potential

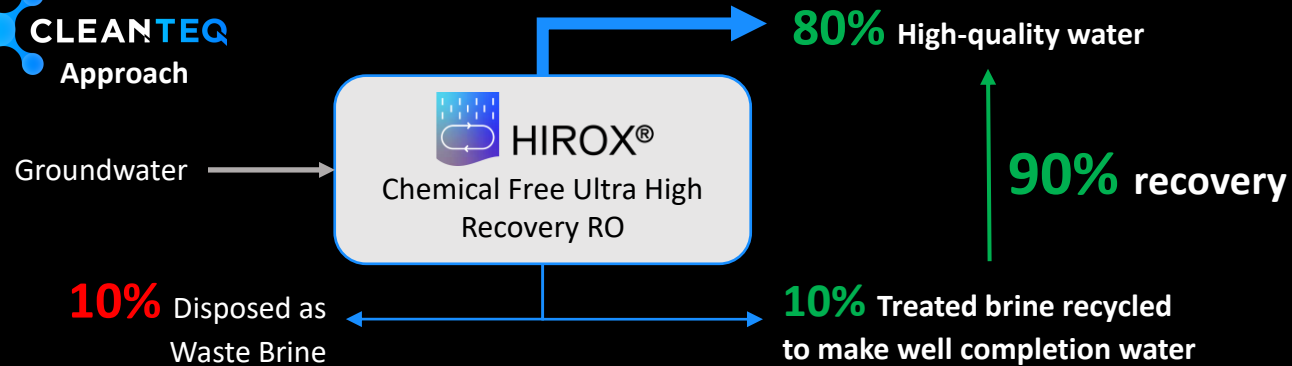
Middle East HIROX® Project

Freshwater scarcity and ESG principles force companies to efficiently convert groundwater for well completion water. Clean TeQ delivers **300% more completion water** and **700% less waste brine**.

Industry Standard Approach



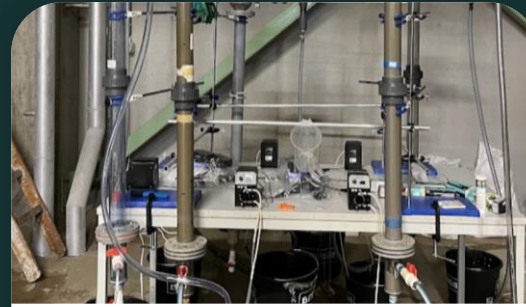
CLEANTEQ Approach



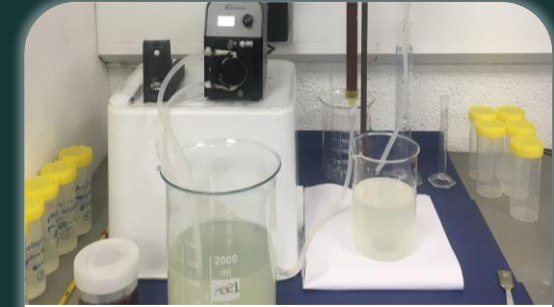
Development 2023



Lithium
cDLE® Pilot
Commissioning



DESALX® Sulphate
Selenium Europe
Site Pilot Completed



PHOSPHIX® Dairy
Europe
Ongoing



ATA®
South Africa
Site Pilot Completed



DESALX® Sulphate
South America
Site Pilot Scheduled



PHOSPHIX® Pharma
Europe
Agreement Pending

Development Update



Current product is the result of 7+ years focused development

Applied R&D

Development of mass manufacturing process

Market introduction through demonstration

2016

2017

2018

2019

2020

2021

2022

2023

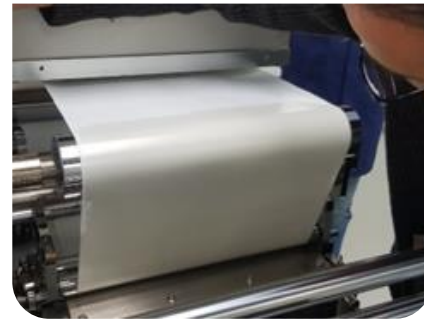
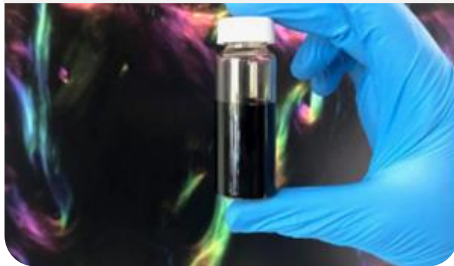
NematiQ founded

Proof of concept

Production

Demonstration

Monash University prepare graphene membrane by casting graphene oxide on support membrane



Production of commercial quantities of flat sheet membrane and industry standard modules



30+ customer applications
6 pilot projects in process
First commercial sales



Key

Technical Milestone

Patent Milestone

Commercial Milestone

Monash University files first patent

NematiQ files three more patents filed on 15 June 2021

Original patent granted in USA, Australia, Europe, UK, France, Netherlands, Germany, Japan

Executive summary

Growth Focused Business Model in Strategic Markets

Clean TeQ's expertise and intellectual property portfolio spans rapid growth markets including metal recovery, mine tailings management and water treatment

Focus on equity ownership via business partnerships, coupling technology leadership with strong and focused commercial intent

Strategic Partnership in Lithium

Clean TeQ (via 50% ownership in Go2Lithium) has secured a landmark equity agreement with LithiumBank for use of cDLE® technology within district scale lithium assets in North America

Transaction represents Clean TeQ's first step into the strategic North American lithium market

Innovative Partnership in Mine Tailings

Clean TeQ has entered the mine tailings market through a potential joint venture company involving a collaboration between Clean TeQ and a credentialed mining management team

Technology focused end-to-end tailings solutions for mines globally, including metal recovery

Robust Water Treatment Pipeline FY23 & Beyond

Clean TeQ has forged strong partnerships, with several projects in the design stage, poised to scale up in FY24, marking a promising second half of CY23

Water Division has around \$10M in contracts already secured in CY23 to date

Corporate Snapshot

Board



Ian Knight

Chairman



Sam Riggall

Non-Executive Director



Robyn Mcleod

Non-Executive Director



Peter Voigt

Managing Director & CEO



Magda Klapakis

CFO



David Menzies

CEO of NematIQ



Anita Addoriso

Company Secretary

Senior Management

Clean TeQ Water Limited

ASX Code	ASX:CNQ
Share price (30 Sept 2023)	A\$0.30
Shares on Issue (30 Sept 2023)	65.1m
Market Capitalisation	A\$19.5m
Cash (as at 30 September 2023)	A\$2.2m
Performance Rights	3.7m

Major Shareholders (as at 24 October 2023)

