

# Clean TeQ Ltd Annual General Meeting 2014

20 November 2014



Creating sustainable solutions for oil and gas, municipal, mining, agriculture and industry.



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# **2014: A Year of Change and Quiet Achievements**

**Continuous Ion Exchange for Water & Metals**

**Metals: A New Strategic Direction**

**Water: Foundations for Global Growth**

**Air: Partnerships and Profits**

**Questions**

## Year in Review | A lot has changed in 2014. Activity to accelerate in 2015



**Team** - New board & Executives

**Partners** - New cornerstone investors

**Growth** - New alliances formed

### Global Water *Foundation Set*



**China** - SIDRI (Three Gorges Co.) Alliance

**Australia** - QUT Centre of Excellence

**Rest of World** - Waste and tailing projects

### Air

#### *Stabilise & Grow*



**New Investors** – Management Buy-in

**Merger** - Aromatrix in Australia

**Focus** – Profit in 2015 & Expansion to Asia

### Metals

#### *New Strategy*



**Australia** - Projects In DD

**Japan** - Scandium Plant Delivered

**Rest of World** – Projects Identified

**Company Structure** | Listed in 2007, the company has been transformed in the past 12 months with new shareholders and management structure

Issued Capital As at 17 Nov 2014	
Ticker Code	CLQ
Shares	262.4 M
Options	8.5 M
Convertible Notes	40.7 M
<b>Fully Diluted Capital</b>	<b>311.6 M</b>
Share Price - 19 Nov	7c
<b>Market Capitalisation (undiluted)</b>	<b>\$18.3M</b>

Revenue & NPAT FY2014	
Revenue	\$6.5M
NPAT	(\$4.9M)

Shareholders As at 17 Nov 2014	
Total shareholders	1,537
Top 10	38.8%
Board & Management	10.6%

Cash and Debt As at 31 Oct 2014	
Cash on Hand	\$1.8M
Debt	\$2M
Convertible Notes	\$4.1M
Tax Losses (est.) - 30 June 2014	\$13.5M



## Society's Challenge | Valuing, treating and processing our water, mineral & air resources



### | Clean TeQ's Opportunities |

**In Water** | The world spends \$5B a year on reverse osmosis plants and \$60B on water and waste water treatment and China is the market with the clearest need. Clean TeQ's Continuous Ion Exchange technology offers a low capex/opex treatment alternative for emerging sectors within this large market.

**In Metals** | With reducing ore grades, focus on strategic metals, pressure on processing costs and increasing environmental awareness, Clean TeQ's Continuous Ion Exchange technology becomes a game changer for many mining plays.

**In Air** | Air quality continues to become more important especially in developing countries. Clean TeQ's biological and thermal technologies are world best practice for a number of air purification applications globally.

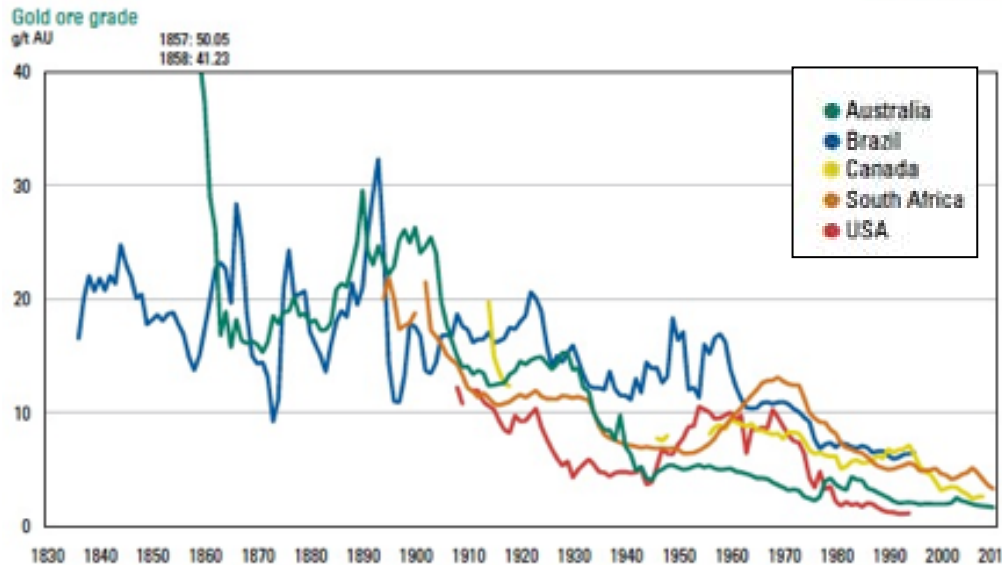
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## Clean TeQ Metals |



