



CLEAN TEQ WATER

AGM Presentation

December 2022

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This announcement is authorized for release to the market by the Board of Directors.



1. Company Overview

2. Water Solutions

3. NematiQ

4. Direct Metal Extraction

5. General Outlook

Corporate Snapshot



Board



Ian Knight

Lead Independent Non-Executive Director



Sam Riggall

Independent Non-Executive Director



**Robyn
Mcleod**

Independent Non-Executive Director



**Peter
Voigt**

Executive Chairman and Chief Technology Officer



**Willem
Vriesendorp**

Chief Executive Officer



**Magda
Klapakis**

Chief Financial Officer



**David
Menzies**

CEO NematiQ



**Anita
Addorisio**

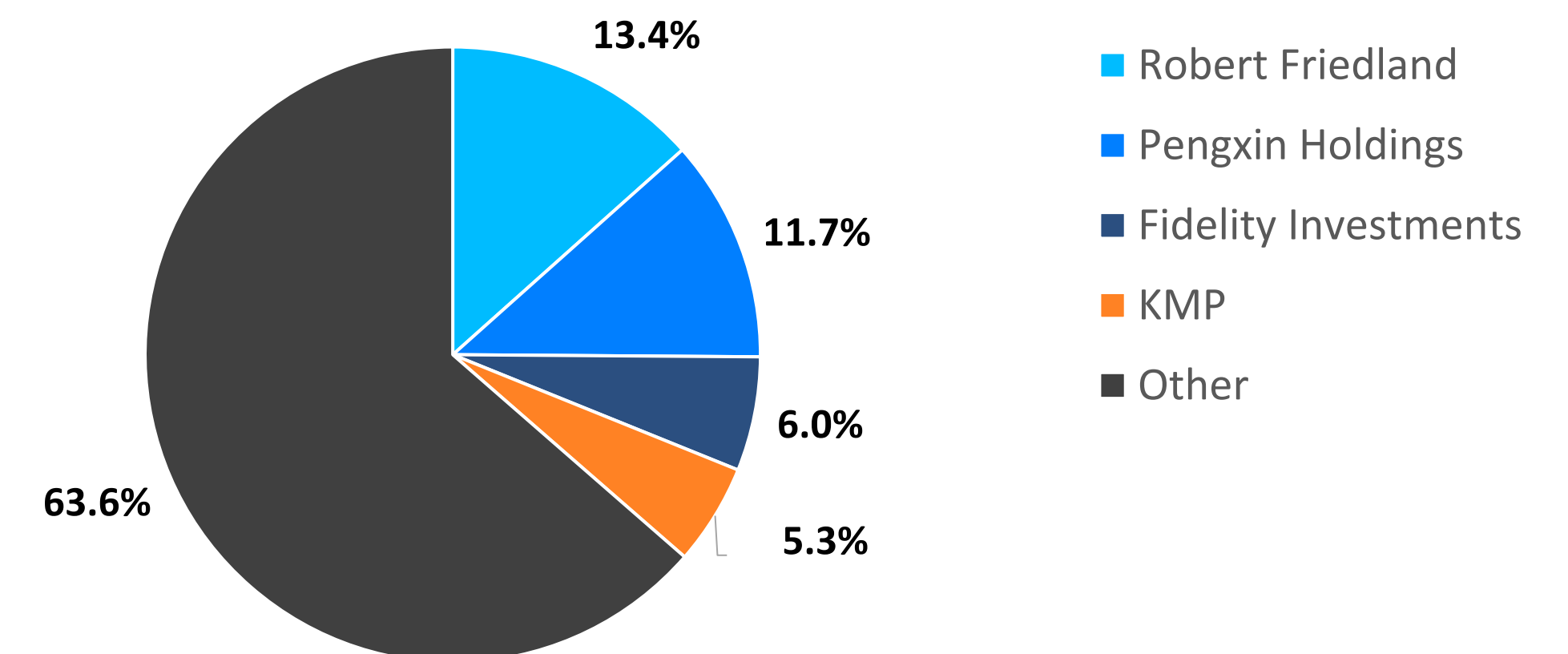
Company Secretary

Senior Management

Clean TeQ Water Ltd

ASX Code	ASX:CNQ
Shares on Issue	51.3M
Last Share Price (at 30 November 2022)	A\$0.385
Market Capitalisation	A\$20M
Cash (As at 30 September 2022)	A\$3.3M
Pro Forma Cash (As at 30 September 2022)	A\$8.1M
Options and Performance Rights	6.3M

Major Shareholders (as at 30 September 2022)



FY22* Highlights

- Successful demerger
- Statutory revenue of \$10.8m* for the 12 months to 30 June 2022, up 490% YOY
- Signed and commenced four water solutions projects since the demerger with a total contract value of \$20 million
- Increasing global footprint with projects Asia, Africa and Australia
- Overall winner IChemE award for BIONEX® application
- Investments in future growth and value:
 - First-time large-scale demonstration projects in key sectors and regions
 - Additional capability especially in commercial and manufacturing
 - NematiQ first production runs, module production and QA/QC test capabilities
 - Direct metal extraction application research
- Current plans provide a clear pathway towards positive adjusted EBITDA for FY24

* Based on audited accounts for the period 15th of February 2021 to 30th of June 2022

