



Building an advanced

Industrial Water Treatment

technology company

Bahay Ozcakmak

Group Managing Director & CEO

03 October 2022

ASX: PWN | pwnps.com

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Additional Information

This presentation has been prepared by Parkway Corporate Limited ("Parkway" or the "Company")(ASX: PWN) and has been released on the ASX announcement platform and is also available at the Company website:

www.pwnps.com

Additional information regarding the Company can also be found at the Company's website, or by contacting the Company at:

ir@pwnps.com

Presentation Outline



Overview

This presentation is intended to provide an introduction and general overview of Parkway.

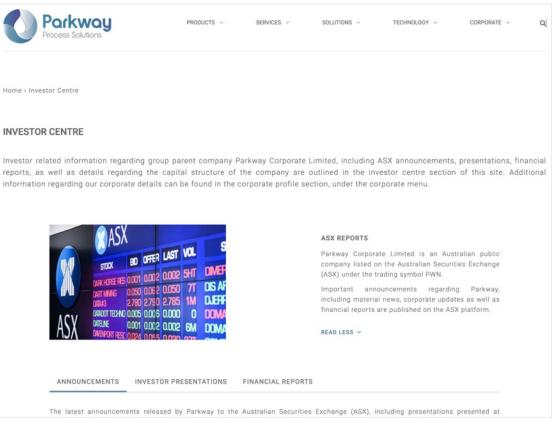
Key Topics

- Corporate Overview
- The Problem Extractive Industries Wastewater
- Sustainability The Challenge of Our Time
- Growing Water Challenges Facing Industry
- Key Addressable Markets
- PPT Proprietary Technologies from Parkway
- PPT Industrial Technology Commercialisation
- PPT Typical Business Development Cycle
- Technology Application CSG Case Study
- Parkway Group Structure
- PPS Integrated Solution Provider
- Building Capabilities Generating Traction
- Investment Case
- Appendices



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Additional information about Parkway, is available from the Investor Centre: www.pwnps.com/collections/investor-centre

Corporate Overview



Capital Structure	Current
Ordinary Shares (PWN) on issue	2,213,280,416
12-month Trading Range	\$0.008 - \$0.014
Market Capitalisation (at \$0.009)	\$20 million
Unlisted Options (\$0.020, 16 Dec 2022)	310,166,664
Unlisted Options (\$0.030, 02 Feb 2023)	177,277,773
Unlisted Options (\$0.019, Jul/Dec 2024)	260,931,548

Major Shareholders	%
Holdings associated with Group MD	9.9%
Lions Bay Capital (Canadian LIC)	7.6%
BNP Paribas Nominees / Deutsche Börse	7.4%
BNP Paribas Noms / EU & Institutional	4.3%
Top 20	46.4%

Funding	\$
Debt	nil
Cash (at 30 June 2022, excl. grants)	\$4.1 million
Cash (at 30 Jun 2022)	\$4.1 million

All amounts refer to Australian dollars

Experienced Team

- Strong corporate, strategic M&A, industrial and technology experience.
- Highly focused team methodically executing corporate strategy.
- Board, KMP and employees are strongly aligned with shareholders.
- Details about board & management outlined in <u>Corporate Profile</u>.

Defined Strategy

- To build an advanced industrial water treatment technology company.
- Staged approach to generating revenue and commercialising technology.
- Commercially pragmatic to ensure reasonable value capture.

Well Resourced

- Significant financial resources and **demonstrated financial discipline**.
- Accumulation of inventory (PPS) and R&D funds (PPT, grants & rebates).
- Established operations in Melbourne, Perth & Darwin, Australia.

Building Momentum

- Internal technical/commercial capabilities expanded substantially.
- Established partnerships with key industry players to align interests.
- Strong relationships with existing clients and future prospects.





Globally significant water challenges, particularly from extractive industries.













Electrification and Net Zero





The electrification of transportation and heavy-industry ...

... is key to reducing emissions and achieving net-zero.



However, Electrification Requires Minerals



Electrification

- Copper is critical to electrification.
- A dramatic increase in copper supply is required in the next 20 25 years, essentially equivalent to all the copper ever mined in human history.