## Clean TeQ Metals | Technology for the future mines



**Clean-iX®  
Elements:**

1 H	2 He
3 Li	4 Be
5 B	6 C
7 N	8 O
9 F	10 Ne
11 Na	12 Mg
13 Al	14 Si
15 P	16 S
17 Cl	18 Ar
19 K	20 Ca
21 Sc	22 Ti
23 V	24 Cr
25 Mn	26 Fe
27 Co	28 Ni
29 Cu	30 Zn
31 Ga	32 Ge
33 As	34 Se
35 Br	36 Kr
37 Rb	38 Sr
39 Y	40 Zr
41 Nb	42 Mo
43 Tc	44 Ru
45 Rh	46 Pd
47 Ag	48 Cd
49 In	50 Sn
51 Sb	52 Te
53 I	54 Xe
55 Cs	56 Ba
57-71 Lanthanide series	72 Hf
73 Ta	74 W
75 Re	76 Os
77 Ir	78 Pt
79 Au	80 Hg
81 Tl	82 Pb
83 Bi	84 Po
85 At	86 Rn
87-103 Actinide series	104 Rf
105 Db	106 Sg
107 Bh	108 Hs
109 Mt	110 Uun
111 Uuu	112 Uub
114 Uuq	

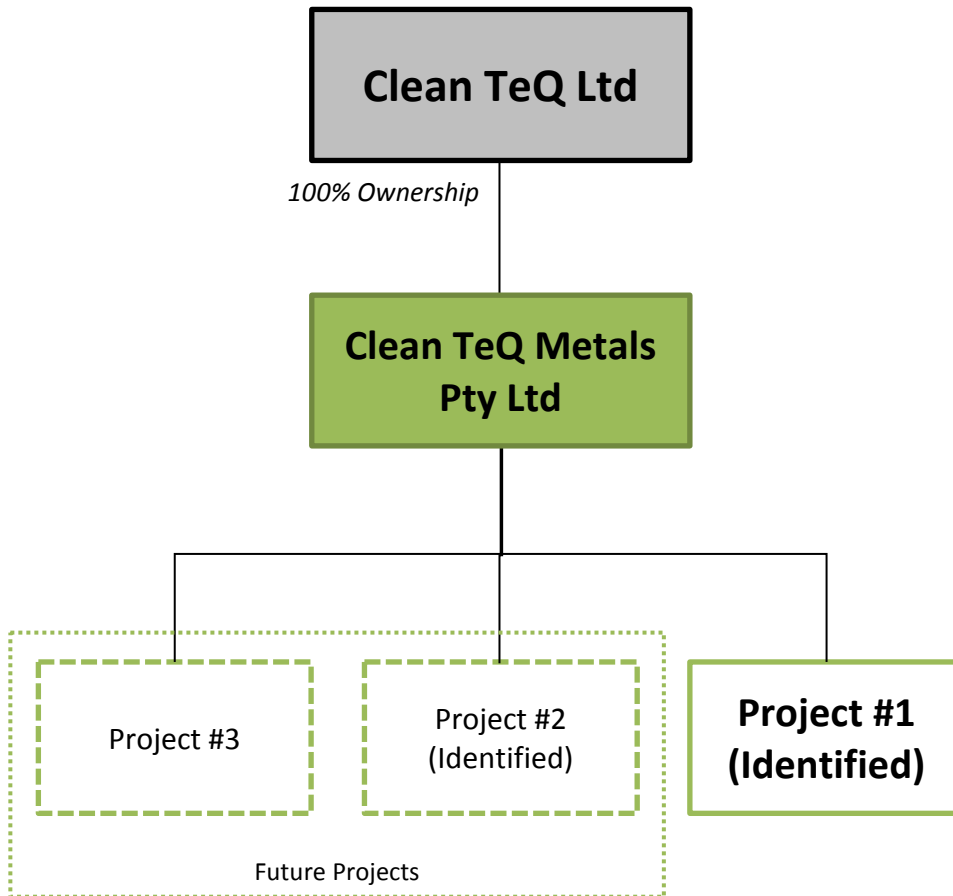
\* Lanthanide series

\*\* Actinide series

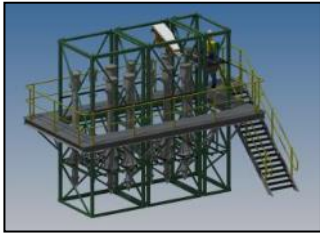
57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb
87 Ac	88 Th	89 Pa	90 U	91 Np	92 Pu	93 Am	94 Cm	95 Bk	96 Cf	97 Es	98 Fm	99 Md	100 No



## Clean TeQ Metals | Structured for growth



## Clean TeQ Metals | Focussed on key projects



### Scandium

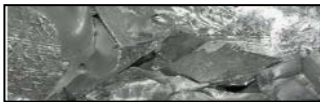
- Titanium Dioxide (TiO<sub>2</sub>) Intermediate Streams

Discussion underway with ISK, one of Asia's leading TiO<sub>2</sub> producers, to license the technology for recovery of scandium from TiO<sub>2</sub> processing. A pilot plant is currently being commissioned in Japan with trials to be complete in Q1, 2015.



