

27 February 2017

Clean TeQ Presentation – BMO Capital Markets Conference

Co-Chairman of Clean TeQ Holdings Limited (ASX:CLQ) (**Clean TeQ** or **Company**) Mr Robert Friedland and Co-Chairman and CEO Sam Riggall will be presenting the Company in a range of forums at the BMO Capital Markets 26th Global Metals & Mining Conference in Florida on 26 February to 1 March 2017.

The BMO Capital Markets Conference brings together metals and mining industry leaders and institutional investors from around the world. More than 1,000 industry professionals representing nearly 500 companies from 32 countries and six continents are expected to attend the conference, one of the industry's most important global gatherings.

"We are seeing a significant increase in the level of North American investor awareness and interest in Clean TeQ. The BMO Conference provides us with a great opportunity to market the Company to the large North American audience", stated Co-Chairman and CEO Sam Riggall.

The presentation for the events is attached.

For more information about Clean TeQ contact:Sam Riggall, Co-Chairman and CEO or Ben Stockdale, CFO+61 %

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About Clean TeQ Holdings Limited (ASX: CLQ) – Based in Melbourne, Clean TeQ, using its proprietary Clean-iX® continuous ion exchange technology, is a leader in metals recovery and industrial water treatment.

About the Syerston Project – Clean TeQ is the 100% owner of the Syerston Project, located in New South Wales. The Syerston Project is one of the largest and highest grade scandium deposits in the world and one of the highest grade and largest nickel and cobalt deposit outside of Africa.

For more information about Clean TeQ please visit the Company's website www.cleanteq.com.

This release may contain forward-looking statements. The actual results could differ materially from a conclusion, forecast or projection in the forward-looking information. Certain material factors or assumptions were applied in drawing a conclusion or making a forecast or projection as reflected in the forward-looking information.



SYERSTON PROJECT

NICKEL AND COBALT SULPHATE

FOR THE LITHIUM-ION BATTERY INDUSTRY

SAM RIGGALL, CEO

BMO GLOBAL METALS AND MINING CONFERENCE 2017



DISCLAIMER

IMPORTANT INFORMATION

This presentation has been prepared by the management of Clean TeQ Holdings Limited (the 'Company') in connection with meetings with investors and potential investors and not as specific advice to any particular party or person. The information is based on publicly available information, internally developed data and other sources. Where any opinion is expressed in this presentation, it is based on the assumptions and limitations mentioned herein and is an expression of present opinion only. No warranties or representations can be made as to the origin, validity, accuracy, completeness, currency or reliability of the information. The Company disclaims and excludes all liability (to the extent permitted by law) for losses, claims, damages, demands, costs and expenses of whatever nature arising in any way out of or in connection with the information, its accuracy, completeness or by reason of reliance by any person on any of it.

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Actual results and developments of projects and nickel, cobalt and scandium market development may differ materially from those expressed or implied by these forward looking statements depending on a variety of factors.

This presentation does not constitute or form part of any offer or invitation to sell, or any solicitation of any offer to purchase any shares in the Company, nor shall it or any part of it or the fact of its distribution form the basis of, or be relied on in connection with, any contract or commitment or investment decisions relating thereto, nor does it constitute a recommendation regarding the shares of the Company. Past performance cannot be relied upon as a guide to future performance.

Please refer to the back of this presentation for information concerning the calculation of reserves and resources referred to herein, and the consents provide the respective Competent Persons.

For further details on the content of this presentation, please refer to the ASX releases on the Company's website.



CORPORATE OVERVIEW

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ASX code	CLQ
US OTC market (OTCQX Best)	CTEQF
Shares	478.8 M
Options	48.0 M
Performance Rights	4.9 M
Share Price (23 Feb 2017)	A\$0.80
52-week Trading Range	A\$0.12 - 0.80
Market Capitalisation (undiluted)	A\$383.0M

Shareholders	
Total shareholders	3,176
Robert Friedland	19.35%
Australian Super	7.0%
Board & Management ¹	6.8%

Cash and Debt	
Cash @ 31 Dec 2016	A\$15.5 M
Liabilities (Mar-18 notes)	A\$3.0 M

Share Price (A\$/share)²





Excludes options and performance rights.
Share price over 12 moth period to 23 February 2017.