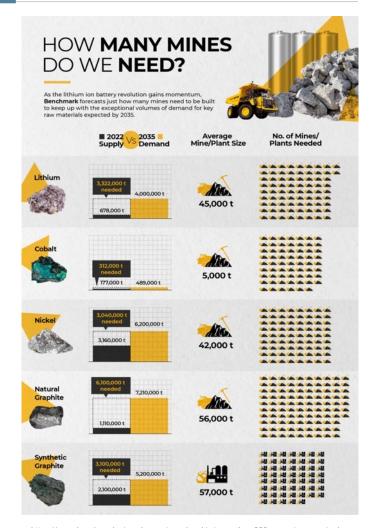
Lithium Ion Batteries

 Batteries, particularly lithium ion batteries, are a key technology, required for electrification of many mobile but energy intensive applications.

Critical Minerals

- Electrification, lithium-ion batteries as well as most clean energy technologies require vast quantities of critical minerals.
- According to the International Energy Agency (IEA), key critical minerals, include copper, lithium, nickel, cobalt and rare earth elements.

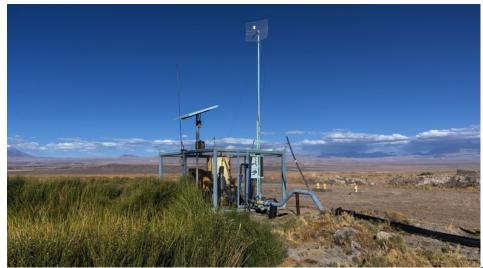
The green revolution is inextricably dependent on new mine development, as a source of these critical minerals.



https://www.benchmarkminerals.com/membership/more-than-300-new-mines-requiredto-meet-battery-demand-by-2035/

Mining Required for Supply of Critical Minerals





Mining of critical minerals requires vast amounts of water ...

... often in regions with limited sources of water, with competing uses.



Legacy of Extractive Industries – Mining





Bloomberg

Green Hyperdrive

Saving the Planet With Electric Cars Means Strangling This Desert

Mining lithium and copper to supply the battery boom and fight climate change is wrecking a fragile ecosystem in Chile.

Degraded environment including acid & metalliferous drainage (AMD).



Legacy of Extractive Industries – Energy





Degraded environment from oil production in Northern Alberta, Canada.

https://www.nationalobserver.com/2021/10/18/news/enviro-groups-want-feds-step-after-report-reveals-albertas-tailings-ponds

Waste brine ponds from gas production in Queensland, Australia.



https://www.abc.net.au/news/rural/2022-04-26/gueensland-coal-seam-gas-industry-big-salt-problem/100990978





True sustainability is not possible, without sustainable water and wastewater management.













Sustainability - The Challenge of our Time



1) We Need to Improve Sustainability

- In order to improve sustainability,
 - we all understand we need to reduce emissions.
- However, it is less commonly understood that, we also,
 - need to better manage our valuable water resources.

2) Electrification is a Key Lever to Improve Sustainability

- Electrification underpins economic development, and also
 - provides opportunities to decarbonise the global economy.

3) Electrification Requires Mining & Energy

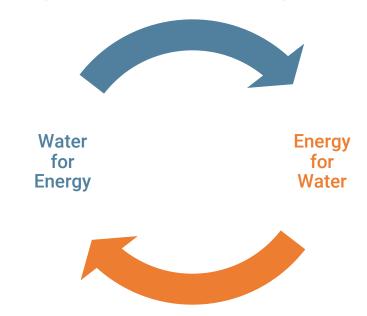
The mining and energy industries are large users of water.

True Sustainability

- Sustainability is about more than emissions reductions.
- True sustainability can only be achieved by:
 - Ensuring the extraction and utilisation of water is sustainable.
 - Wastewater production is eliminated, or minimised, through reuse and beneficial treatment processes.

The Energy-Water Nexus

- Large volumes of water needed for:
 - cooling in thermal power generation.
 - fracture stimulation in oil & gas wells.
- Large amounts of energy are required for:
 - producing water through desalination processes.
 - operation of wastewater treatment plants



Growing Water Challenges Facing Industry



Industry Profile: Mining

- The mining industry is a large consumer of water, an issue that is only compounded by the fact that many mines are located in arid environments where water is already scarce.
- The overall demand for water is forecast to rise by as much as 500% for some metals by 2025, driven by increased applications in batteries, renewable energy and other green technologies.
- However growing environmental, social & governance (ESG) constraints on metals production (particularly copper, lithium, nickel) threaten to make many projects unviable in coming years.
- Water scarcity identified by Fitch as the greatest emerging risk to the metals and mining sector.
- Compounding the water challenges facing the mining industry, is the wastewater storage in tailings dams which are accounting for a growing portion of total operating costs and also present risks.