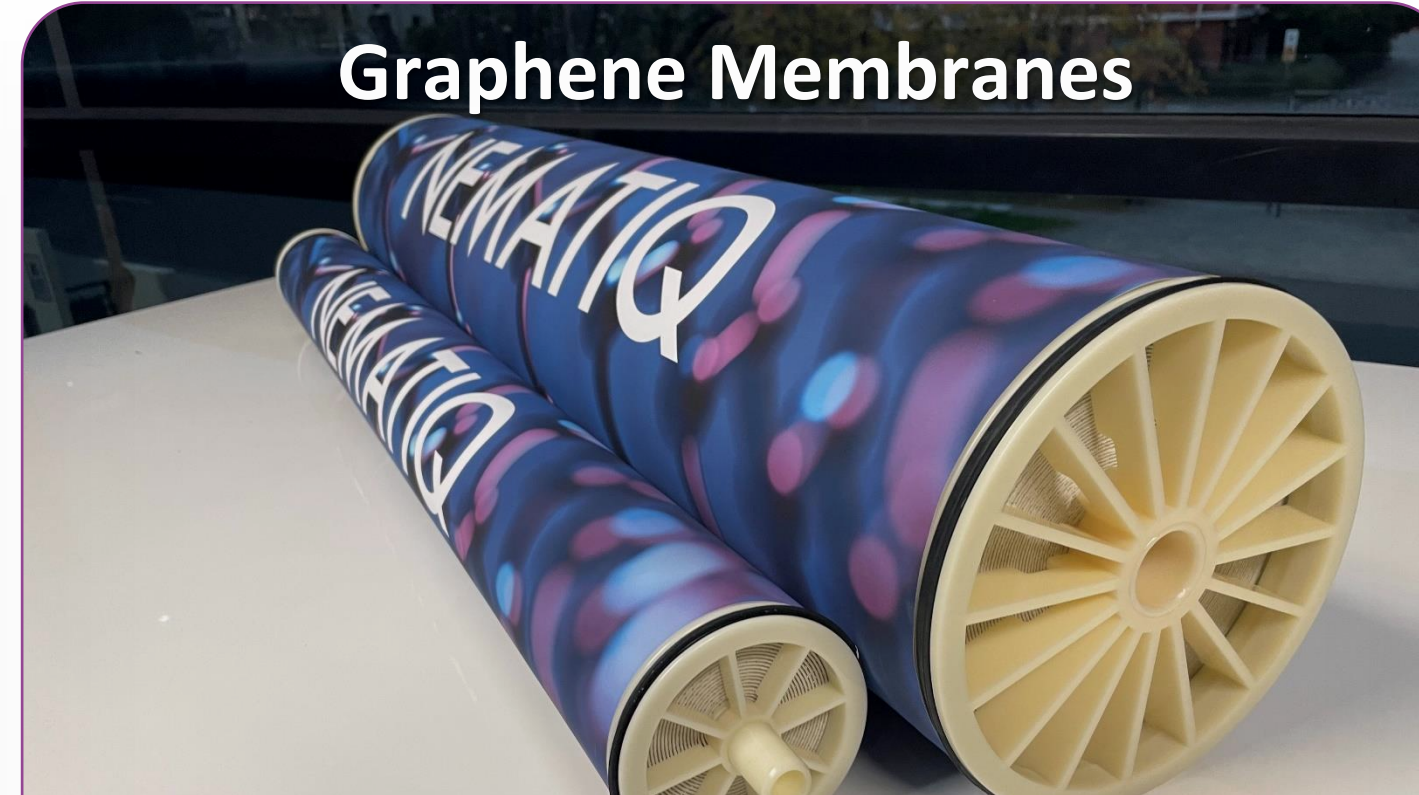
Main Updates by Business

Water Solutions



- Substantial progress across our seven projects, three already operating
- Continued new project sales, with larger and more complex projects
- Increasing income from repeat business
- Agreement with Upwell for funding of projects under BOOT model
- Strengthening of technology portfolio with ATA™
- Strategic partnerships in China, Middle East, Africa and Europe

Graphene Membranes



- Industrial scale production completed for both flat sheet membrane and subsequent modules
- Commenced laboratory-stage trials in drinking water, industrial wastewater and secondary effluent
- 2 additional patents filed at PCT stage to further protect the technology