THE ELECTRIC REVOLUTION

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CLEA

AUTOMAKERS ARE NOW RESPONDING

EV'S ARE MOVING TO THE MAINSTREAM



VW

Forecasting sales of 2 to 3 million pure EV's by 2025, or 25% of sales, as well as potential investment in a multi-billion euro battery plant



BMW

Forecasting 100,000 x-EV sales in 2017, and targeting EV's as 15-25% of its worldwide sales by 2025



DAIMLER

Ten new EV models by 2025 supported by a €10 billion investment program, potentially including battery manufacturing



TESLA

Tesla 3 was the

most successful

automotive pre-

launch in history

with 400,000 buyers

reserving a car for

delivery from 2017





RENAULT NISSAN-MITSUBISHI

Will catapult to world's largest auto manufacturer,

targeting 1.5 million

EV sales by 2020.

Nissan Leaf is world's top selling plug-in EV



BATTERY PACK COSTS ARE FALLING

ECONOMIES OF SCALE AND THE EXPERIENCE CURVE



Last five years has seen 20% pa cost reduction in EV battery pack systems

At the current rate of improvement, EV drivetrains are forecast to become competitive with combustion engines within five to ten years

■Cell average ■EV systems average 1600 20%pa —• • 1400 1200 1000 800 600 •— 12%pa —• 400 200 0 2010 2020f 2015 Source: Deutsche Bank, Lithium 101, May 2016

Battery Costs Are Falling (\$/kWh)

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NEW BATTERY CAPACITY IS COMING

ALREADY ~US\$20B OF COMMITTED INVESTMENT



Tesla is important, but the real growth story is in China

China is now pushing for an aggressive Californiastyle Zero Emission Vehicle (ZEV) program: 8% EV by 2018, 12% by 2020

Given a 1% EV adoption rate in China today, that target translates to a 12x increase in the number of electric cars to be sold in China

Chinese technical capability is fast approaching Japanese and Korean manufacturers



Source: Deutsche Bank, Lithium 101, May 2016



HOW IS THE SUPPLY CHAIN RESPONDING? IT'S BUILDING, FAST...



CATHODE MARKET



CATHODE – THE KEY TO COST

NICKEL AND COBALT PRICES DRIVE CELL COST



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Powering innovatio

Source: Roland Berger (2012) and internal analysis. Assumes a 96Wh PHEV cell (26Ah, 3.7W) using NCM622 cathode chemistry. Cathode cost includes non-metallic materials (carbon black, binder, foil). Internal assumptions concerning split of costs assumes average long-term prices of Ni US\$7.00/lb; Co US\$12.00/lb; Mn US\$1.00/lb; Li US\$6.50/kg (as LCE).

CHEMISTRY BY MARKET

DOMINANT CHEMISTRIES FOR EV REQUIRE NICKEL AND COBALT





Source: Avicenne Energy Analysis 2014



"The main determinants on the cost of the cell are the price of the nickel in the form that we need it ... and the cost of the synthetic graphite with silicon oxide coating."

- Elon Musk, Tesla CEO



The EV battery industry requires metal to be supplied as salts, usually as sulphates, to manufacture cathode precursors

The cost of converting metal units to sulphate form is often represented in the market price by a 'sulphate premium' paid over and above the contained metal value



CATHODE DEMAND FORECAST

IMPLICATIONS FOR RAW MATERIAL DEMAND

to NCM



development of NMC over LFP in the 105 next few years. The NMC penetration rate should climb significantly faster than we

previously expected."