Implications: Society is demanding more sustainable operations, which means the mining industry will increasingly need to adopt process and wastewater treatment technologies, to reduce net water use.

Industry Profile: Desalination

- For every litre of freshwater output, desalination plants produce on average 1.5 litres of waste brine.
- World's ~16,000 desalination plants discharge 142 million m³/day of waste brine daily.
- Brine management can represent up to 33% of a desalination plant's operating cost.

Industry Profile: Energy

- The oil and gas industry faces similar wastewater treatment challenges as the desalination industry.
- In many cases, these environmental liabilities will persist for decades after operations have ceased.

FitchRatings

Water Scarcity Is Greatest Risk to Metals and Mining

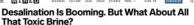
Related Fitch Ratings Content: Increasing Water Risks in Metals and Mining - Low-Carbon chnology Supply Chains Face Growing Constraints

Fitch Ratings-London-08 July 2020: The 2020 metals and mining survey. 'Emerging ESG Risks in the Metals and Mining Value Chain' - a collaboration between Fitch Ratings and CRU - highlighted water scarcity as the greatest emerging risk to the metals and mining sector, according to investors. Pressures such as localised water shortages and competition for water are likely to increase in the coming decades, causing increasing challenges for battery and low-carbon technology production.

Mining often faces operational risks with regard to water supply, and is one of the most water intensive industries. Although efforts have been made to increase the efficiency with which the industry uses water, more and worse droughts and greater competition for water resources are posing growing challenges. The industrial utilisation of water is often constrained before the water

and is forecast to rise by as much as fivefold for some metals by 2025, according to CRU friven by increased applications in batteries, renewable energy and other green technologie However, there are growing social and environmental constraints on production that threaten to make many projects unviable in the coming years. These may begin to disrupt dependent supply chains and products - a particular concern given the time and costs required to develop large-scale solutions such as desalination and wastewater recycling.

A major emerging concern for the sector is the management of mine tailings and its storage in tailings dams. A number of high-profile mine disasters from tailings dams highlight the need for the



salination plants turn seawater into drinking water, but also pump hypersaline water bac to the environment. That's especially troubling because desal has become extremely pop



Industrial Wastewater Treatment Market worth US\$ 140 Bn by 2027

Character 20 2021 # 5 Min Board

Bn in 2018, and is anticipated to expand at a CAGR of more than 5% during the





Next-Generation Technologies provide an opportunity to solve these problems, sustainably.













Key Addressable Markets



Key Markets

- Wastewater treatment opportunities
- < 5% of wastewater currently recycled
- Large and growing global markets

Challenges

 Major challenges impacting industry

PPS Opportunity

Parkway Process Solutions (PPS)

PPT Opportunity

 Parkway Process Technologies (PPT)

Global Market Size

Mining & Energy



- Limited access to freshwater is driving need to recycle wastewater
- Wastewater storage is problematic
- Processing of waste is complex
- Projects require range of products and conventional solutions
- Solid-liquid separation options including chemistry as well as membrane based approaches
- Projects require range of products and next-generation solutions
- Opportunity to recover economic quantities of metals & reagents
- Product recovery funds treatment

> \$25 Billion / yr

Industrial Wastewater



- Access to freshwater is becoming more difficult, costly and uncertain
- Wastewater discharge is difficult
- Processing of waste is expensive
- Projects require range of products and conventional solutions
- Removal of contaminants and organics to meet wastewater discharge requirements
- Projects require range of products and next-generation solutions
- Opportunity to recover (and sell) and/or destroy contaminants, allowing subsequent discharge

> \$100 Billion / yr

Municipal & Desalination



- Wastewater storage and discharge is increasingly being scrutinised
- Conventional treatment can be complex due to salts and organics
- Projects require range of products and conventional solutions
- Removal of salts, nutrients and organics to meet wastewater discharge requirements
- Projects require range of products and next-generation solutions
- The requirement for zero liquid discharge (ZLD) is increasing with with objective of reducing volumes