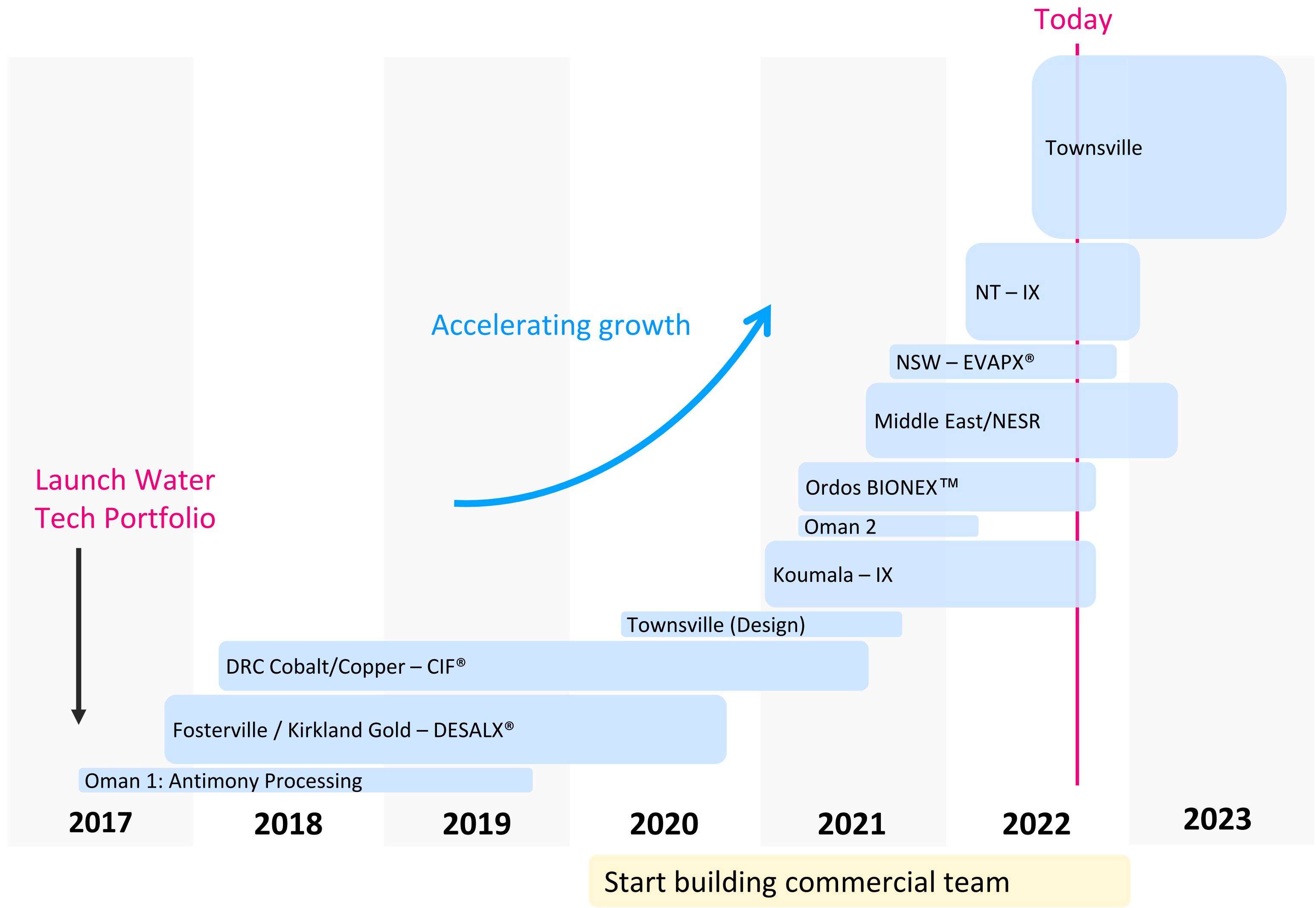
Direct Metal Extraction



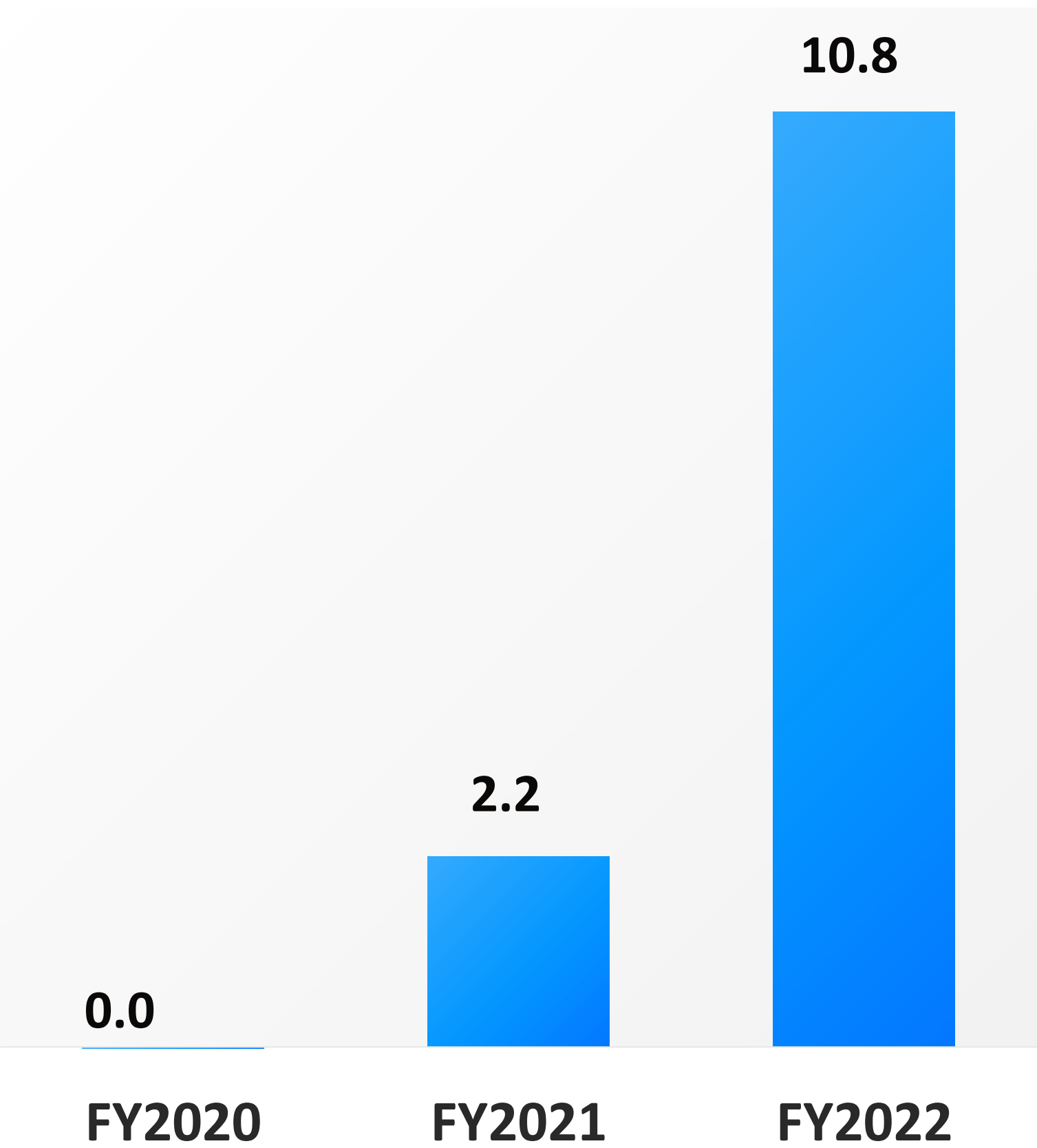
- Support Sunrise Energy Metals in recycling of Nickel and Cobalt from black mass
- Support several customers on flowsheet development, in electric and battery metals area

