



Investor Presentation

Lewis Utting

MANAGING DIRECTOR &
CHIEF EXECUTIVE OFFICER



Real Science for a cleaner environment



Our mission is to provide practical solutions to improve the operational and environmental outcomes for our customers

SciDev is a leader in the **environmental solutions market** focused on water intensive industries. Our solutions allow our clients to:



Recycle and reuse water



Reduce waste footprints and costs



Improve operational efficiencies

Our unique solutions provide:



The only commercialised, sustainable approach to tackle the global PFAS problem



Environmentally better outcomes for our clients when dealing with liquid wastes in the Mining, Construction and Oil & Gas verticals

Our Metrics



170,000
Olympic swimming pools of water treated in FY21 generating <65t of waste



750 MCG's
of tailings treated preventing >200 million litres of water passing in to tailings

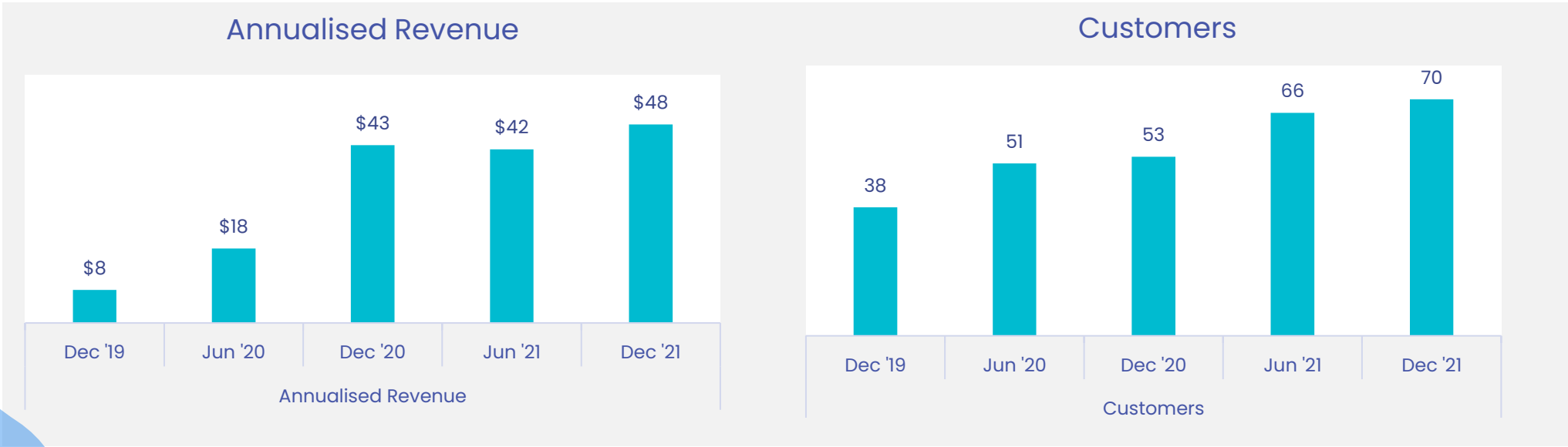


>150hrs
of research per client to develop a bespoke chemistry solution to meet their specific requirements

\$48m*
of annualised revenue as at 31 December 2022

* unaudited

\$16.4m
net cash position



170,000 Olympic swimming pools -> 425ML
750 MCG's 1m depth -> 15,000,000 dry tonnes