> \$25 Billion / yr

Market size estimates, in Australian dollars

PPT - Proprietary Technologies from Parkway



Overview

 Parkway owns a portfolio of proprietary (including patented) wastewater treatment related technologies.

aMES® Technology

- Innovative process technology that enables the treatment of concentrated aqueous solutions to recover a range of valuable minerals, reagents and fresh water.
- Significant progress in developing modularisation approaches to support technology commercialisation.
- PFS study findings supported by state-of-the-art pilot plant.

iBC® Technology

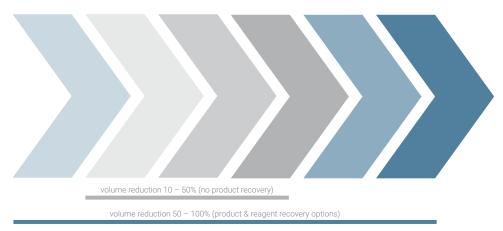
- Innovative process technology that removes common impurities from brine streams enabling further processing.
- Core technology in landmark feasibility study with QGC Shell.
- New pilot plant reached mechanical completion in August 2022, and is ready to support larger-scale evaluations.

Strategic, Research & Development Pipeline

- Secured additional rights to synergistic technologies.
- Significant ongoing investment in R&D and commercialisation to advance range of technologies.

Integrated Solutions

- Parkway offers both industry standard (conventional) and nextgeneration (PPT) technologies including integrated offerings.
- Integration of both conventional (grey) and proprietary (blue) technologies, deliver the most comprehensive process or wastewater treatment solution for the client.



Integration of Process Technologies

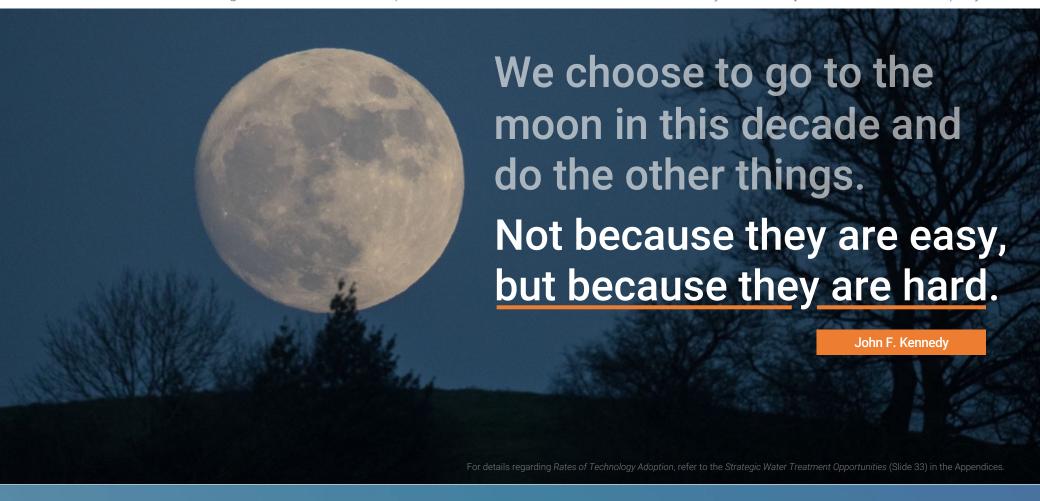
- Portfolio of both conventional and proprietary technologies, suitable for delivering integrated wastewater treatment solutions.
- Commitment to adopting best available technology or best available techniques (BAT) to meet project objectives and satisfy regulatory obligations (as required).

Disruptive Industrial Technologies



Technology Commercialisation

• New industrial technologies take time to develop, however, when commercialised successfully, can **disrupt entire industries**, rapidly.