Strong Momentum

New Projects



Total Revenues (A\$ million)



- FY2022 Sales revenue of \$10.8 million over 90% from Water Technology Solutions
- Bright FY2023 revenue outlook with an open order book of \$16 million
- Operating leverage to deliver higher gross margins as the number and size of active projects grows
- Cash of \$6M at 30 June 2022

¹ Sales revenue 12 months from July 2021 to June 2022

² FY2023 revenue represents the target annualised revenue growth of at least 75%



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5. General Outlook

Recent Projects Central for Water Security in Regional Australia



Laramba Uranium removal through IX

- \$ 5m project for Uranium removal from ground water
- Part of a \$ 28m program to improve water to Aboriginal communities

Project update:

- Hot commissioning ongoing
- Close to handover at planned date of December 16



Townsville Municipal Recycling

- \$ 10m 15 MLD project
- Recycled water for industry and irrigation

Project update

- 85% design finished
- Major equipment contracts ordered
- Foundation finished

Other Projects Update



Nitrate removal inner Mongolia

- Coal mine waste water
- Nitrate removal with no secondary waste

Project update

- BIOCLENS portion awaiting installation
- Soft handover, plant operated by end-user.



Reinjection water for BP in Middle-East

- Increase recovery of bore well water treatment from 30% to 90%,

Project update

- Major equipment installed, construction of piping and electricals ongoing



Agricultural brine recycling

- World-leading tannery located in NSW
- EVAPX to recycle brine at reduced energy and therefore carbon footprint

Project update

- Hot commissioning ongoing
- Excellent first results
- Plan to finalize by January 2023



Queensland drinking water project

- Upgrade and improvement of drinking water in local community

Project update

- Successfully finalized one month of performance testing
- Last steps in site handover to be completed before end of this month

Commercial Outlook



Europe Interest:

- Strong technology fit with regulatory and corporate trends
- Pursuing over 30 new projects
- Preparing 4 pilots for HIROX, PHOSPHIX and GO membranes
- Relative long typical test trajectories means revenue impact expected in FY 2024

China Recovery:

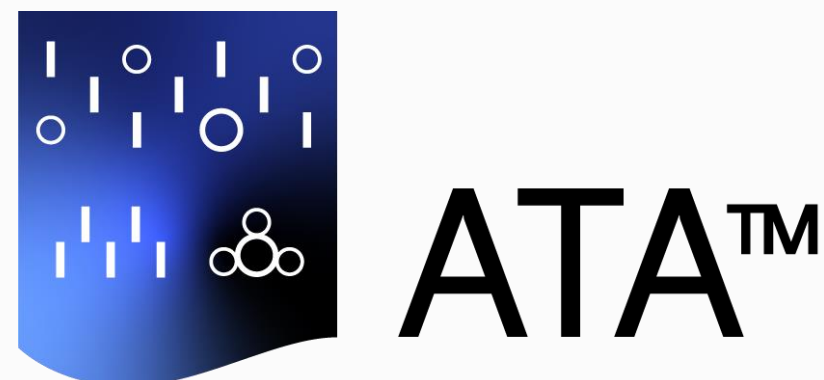
- China demand has been strongly dramatically affected by COVID
- Certain industrial sectors expected to significantly increase investments
- Nutrients (phosphate and nitrate) remain large concern
- Pursuing new partnerships focused on industrial sectors
- Three ongoing pilots

Australia and Rest of the World:

- Strong follow-up interest from latest projects in Australia
- Middle-east/NESR awaiting delivery of large scale HIROX plant
- Generating strong interest from customers from across the world
- Sales team strengthening

ATA™ Technology

- Environmentally friendly polymer-based method creating stackable solids and rapidly recovers water for reuse
- Targets Mining Tailings Management market estimated at USD\$177 billion in 2021*
- Can be combined with CLEAN-IX® to extract metals from the water and add value



Recent Developments:

- Testing for use in underground gold mining targeting license agreement for sites across South Africa
- Preparing pilot for use in Kamoia combined with Clean-IX to recover copper from tailings
- Multiple other discussions with mine owners around the world

* <https://www.absolutereports.com/global-mining-tailings-management-industry-research-report-competitive-landscape-market-21439154>