- Primary Ores

Clean TeQ is in discussions with resource companies on the use of its technology for value-uplift on scandium deposits in Australia.



### Gold / Copper Tailings

- Clean TeQ have signed an MOU with Carbine Resources (ASX:CRB) for the use of its technology for copper recovery, cyanide recovery, and mine water treatment from the Mt Morgan Gold Mine.



### Copper / Zinc Tailings

- Clean TeQ is currently in discussions with a company on the re-treatment of a significant tailings deposit in Africa to produce copper and zinc from low grade oxide tails.



## Clean TeQ Metals | Creating value for shareholders

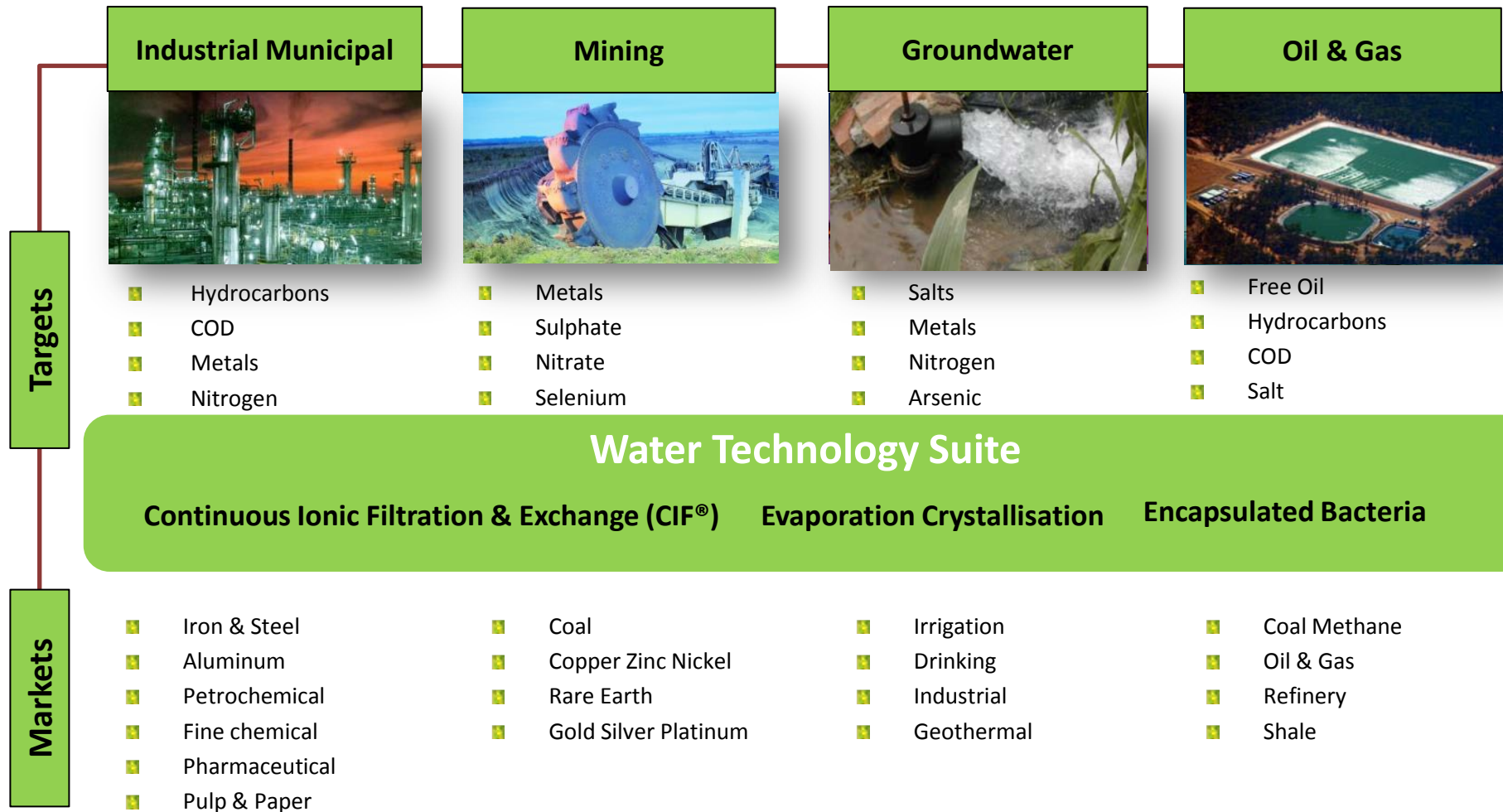
- **New strategic direction** for Clean TeQ resource recovery underway.
- **Clean TeQ Metals Pty Ltd** formed to focus on direct investment and acquisition in projects where extraction technology drives value uplift.
- **First key project identified** and two additional projects also being evaluated.
- **Project funding** will be required.