PPT - Industrial Technology Commercialisation



State-of-the-Art Technology Platform

- Technology platform specifically developed for commercialising innovative wastewater related process technologies, globally.
- Established strategic partnerships with **world-class partners**, underpin the strength of the **innovative technology platform**.

aMES® Pilot Plant



iBC® Pilot Plant



Laboratory Facilities



Creating, Extracting & Protecting Value

Additional information on Parkway website:

- Innovative Business Model
- Multi-layered IP Strategy
- iWPaaS™ Technology Platform

Challenging Wastewater Streams

- Very large addressable markets
- Limited conventional wastewater treatment options available
- Projects require innovative approach
- Clients amenable to new technologies

INDUSTRIAL CLIENTS



- Portfolio of industrial process technologies includes:
 - aMES®
 - iBC®
 - tech pipeline
- Deep technologies provide clear value proposition



Proprietary Process Solution

- State-of-the-art process simulation and engineering and capabilities
- Process integration to develop flowsheet
- Technoeconomic models support early business case development



Technology Solution Validation

- Large inventory of conventional and next-generation process pilot plants
- Integrated process piloting capability
- Process piloting supports feasibility study development



Project Feasibility & Execution

- Internal project development and execution capabilities
- Strong support from Worley, a leading global engineering company
- Global partnership
- Capacity to deliver large tier-1 projects



PPT - Typical Business Development Cycle



Overview

- Given the nature of target projects (large, complex and long-life operations), the business development cycle is similarly sophisticated with many stakeholders.
- Parkway is currently advancing a pipeline of projects through key business development stages, with a specific focus on high value and strategic applications.
- Indicative timelines associated with the business development cycle are outlined below. The trajectory of each project varies depending on specific factors.

Revenue **Upfront and Recurring Revenues** Revenue **Revenue Generation** Cost recovery Client funds concept and feasibility studies EPCM related fees Constant focus on revenue visibility. Supports business Engineering and professional services fees Professional services fees development Early revenues from conventional WTP (if possible) Recurring technology royalties **Business Development Opportunity Evaluation Preliminary Pilot Studies Concept & Feasibility Studies Contractual Arrangements Project Execution & Operations** Inbound PPT enquiries Project delivery model Exploratory discussions Bench-scale piloting Concept study (3 months) Project execution / EPCM PPS generated Desktop evaluations Proof-of-concept • FS (9 mo.) / DFS (12 mo.) Project execution plan Project operations Partner generated Business case evaluation Large-scale piloting Commercial terms Project optimisation Precursor to major studies **ONGOING PRIORITISATION** 0 - 3 MONTHS 3 - 4 MONTHS 3 - 12 MONTHS 6 - 12 MONTHS **ONGOING**

Priority Applications

- Hydrometallurgical refineries (Co, Cu, Li, Ni)
- Oil & gas wastewater
- Industrial wastewater
- Mineral brine projects
- Desalination brine

Various Opportunities

- Large range of potential applications under ongoing review
- Market segment specific applications are at time evaluated with various strategic partners

Various Projects

- Mining upstream various
- Mining downstream various
- Oil & gas upstream
- Industrial refineries
- Mineral brines

Proposals Developed

- Performing landmark feasibility study for QGC Shell based on iBC®
- Invited to participate in range of RFT projects
- Range of proposals at various stages

iWPaaS™

innovative Wastewater Processing as a Solution™

Project execution and operations phase

Strategic Opportunities

• In parallel with existing technologies, Parkway has secured certain rights to a range of **innovative OEM related technologies** (key details remain commercial-inconfidence) and is exploring similar **synergistic opportunities**, which have been assessed to have the **potential to be highly disruptive and transformative**.

ASX: PWN | **Corporate Presentation** | 03 October 2022 pwnps.c

Technology Application Case-Study





The QGC Shell feasibility study is a landmark milestone, highlighting the transformative potential of our technology.













Addressable Market - Coal Seam Gas Case Study



CSG Related Wastewater Challenges

- Coal seam gas (CSG) operations in Queensland currently produce 55,000,000,000 litres of associated water, annually.
- Concentrated brines derived from the treatment of associated water, contain 194,000 tonnes of dissolved salts annually, rising to 5,500,000 tonnes over the life of existing CSG projects.
- The recovery and disposal of these mixed salts represent a substantial risk and liability (cost) to CSG project operations.