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2. Water Solutions

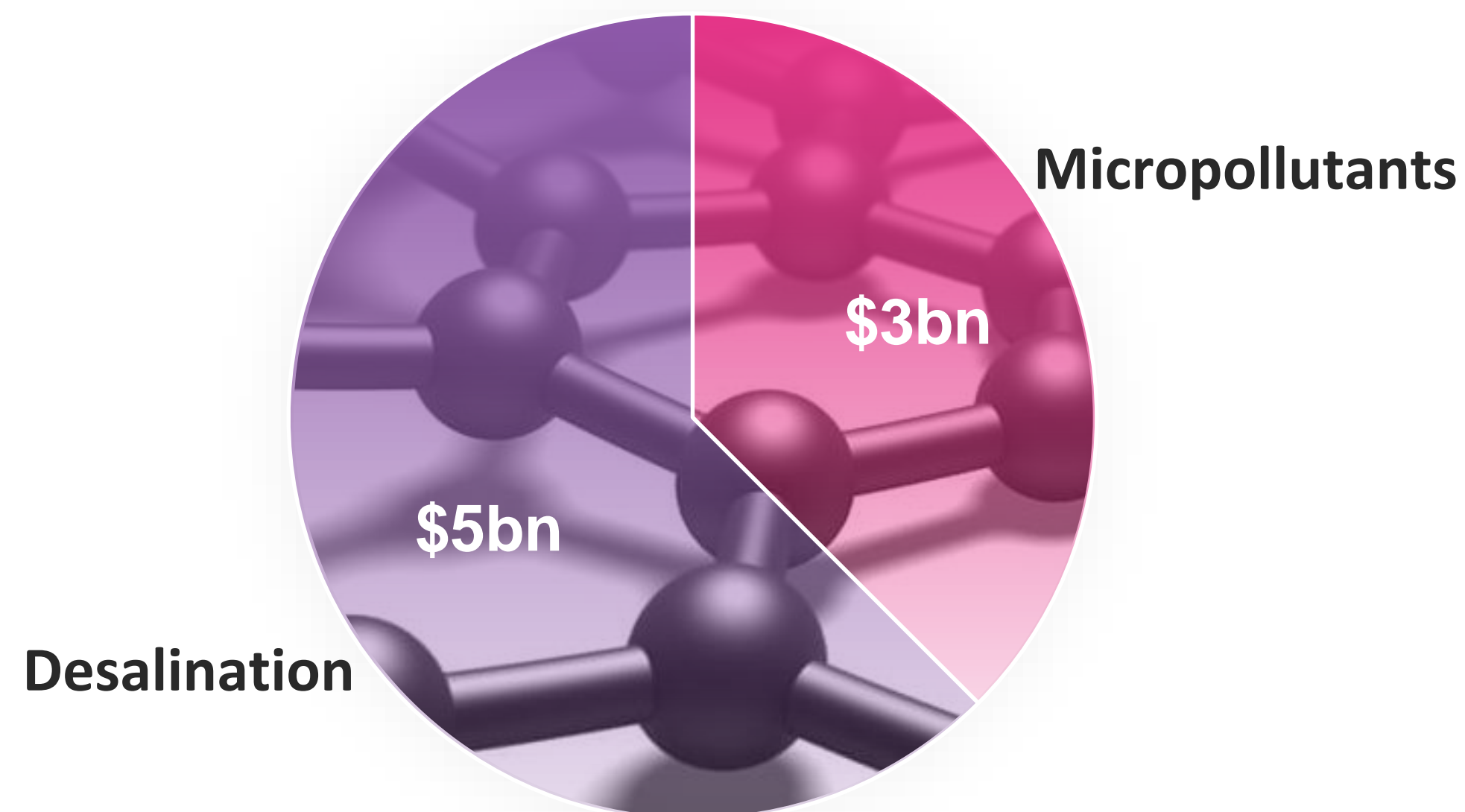
3. NematiQ

4. Direct Metal Extraction

5. General Outlook

The Membrane Market

1. The membrane market for water treatment is mature (~US\$15b of the US\$843b water market¹)
2. Innovation driven by the newcomers
3. Market consolidates via acquisition