Our Strategy to *grow* *our global footprint*

1



Deliver client and shareholder value through supply chain integration

2



Lead the development and application of technology

3



Attract, develop and retain the best talent

4



Partner as the end to end Solution Provider

Our Growth Initiatives



Expand manufacture base



Explore adjacent growth opportunities



Charge per tonne of waste



Leverage our strength



Partner growth



Target key countries for expansion



Grow in key target markets



Fix big environmental problems



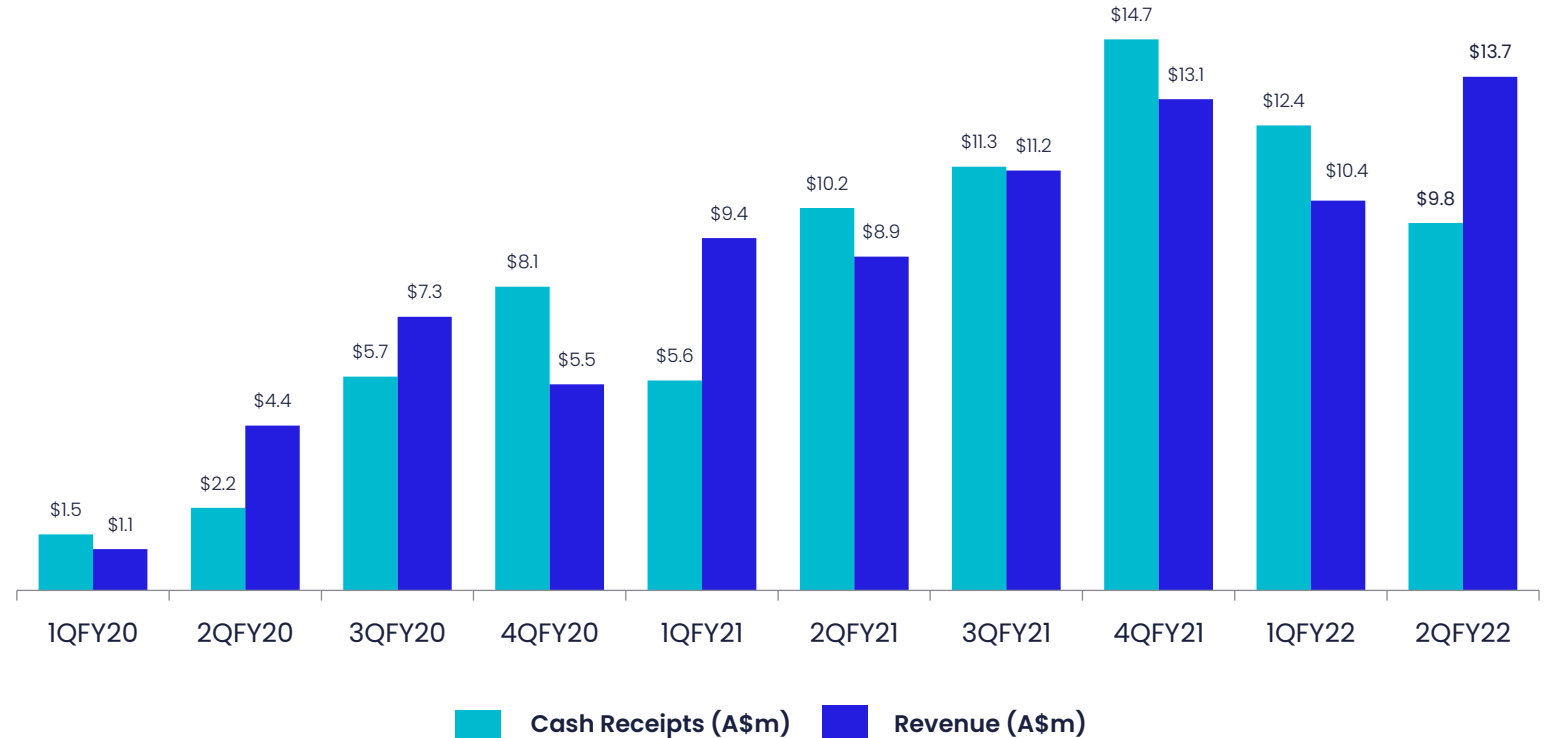
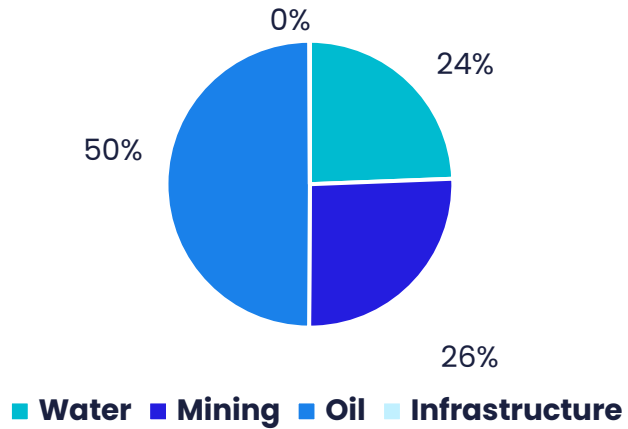
Expand our capabilities

SciDev is focused on delivering environmental solutions for water intensive industries which is a **US\$11 billion** sector within the broader **US\$100bn** global commodity chemistry market.