QGC Shell - Kenya Water Treatment Plant, in Queensland, Australia

Market Opportunity

- Strong regulatory environment relating to environmental authority (EA) to develop and operate CSG projects in Queensland, requires brine or salt residues to be treated to create useable products, wherever feasible.
- In excess of \$100 million invested by CSG industry over a decade to identify a long-term solution to treating brine and salts, no viable pathway has been identified to date.
- In addition to brine processing costs, CSG operators are required to pay significant salt disposal costs, including a regulated waste levy in the order of \$125 - \$175 per tonne.
- Additional information about the CSG related market. opportunity is outlined in 07 April 2022 ASX announcement.

CSG Case Study - Feasibility Study for QGC Shell



Overview

- QGC (a Shell Group company) is one of Australia's leading gas producers and has invested >\$2 billion on water infrastructure.
- Parkway has been collaborating with QGC for several years.
- On 7 April 2022, QGC awarded Parkway a material contract, to perform a landmark feasibility study.

Technology

 The feasibility study involves Parkway performing a range of evaluations and assessing the feasibility of treating waste brine derived from QGC's CSG water treatment plants, using Parkway's patented iBC® technology.

Feasibility Study

- The feasibility study incorporates iBC[®] based, i) process simulation & modelling, ii) process piloting, iii) process engineering, and iv) technoeconomic analysis, related activities.
- Feasibility study related activities are supported by strategic partners, Worley (ASX: WOR) and Victoria University (VU), with whom Parkway has long-standing partnership relationships.
- Additional information about the feasibility study contract awarded by QGC (a Shell Group company), is outlined in <u>07 April</u> <u>2022</u> ASX announcement.



QGC Shell - Northern Water Treatment Plant, in Queensland, Australia

Client

QGC Pty Limited, a Shell Group company.





Master Contractor

Parkway Process Solutions Pty Ltd.



PPS - R&D Partner

Victoria University.



PPS – Global Strategic Partner

Worley.



CSG Case Study - QGC Feasibility Study Progress



Overview

Collaborative project team, led by Parkway engineering team.

Piloting Activities

- Bench Scale extensive evaluations performed, confirming key process conditions, and the production of key products.
- Pilot Scale mechanical installation of New iBC® pilot plant completed in August, ready to support larger-scale evaluations.

Feasibility Study

- Existing QGC site for commercial-scale iBC® plant identified, and is being incorporated into project engineering design.
- Engineering phase has commenced, supported by pilot results.

Commercial

- Key product produced by iBC® technology is caustic soda (50% NaOH).
 Price of caustic soda has doubled in the last year.
- Preliminary discussions with industrial customer/s capable of taking all caustic soda production, are very encouraging.
- Genuine opportunity for iBC® technology to become best available technology (BAT) and for the QGC project to potentially provide industry-wide solution.
- Range of commercial options to deliver project being explored.



New iBC® Pilot Plant, installed at Victoria University, in Victoria, Australia.









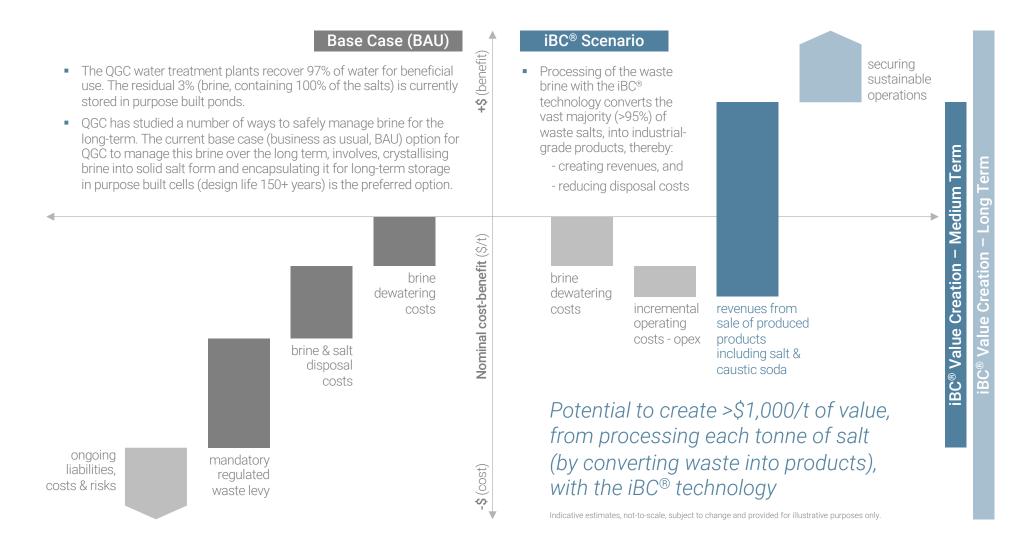




Range of brines being processed with iBC® based flowsheets, as part of feasibility study related activities.