The Establishment

DUPONT

SUEZ

VEOLIA

PENTAIR

3M

OriginWater
碧水源

LG Chem

PALL Water

TORAY

Nitto
HYDRANAUTICS
Nitto Group Company

KOCH

Synder
Filtration

ALFA
LAVALE

MANN+
HUMMEL

The Innovators

AQUAPORIN

nx
filtration

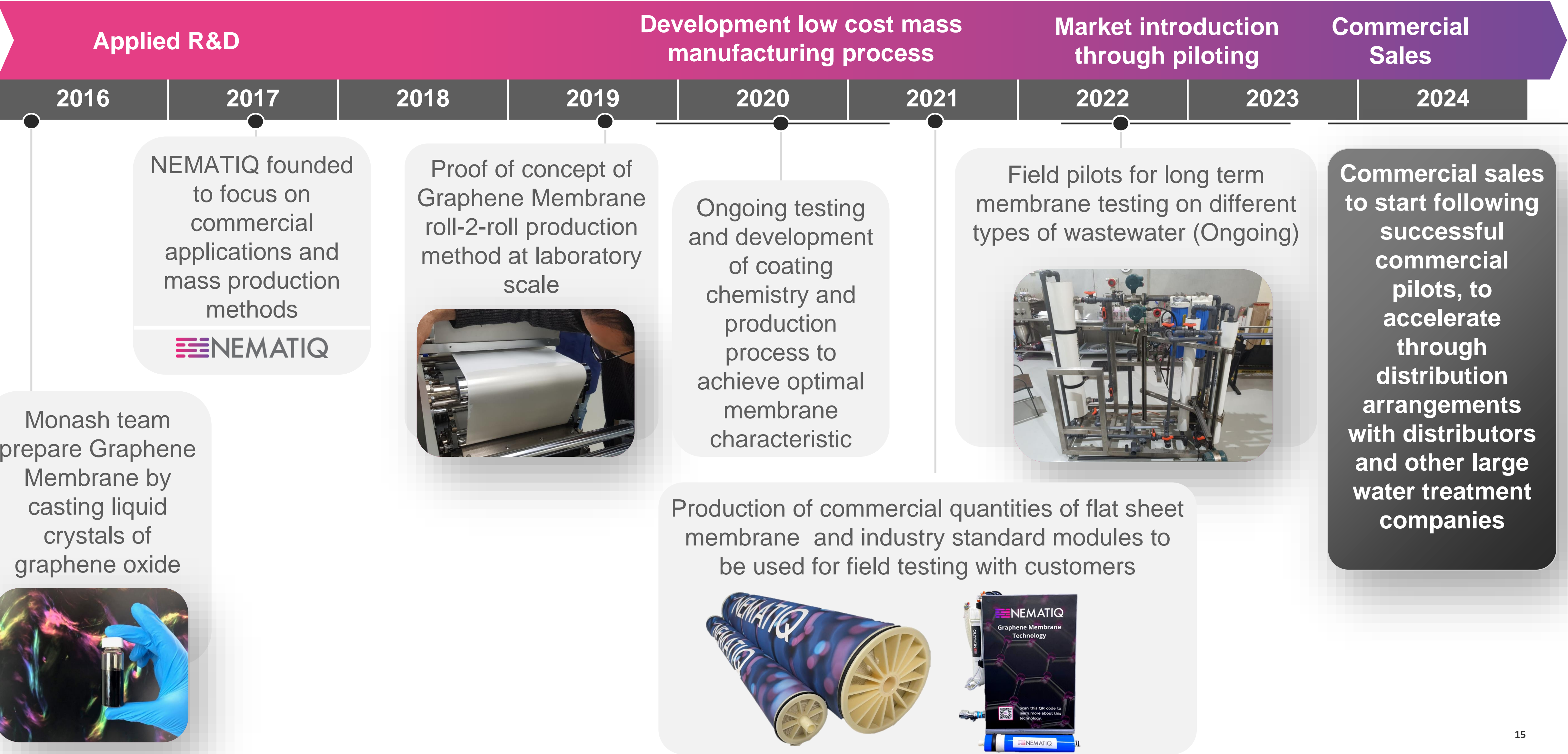
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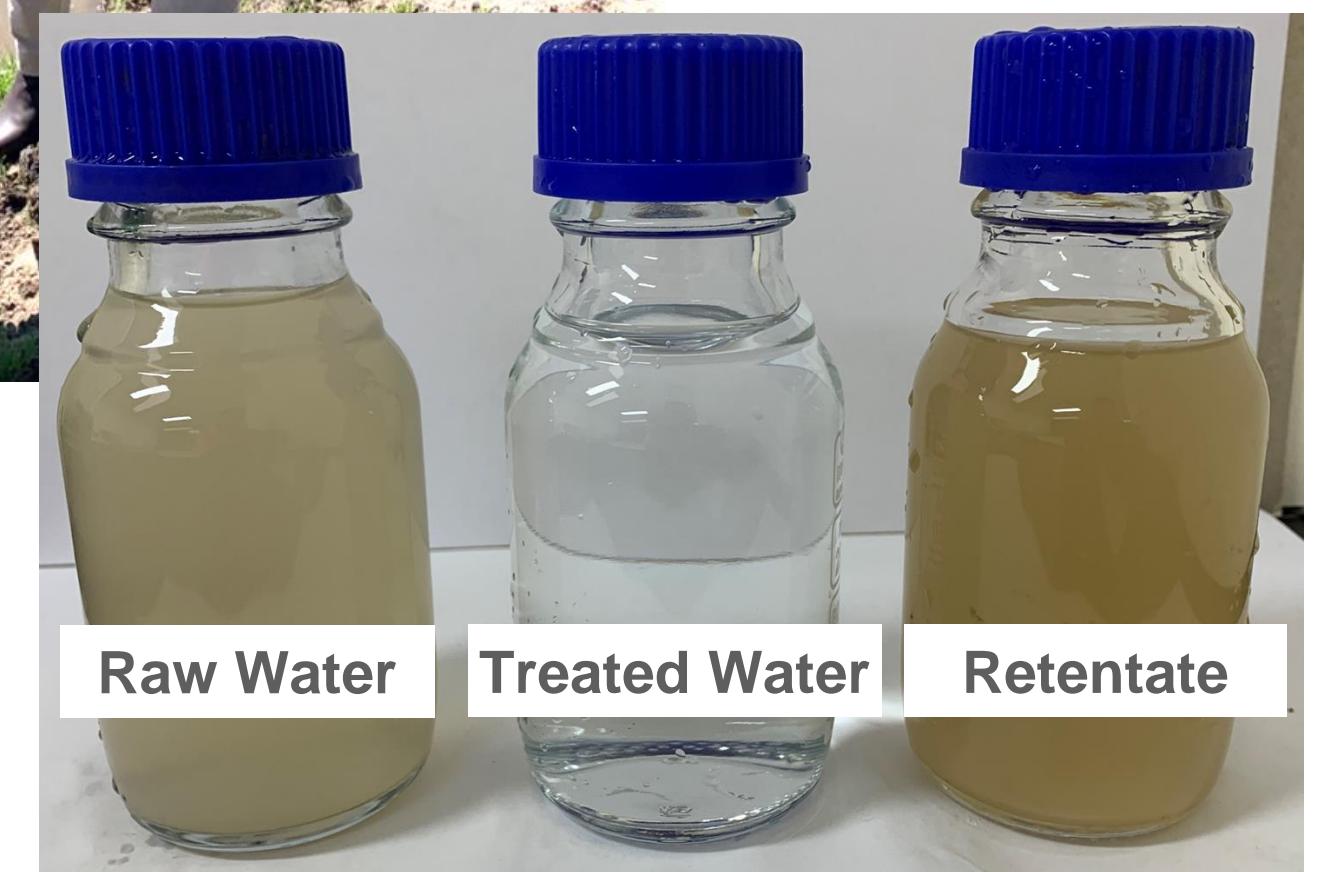
NEMATIQ