A High Growth Business

1H FY22 Revenue Mix



SciDev is committed to our people, environment and our communities



Our People

Our people are our key and we are committed to providing a safe and inclusive workplace

- Strong focus on safety with 0 LTIFR recorded in FY21
- Progressing towards greater gender diversity with over 25% of our workforce female
- Regeneration of the board through 2021 reflects commitment to maintaining highest levels of governance and excellence



The Environment

Our environmental solutions help reduce our clients waste footprints and costs

- We significantly reduce the volume of waste water from our clients operations
- Our leading PFAS solutions remove 99.999% of contaminants
- We are progressing the development of plant-based polymers to provide an alternative to petrochemical based chemistries



Communities

We recognise the importance of supporting community groups

- Initiative to support disadvantaged students through the Schools Plus program.
- SciDev has so far pledged \$60,000 in support of the cause which will underpin the Schools Plus 'Two Ways Science' project
- The project helps support remote Indigenous schools and communities develop and implement an integrated learning program.



Our *Business*

SciDev target four global key verticals



Mining & Mineral Processing



Oil & Gas



Infrastructure & Construction



Water

1. FY21 included contribution from SciDev Water Services Pty Ltd, the acquirer of the Haldon business. Contribution from SciDev Water Services was recognised from 12 May 2021 to end of the financial year



SciDev Solutions



Addressable Market



FY21 Revenue¹



Mining & Mineral Processing

SciDev is an industry leader in solids-liquid separation in the mining and mineral processing sector.

US \$2bn

Global mineral processing chemistry market.

A\$15m



Oil & Gas

Engineered performance solutions to recycle, reuse and minimise oilfield water waste.

US \$2bn

Specialty and production chemical market in US oil and gas industry.

A\$15m



Infrastructure & Construction

Reduce costs and operational downtime in the infrastructure and construction sectors.

US \$1bn

Infrastructure and construction dewatering chemistry market.

A\$7m



Water Treatment

Leading environmental solution provider of BOO, D&C water treatment plants for nutrient, heavy metal and organic pollutant removal

US \$6bn

PFAS, municipal and industrial water treatment market.

A\$5m



Bespoke solutions are our competitive advantage

Our unique combination of world-class technology, chemistry and application expertise enables us to deliver site-specific solutions to deliver better outcomes for our clients



60 PEOPLE

>80%

of our staff are tertiary educated as scientists, engineers, chemists, greatly aiding our business development process



RESRESEARCH

>150hrs

of research per client to develop a bespoke chemistry solution to meet their specific requirements



SOLUTIONS

12

new solutions developed and commercialised by SciDev to specifically address a clients unique environmental problem



PLANT BASED

17

sites currently using our unique and environmentally friendly plant based chemistries



EFFICIENCY

>20%

operational efficiency generated by our offer when we are the provider of services, technology and chemistry