## Clean TeQ Global Water |



## Clean TeQ Global Water | Building on technology platforms





## Clean TeQ Global Water | Signed MOU with SIDRI

Clean TeQ has signed an MOU with Shanghai Investigation Design & Research Institute (SIDRI) to form a Joint Venture

- to use the Clean TeQ Continuous Ion Exchange Technology Platform in Water and Wastewater Treatment in China.
- to take an equity position in Clean TeQ Holdings

The Joint Venture will be owned

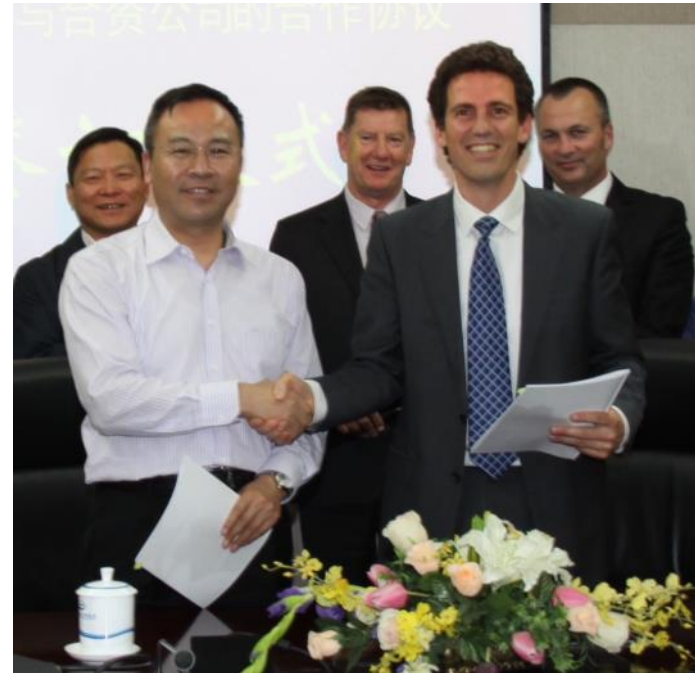
- 55% SIDRI
- 45% Clean TeQ

SIDRI is owned by

- Three Gorges Company,
- Shanghai Municipal Government,
- China Ministry for Water Conservation

SIDRI Business Units

- Water resources,
- Hydropower,
- New energy
- Environmental engineering





## Clean TeQ Global Water | Creating value for shareholders



Distributors in North America, South East Asia,  
Middle East, Europe  
Build pipeline to \$70M+

SIDRI in China  
Multotec in South Africa  
Distributor in South America  
Projects to the value of \$50m identified

Establish Annuity Income Streams

Build Global Distribution Networks  
China-based Centre of Technology

SIDRI Joint Venture  
Water & Wastewater Treatment for China  
China-based Supply Chain  
Australian based Centre of Technology