Development Timeline



Schreurs & Sons Pilot

1. MOU signed with Schreurs & Sons in September 2022. If successful, this technology will allow water recycling on their farm and reduce chemical usage.
2. An important market , as 70% of global fresh water is used in the agriculture and food & beverage industries¹
3. Water treatment market for the food industry is expected to be US\$73b by 2032²



¹ Veolia WAVE Food & Beverage 2016

² Water & Wastewater Treatment Market for Food Industry, Global newswire

Production:

1. Larger scale production to support increased piloting and initial product sales.

Market Segments for demonstration and sales:

1. **Food and Beverage:** Following from the Schreurs & Sons pilot, NematiQ will seek additional pilot demonstration opportunities primarily in Australia.
2. **Treated Effluent and Grey Water:** Initial laboratory trials have been successful. More advanced laboratory Pilot-scale demonstrations to be completed
3. **Drinking Water:** Australian certification for drinking water applications is planned for 2023CY
4. **Future Markets:** PFAS Removal, Industrial Wastewater and Industrial Separations





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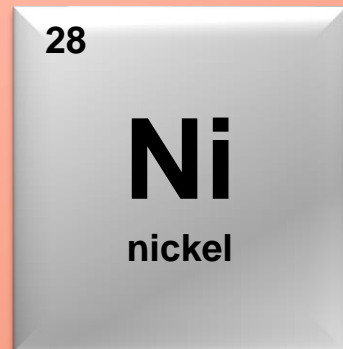
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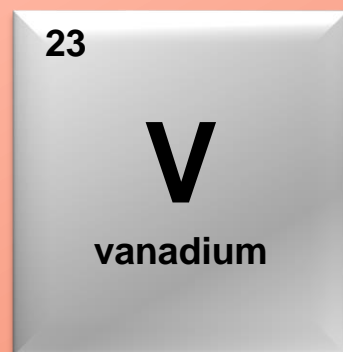
5. General Outlook

FY2022 Projects



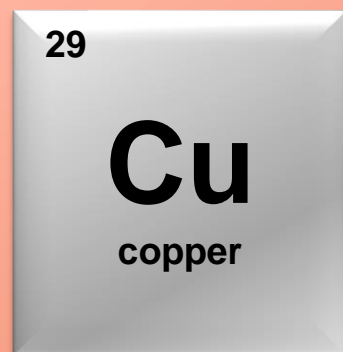
Nickel & Cobalt – Sunrise Energy Metals

Development of flowsheet for the leaching and extraction of nickel and cobalt from lithium battery black mass allow metal recycling



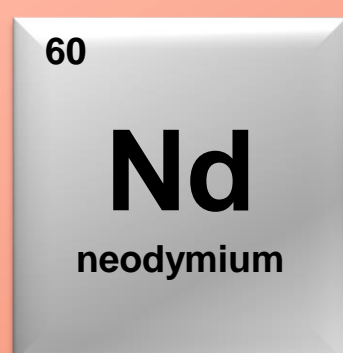
Vanadium – Several clients

Development of flowsheet for the leaching and extraction of vanadium from ores, shales and catalysts for the production of chemical grade vanadium or directly to vanadium electrolyte



Copper – Kamo a Copper Project

Development of flowsheet for the leaching of copper from copper flotation tailings using catalytic resin-in-leach



Rare Earth Elements

Development of flowsheet for the separation, concentration and purification of rare earth elements from ionic clays