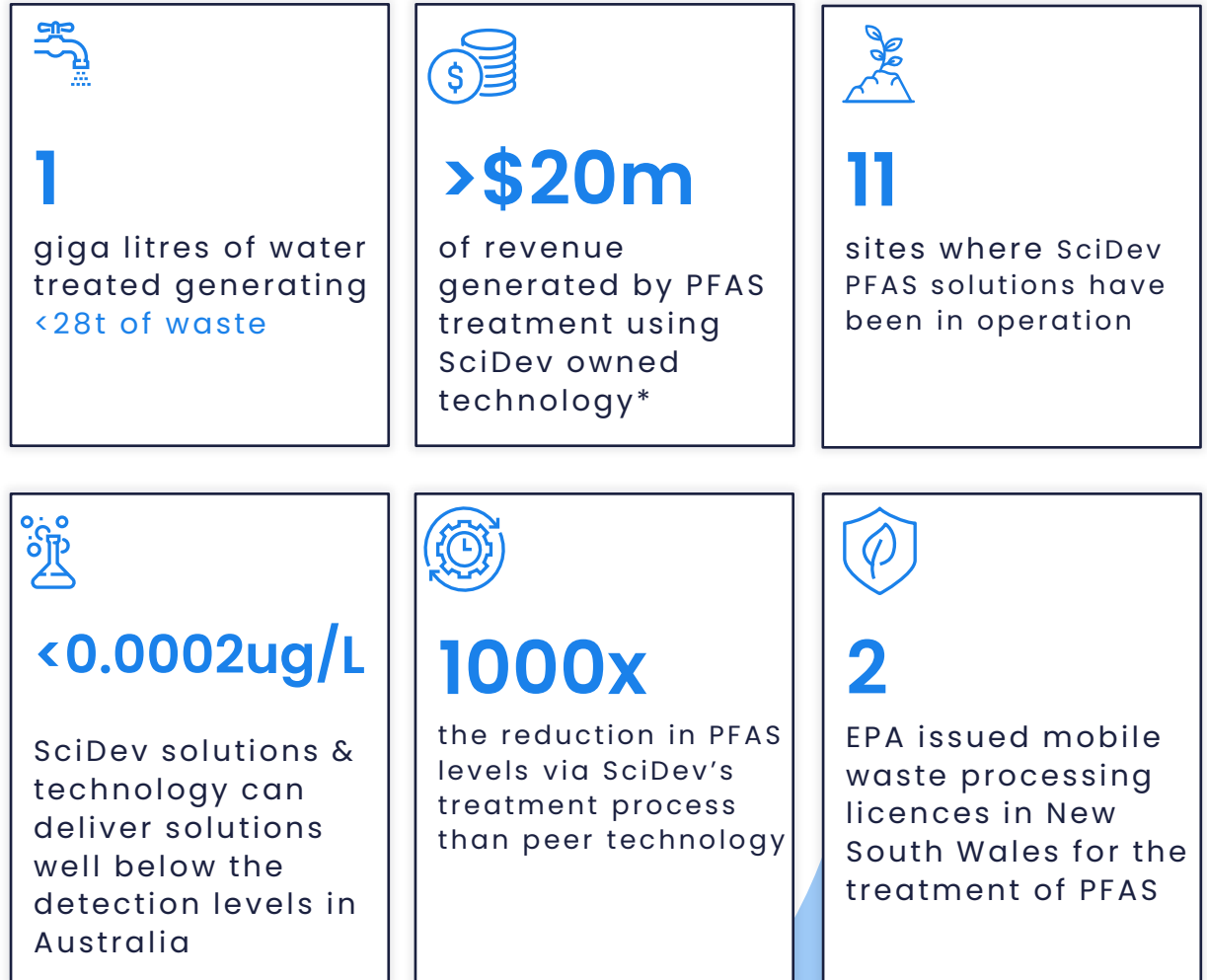
COST SAVING

>20%

saving on a clients cost base by using SciDev chemistry and professional solutions when assessing the total cost of ownership (TOC)

PFAS: a growing environmental issue

- Per- and Polyfluoroalkyl substances (PFAS) are a family of human-made chemicals in use since 1950's many of which are now banned
- Primarily found in non-stick cookware, food packaging, fabric, furniture and firefighting foams
- Ability of PFAS to remain intact in the environment results in increasing levels of contamination
- PFAS contaminated soil presents major excavation and soil management challenges in large scale construction and infrastructure projects
- Sites of PFAS contaminated soil include airports, defense bases, mines, fire & rescue stations and other hazard facilities



*includes revenue prior to Scidev ownership



Case Study

PFAS

Most mines in Australia would have low volume, but highly concentrated PFAS hotspots



The Problem



Contamination of surface water



Stringent discharge limits



Existing within a drinking water catchment area

First and only treatment process to meet the stringent Western Australian EPA discharge limits

First and only plant in the country treating to this low level detection on a **continuous basis with no discharge exceedance**

- Onsite and lab analysis to determine optimal process flow and treatment strategies
- High relative concentration of the less regulated carboxylic acids which are typically harder to remove
- AIX part of the process tailored specifically for the efficient removal of this particular group of compounds
- Fully remote monitored and operated system
- Treated over 200ML of contaminated water



RESULTS

	PFOS	PFOA	Total PFAS
Raw Water – pre treatment	0.002 µg/L	0.002 µg/L	~0.570 µg/L
Post Treatment	<0.0002 µg/L	<0.0002 µg/L	<0.0002 µg/L