Use of nickel and cobalt dominant

chemistries is accelerating in China

"We believe this potential [Chinese]

subsidy plan would further promote the

Of the 10 top selling Chinese EV's using

LFP chemistry, six are already converting

- Deutsche Bank, 2 Dec 2016

Source: 2015 data based on Avicenne Energy Analysis. 2025 case based on internal company estimates, utilising an EV adoption rate based on the average from five banks and industry consultant forecasts: HEV 5.7m, PHEV 2.3m, BEV 5.1m. EV applications forecast at 289 GWh. Non-EV applications forecast at 135GWh. Assumes an average battery size of 50kWh/BEV. Chemistry adoption rates in 2025 for EVs are NCM₆₂₂ 60%, NCA 25% and LFP 15%. No allowance for yield losses or process inefficiencies at pack or cell level, nor metal recycling rates.



COBALT

A PROBLEMATIC SUPPLY CHAIN

"The majority of the cobalt is heading straight to China. Their global hold is huge." - CRU 2016



Percentage of cobalt produced globally as by-product from copper and nickel mining



Percentage of global cobalt production originating in the Democratic Republic of Congo



Percentage of DRC cobalt mined artisanally

Source: Darton Cobalt Market Review 2015-2016





"While the occasional [analyst] questions the availability of enough lithium or flake graphite to satisfy soaring demand from the battery industry, everybody has overlooked or ignored the most critical mineral constraint – Cobalt. It's a truly gargantuan challenge. A Gigarisk!" - investorintel.com, March 2016



COBALT PRICE

RISING QUICKLY FROM HISTORIC LOWS

Cobalt was one of the best performing metals in 2016, with price increasing ~50% over the year

Significant upside in the event of supply disruption

At Syerston cobalt is co-product, not by-product: cobalt is ~45% of Syerston's revenues at today's spot metal prices¹





1. Prices taken as at 23 Feb 2017, excludes scandium revenue.

SYERSTON PROJECT





SYERSTON PROJECT

OVERVIEW

Syerston is a laterite (iron-hosted) mineral resource, rich in nickel, cobalt and scandium, located 350km west of Sydney and 100% owned by Clean TeQ

Uniquely positioned as one of the largest and highest grade sources of cobalt outside Africa

Syerston will be the first mine developed to exclusively supply the global lithium ion battery industry, with high-purity nickel and cobalt sulphate



MINERAL RESOURCE

LOW MINING RISK

Over 1,300 drill holes to define a significant nickel / cobalt / scandium resource

The resource is shallow (5m to 40m) and extends over a 2km horizon; simple and low risk stripmining

Mining accounts for a small fraction of total cash operating costs





COBALT PROJECTS

SYERSTON – A PREMIER COBALT PROJECT OUTSIDE AFRICA



Undeveloped Global Cobalt Resources (excl Africa)

Syerston is a globally significant cobalt resource, in a listed vehicle, outside Africa

Sitting near surface in central New South Wales, surrounded by good infrastructure and with major permits granted, Syerston represents one of the best exposures to cobalt in the market

> Source: SNL Global Mining Database (sample size = 660 projects). Resource figures are based on Measured and Indicated Resources (inclusive of Reserves) for undeveloped non-African projects held by listed companies. Seabed mining resources are excluded. To ensure materiality and relevance, projects with a Co grade of less than 0.10% and contained metal of less than 10kt are excluded. Note that in most cases, the economic viability of a project will be driven by the primary metal contained in the resource, not the cobalt.



2016 PREFEASIBILITY STUDY

LARGE, LOW-COST AND WITH HIGH COBALT CREDITS

Parameter		Assumption / Output
Autoclave Throughput		2.5Mtpa ¹
Life of Mine		39 years
Initial operating period		20 years
Autoclave Feed Grade ² (Year 3-20 average)	Nickel	0.80%
	Cobalt	0.14%
Production (Years 3-20 average)	Nickel sulphate	85,135tpa
	Cobalt sulphate	15,343tpa
Production (Years 3-20 average)	Contained nickel	18,730tpa
	Contained cobalt	3,222tpa
Recovery (Years 3-20 average)	Nickel	94.2%
	Cobalt	93.0%
Nickel price assumption ³		US\$7.50/lb
Cobalt price assumption ³		US\$12.00/lb
Exchange Rate		AUD/USD 0.75
Total Capital Cost ⁴		US\$680M (A\$906M)
C1 Cash Cost (Year 3-20 average) ⁵	before Co credits	US\$2.96/lb Ni
	after Co credits	US\$0.89/lb Ni
Net Present Value (NPVg) – post tax ⁶		US\$891M
Internal Rate of Return (IRR) – post tax		25%