Business Activities: Direct Lithium Extraction

**LOI to form Joint Venture
with key industry players**

GO2LTHIUM

*A New Paradigm in Battery
Grade Lithium Production*



Identify

Identify and option the most suitable resources and reserves



Process

Operate the best lithium carbonate / hydroxide production process



Recover

Apply the best lithium sorbent for the target brine

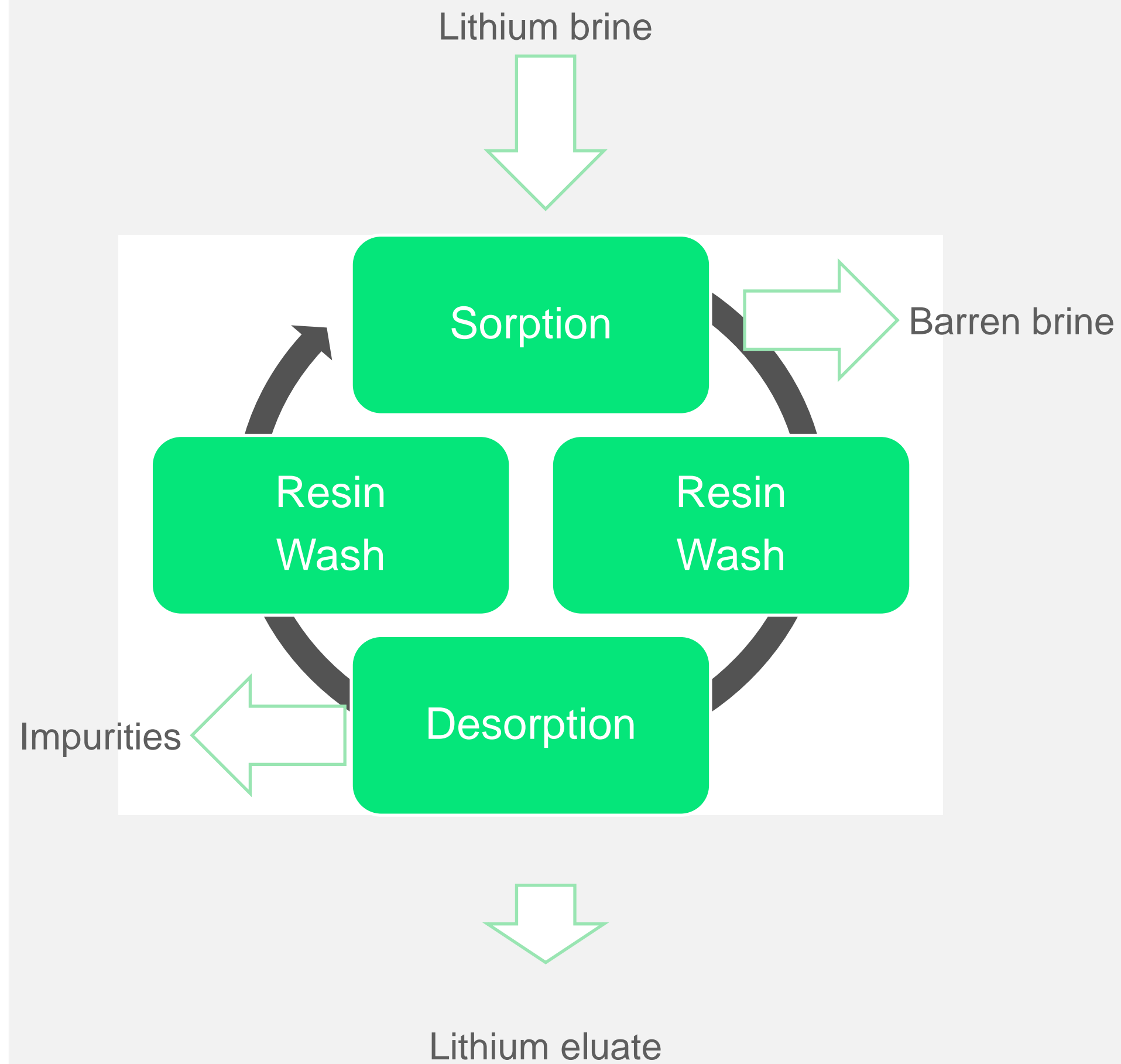


Rapid

Apply rapid prototyping and demonstration

D2L PROCESS

Process Overview

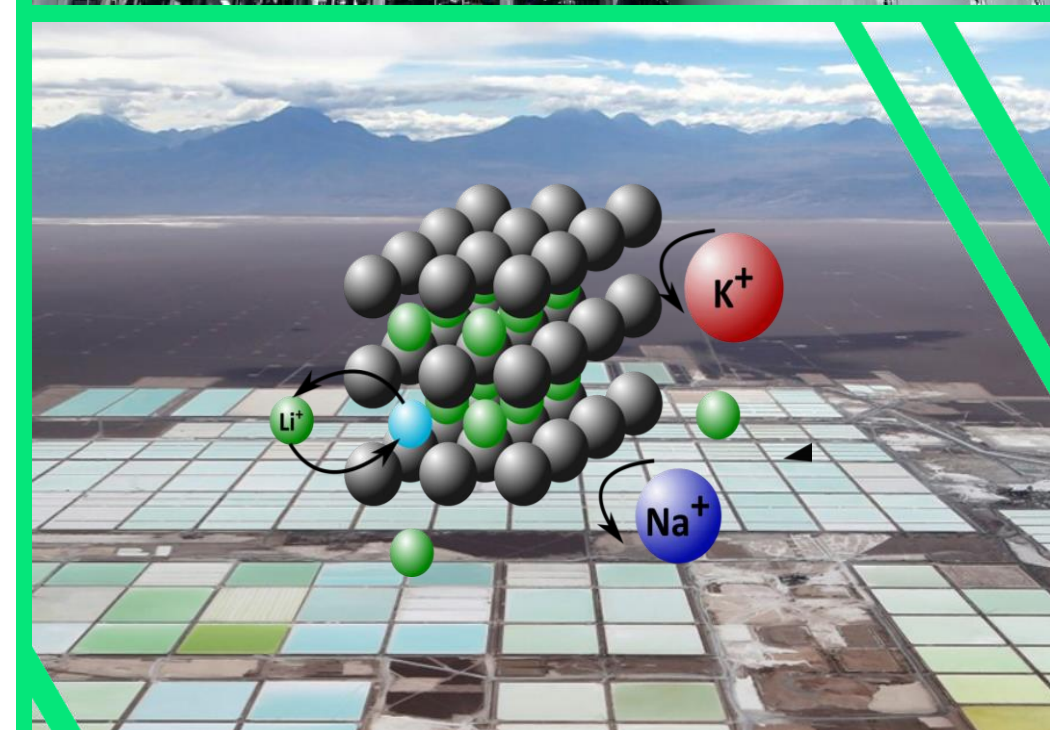


Process Design

- D2L process is based on our unique and proprietary continuous ion exchange technology
- Equipment and process integrated to optimize economic and environmental outcomes
- Solutions are recycled where possible to reduce waste and reagent use

Benefits

- Maximises lithium extraction and lithium in the lithium eluate
- Minimises impurities in eluate
- Minimises hydraulic flow downstream
- Superior economics and ESG credentials



- Delivery of high-profile projects in Northern Territories and Townsville
- Continued sales growth across Australia, establishing presence in new regions and end-user sectors
- Further international sales momentum following:
 - First pilots in Europe
 - Middle-East delivery of HIROX plant with NESR for BP
 - China re-opening
- NematiQ pilot results and addition of new pilots in critical industries
- Realize entry into DLE space through GO2Lithium