Case Study

Mineral Sands

SciDev chemistry is used to improve operational efficiency in processing mineral sands tailings



The Problem



Process water had high salinity levels slowing processing time and efficiency of the operation



Conventional flocculants don't work optimally in saline water limiting performance and increasing cost



Significant variation in feed from the variable ore body further complicated the challenges



We developed the MaxiFlo[®] 550R to operate in high saline water

SciDev solved these problems by designing bespoke chemistry and applying our professional expertise

- Audit of the flocculant delivery system
- Our recommendation on the flocculant delivery system increased system capacity by 25% without using chemicals
- SciDev designed the MaxiFlo^(P) 550R to operate in the high saline environment
- Our team continued to monitor the performance and recognised the use of an alkaline solution would reduce dosage requirements, further reducing the cost to the client

RESULTS



30% reduction in chemistry dosage, lowering costs



Improved operational run time



Reduced tailings volumes



Increased water return and water quality



Case Study

Oil and Gas

SciDev developed CatChek12 specifically to work in the high brine water in the US oil & gas industry



The Problem



Efficiency of oil field chemistry performance reduces in high brine water



Increasing cost of disposing of brine water



Increasing environmental regulations focused on water discharge



For every single barrel of oil, **five barrels of water are produced.**

Understanding the challenges of oilfield water and environmental regulations SciDev's team of chemists developed CatChek12

- Initial in-house development of the unique chemical chain
- Lab trials conducted by a major E&P company identified improved permeability performance of CatChek12
- Selected for on-site use in the Eagle Ford Shale delivering improved performance in high brine water
- Commercial roll out in US oil fields in 2020

RESULTS



Significant cost saving on the client's budget



Decrease in fresh water consumption



Increase in water recycling



Adherence to growing regulation



Case Study

Infrastructure

SciDev used MaxiDry® to improve operational efficiency in tunnel boring machine slurry dewatering



The Problem



Hydrated Lime is commonly used as a filter to reduce moisture content of spoil from Tunnel Boring Machine (TBM) activities



On site, the conditions required very high levels of hydrated lime to dewater the tunnel boring waste



High levels of hydrated lime lead to increased disposal fees, workplace safety concerns, maintenance issues and a high pH balance of waste water



Cleaner spoils **reduce the environmental footprint**, greatly decreasing the cost of disposal.

SciDev worked closely with the client to identify a bespoke solution combining our unique chemistry and our professional services

- Lab trials conducted on soil samples to identify replacement for hydrated lime
- Field trials identified that the existing application point for the chemistry was not optimal
- SciDev identified a new application point for coagulant
- Multiple solutions tested to identify best application
- SciDev staff improved process flow to eliminate manual handling

RESULTS



Significant cost saving on the client's budget



Significant environment benefit



Increase in water recycling



All spoil classified as clean fill' or 'PASS'

Investing in our *production facilities* and technology development

- SciDev secures its unique chemistry supply from a range of inhouse and third-party production facilities across Australia, China and the USA
- Our Australian facility, based in NSW, **accounts for approximately 20% of our requirements** versus the domestic Australia market accounting for approximately 50% of revenue
- We are seeing growing domestic demand for our chemistry **especially among the Mining and water vertical**
- Demand is also growing in the USA for SciDev chemistry across **Oilfield and Construction** with global shipping rates making local USA production more attractive
- Expanding our Australian production facilities, helps **secure our supply chain and improve margins** on domestic Australian sales, providing more flexibility on product mix
- The expansion of our Australian facilities will also expand our laboratory capabilities and provides the opportunity for our highly skilled team to expand our knowledge of and development of **new solutions including plant and bio-based chemistries**
- The future possible utilisation of plant and bio-based polymers will further establish our leading position in the environmental solutions market and **allow our customers to reduce their carbon footprint** and reduce their demand on petro chemicals