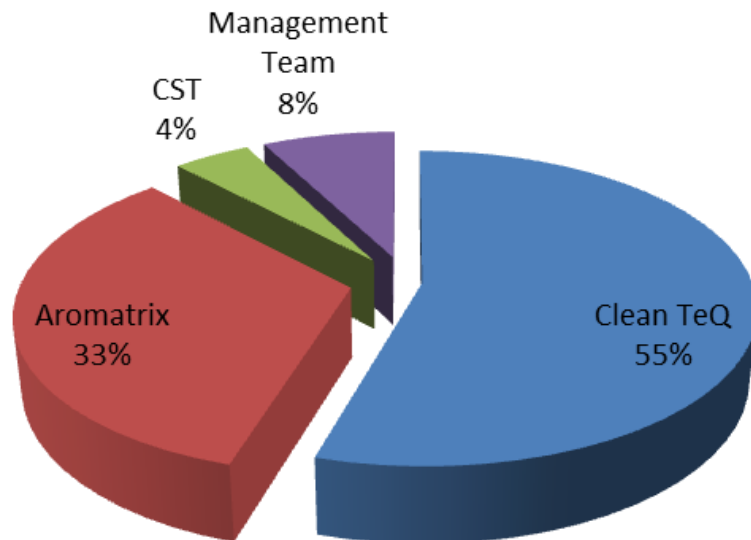


## Clean TeQ Air |



## Clean TeQ Air | Merger & management buy-in

### Clean TeQ Air P/L Shareholders



#### Benefits

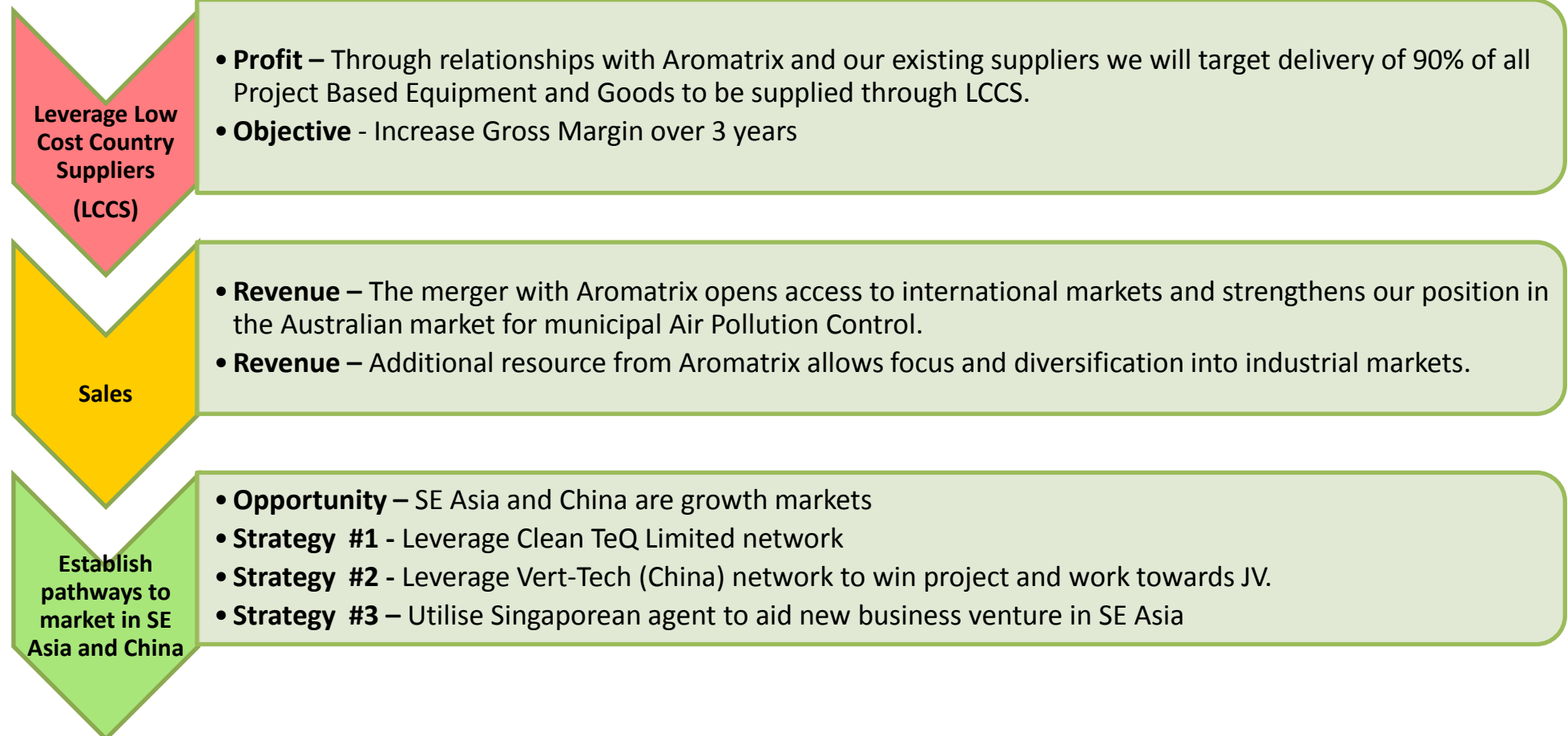
- Increased market share
- Access to procurement channels
- Access to global partners
- Access to potential capital finance

#### Outcome

- Increase Revenue
- Profitable
- Growth



## Clean TeQ Air | Focused on performance



# Clean TeQ Ltd

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Questions



Creating sustainable solutions for oil and gas, municipal, mining, agriculture and industry.