1 Designed processing throughput rate following a 24-month commissioning and ramp up period.

2 Includes pit selection, dilution and mining factors

3 Based on bank/broker long-term consensus market pricing for metal content only. Does not include premiums that are typically paid in the market for battery-grade nickel and cobalt sulphate

4 Includes a US\$62M (A\$83M) contingency on capital costs

5 C1 cash cost excludes potential by-product revenue from scandium oxide sales and royalties

6 Post tax, 8% discount, 100% equity, real terms

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26-28 GWh p.a.# **500,000** Electric Vehicles p.a.*

Definitive Feasibility Study due for completion in Q4 2017

Significant scandium credits modelled separately

Assumes NCA chemistry with Ni and Co content by wt% within cathode active material of 48% and 9% respectively, and energy density at 1.39kg/kWh

* Assumes average energy density per battery pack of 50kWh



Scandium – a case study

Airbus Group's Lightrider: the world's first 3D printed electric bike

Aluminum-scandium frame makes it lighter and stronger

The bike weighs 35kg, contains a 6kWh battery, has a top speed of 80km/h and a range of 60km

The most effective way to increase an EV's range and performance is to make it stronger and lighter



Syerston is uniquely positioned to benefit from and support the two key imperatives facing the global transport industry: electrification and light weighting



NEXT STEPS

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PROJECT IS DEVELOPMENT READY

KEY PERMITTING COMPLETED

2017







SYERSTON

PILOT PLANT

Clean TeQ has a large scale pilot plant located in Perth, Western Australia to simulate the entire leaching and RIP extraction process at scale

A pilot campaign in 2016 processed ~50 tonnes of Syerston ore to produce nickel and cobalt sulphate samples for customer sampling and testing





SYERSTON

PURIFICATION CIRCUIT

Good progress is being made on purification of nickel and cobalt eluate to battery-grade specification

Next steps are crystallisation and assays



INVESTMENT TAKEAWAYS

Forty year mine life

One of the largest cobalt deposits outside Africa Located in an established mining district in Australia

unbeatable fuel efficiency

Significant scandium upside

Key permitting in place



RESERVES AND RESOURCES

COMPETENT PERSON CONSENTS

The information in this document that relates to nickel-cobalt Mineral Resources is based on information compiled by Diederik Speijers and John McDonald, who are Fellows of The Australasian Institute of Mining & Metallurgy and employees of McDonald Speijers. There was no clear division of responsibility within the McDonald Speijers team in terms of the information that was prepared – Diederik Speijers and John McDonald are jointly responsible for the preparation of the Mineral Resource Estimate. Diederik Speijers and John McDonald have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Diederik Speijers and John McDonald, who are consultants to the Company, consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this document that relates to scandium Mineral Resources is based on information compiled by Sharron Sylvester, who is a Member and Registered Professional of the Australian Institute of Geoscientists and is an employee of OreWin Pty Ltd. Sharron Sylvester has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which she is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Sharron Sylvester, who is a consultant to the Company, consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this document that relates to Ore Reserves is based on information compiled by Michael Ryan, MAusIMM (109558), who is a full time employee of Preston Valley Grove Pty Ltd, trading as Inmett Projects. Michael Ryan has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Michael Ryan, who is a consultant to the Company, consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Michael Ryan holds options in Clean TeQ Holdings Limited, the ultimate parent entity of Scandium21 Pty Ltd, the owner of the Project.

For further details on the content of this presentation, please refer to the ASX releases on the Company's website.



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