Outlook

Outlook

SciDev delivers positive operational and environmental outcomes for our clients

OUR STRATEGIC PILLARS



Expand our manufacture base



Target key countries for expansion



Leverage our strengths

DELIVERING FOR OUR CLIENTS



Reduced operating costs by >20%



Improved environment performance



Increased water return and water quality



Reduced liquid waste volumes



Delivering best in class technology application

DELIVERING FOR OUR SHAREHOLDERS



Focus on the health and safety of all our employees



Increasing sales and cash conversion in all regions and verticals



Expand our domestic inhouse development and production capabilities



Increase operating margins through value chain integration



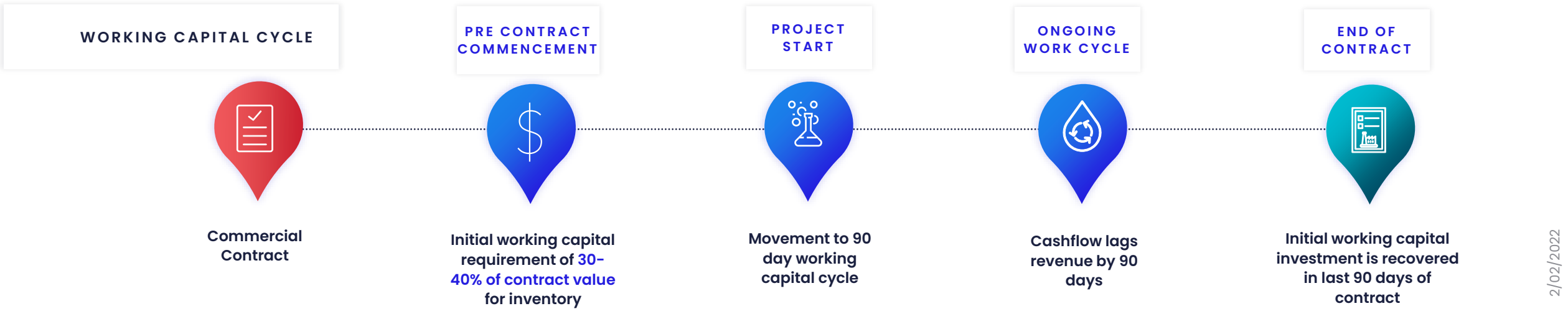
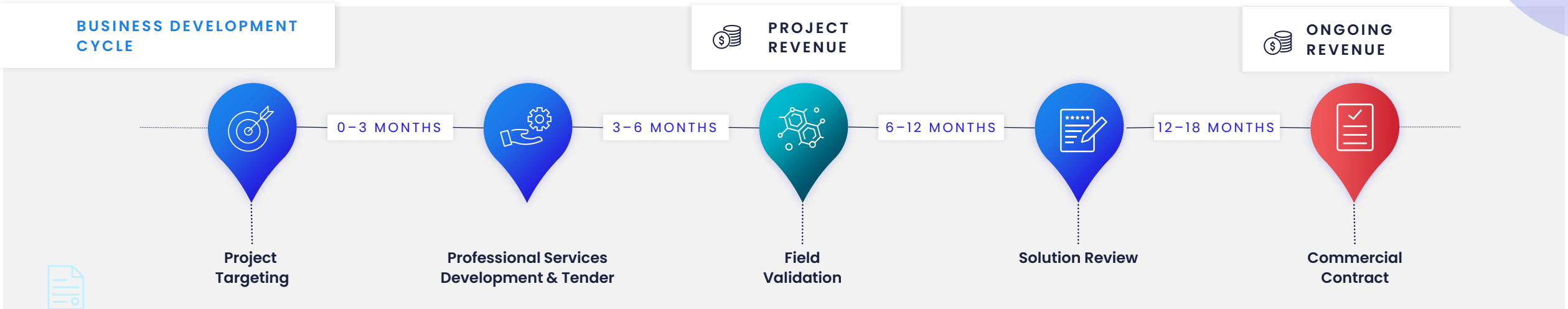
Strengthen our position as a leading provider in the environmental solutions market



The *Appendix*

THE INFO YOU
MIGHT NEED

Our Business Development and *working capital* cycle





SciDev Snapshot

Corporate overview

ASX code	SDV
Market cap (at \$0.52 per share)	\$98m
Shares on issue (at 28 Feb 2022)	187m
Cash at bank	\$16.4m ¹
Working Capital Facilities	\$6.0m ²

Major shareholders³

	% held
Board and Management	13%
Institutional	33%
Retail	54%

¹⁾ As at 31 December 2021

²⁾ Drawn \$0.0m at 31 December 2021

³⁾ As at 30 November 2021

SCIDEV BOARD



Vaughan Busby
NON-EXECUTIVE
CHAIR



Lewis Utting
CHIEF EXECUTIVE
OFFICER & MANAGING
DIRECTOR



Simone Watt
NON-EXECUTIVE
DIRECTOR



Jon Gourlay
NON-EXECUTIVE
DIRECTOR



Heath Roberts
COMPANY
SECRETARY



Dan O'Toole
NON-EXECUTIVE
DIRECTOR

EXECUTIVE MANAGEMENT TEAM



Anna Hooper
CFO



Craig McCloskey
INTEGRATION
DIRECTOR



Kevin Smith
PRESIDENT
NORTH
AMERICA



Jamiel Muhor
BUSINESS
DEVELOPMENT



Jeffrey Zhiang
MARKETING &
STRATEGY DIRECTOR



Ben Gill
TECHNICAL
DIRECTOR



Sean Halpin
COMMERCIAL
DIRECTOR



Jake Reardon
TECHNICAL
DIRECTOR



Disclaimer

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INVESTOR RELATIONS

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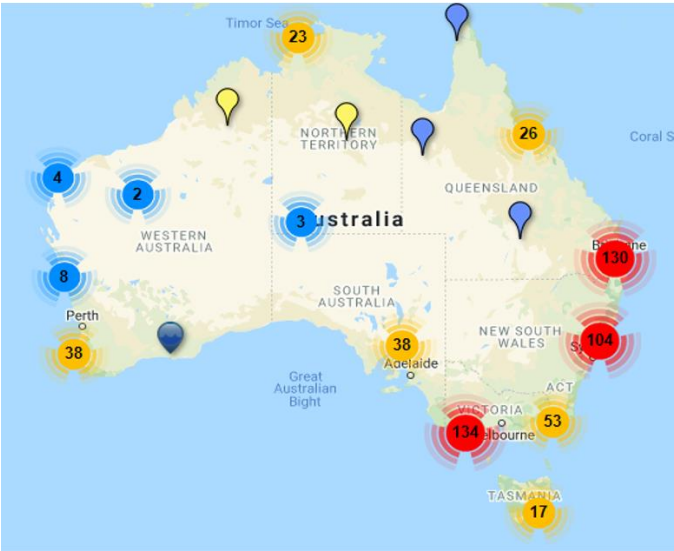
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PFAS

PFAS: a growing environmental issue

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- PFAS contaminated soil presents major excavation and soil management challenges in large scale construction and infrastructure projects
- Sites of PFAS contaminated soil include airports, defense bases, mines, fire & rescue stations and other hazard facilities

Over 580 sites around Australia have been identified to potentially contain PFAS.



SciDev solutions & technology can deliver solutions well below the detection levels in Australia

Location	ug/L
SciDev process detection limit	<0.0002
Reuse Soil	0.001
Drinking Water	0.07
Unlined landfill	0.07
Recreational Water	2.0
Fire Station (example)	600



THE PFAS SOLUTION

SciDev has **the only** commercialised, sustainable approach to tackle the global PFAS problem

Our PFAS treatment solutions **remove 99.999%** of the contaminants

SciDev has been **awarded EPA licenses** for the mobile treatment of PFAS

Our PFAS solutions are **active on sites** across Australia

PFAS Treatment

- Every PFAS project is different and requires a tailored approach. This drives efficiency.
- Historically, the detection & measuring of PFAS in the environment lacked detailed accuracy at low residual levels.
- Recent technology has seen detection sensitivity increase, driving greater regulations on PFAS concentration limits.
- SciDev Water designs and develops **robust PFAS** treatment strategies considering all variables and outcomes.
- **Removal rates** being achieved with our clients are currently **the most efficient** in the country reducing residual levels below existing detection limits.
- Significant ability for SciDev to deliver a **full treatment** solution to major infrastructure and construction projects on their **water** treatment and **PFAS** remediation requirements.
- SciDev Water has been successful in creating a profitable business in the growing market for treating PFAS with internally developed IP.





Case Study

PFAS – Mining Site

Most mines in Australia would have low volume, but highly concentrated PFAS hotspots



The Problem



Contamination of surface water



Stringent discharge limits



Existing within a drinking water catchment area

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