CSG Case Study – Value Creation Opportunity





Integrated Solutions





We are also developing a range of integrated water treatment solutions, as a platform for our innovative technologies.













Parkway Group Structure



Parkway Process Solutions (PPS)

- PPS –provides water treatment products, services, and when combined, water treatment solutions.
- The establishment of PPS is supporting the growth of PPT and is integral to building Parkway into an advanced industrial water treatment technology company.

Parkway Process Technologies (PPT)

 PPT – is our innovative technology development and commercialisation division, capable of delivering next-generation solutions.

Conventional Solutions: PPS



Next-Generation Solutions: PPS + PPT

Parkway Corporate Limited (PCL) – Group Overview



Parkway Corporate Limited ABN: 62 147 346 334

Parkway Process Solutions Pty Ltd
ABN: 45 163 469 761



Primary Operating Division

Focused on delivering water treatment products, services, solutions and conventional technologies

Conventional Solutions

Parkway Process Technologies Pty Ltd ABN: 78 160 290 184



Primary Technology Division

Holds portfolio of innovative process technologies owned by the Parkway Corporate Limited group

Next-Generation Solutions

Parkway Ventures Pty Ltd ABN: 80 605 397 813



Primary Investment Division

Holds portfolio of project and royalty interests owned by the Parkway Corporate Limited group

Build-Own-Operate Projects

PPS - Building an Integrated Solution Provider



Complex Wastewater Challenges

- Traditionally seen to be "too difficult" because:
 - Water prices were cheap, if not free, why recycle?
 - Disposal requirements were modest, if not non-existent.
 - Stakeholder concerns were rarely relevant, before ESG awareness.
- In 2022, the world has changed:
 - Sustainable use and recycling of water matters.
 - The rate of change towards adopting sustainability will accelerate.
- Traditional business models need to adapt to ESG metrics now.

Solving Complex Wastewater

- By definition, processing of complex wastewater often faces several challenges regarding the composition of the wastewater.
- Processing often requires multiple processing steps to deal with issues relating to biological, chemical and physical treatment constraints.
- Some wastewater issues can be resolved with integration of various conventional water treatment processes into the the processing train:
 - Most service providers are focused on resolving part of the issue.
 - Significant requirement for integrated solution providers.
- More challenging wastewaters often require new technological approaches.

Building Parkway Process Solutions (PPS)



Next-Generation Solutions

PPS – Offering Integrated Solutions



Why PPS?

- Q: Why Parkway Process Solutions?
- A: Because process problems, require **process solutions**.

Delivering Integrated Solutions

- Whilst PPS provides stand-alone products and services, the focus is on delivering combined value-added offerings, in the form of integrated solutions.
- The integrated solutions provide opportunities to deliver projects that are worth more than the sum of the parts, and for Parkway to capture a fair share of the value creation.
- Parkway has the capacity to manage projects from the very beginning, the problem evaluation phases, through to the concept development, process and project engineering, and ultimately project delivery phases.
- Parkway has assembled an impressive team of experienced technicians and engineers that are capable of managing each project through the entire project lifecycle.
- Extensive strategic partner support available, when required.

Differentiated Integrated Solutions

Opportunity to integrate PPT's proprietary technologies.



Indicative estimates, provided for illustrative purposes only.

PPS – Delivering Integrated Solutions

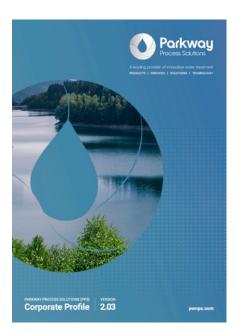


PPS Delivering Solutions

PPS is successfully delivering a range of integrated solutions.

PPS Rapidly Building Capabilities & Offering

- PPS is building additional technical and commercial capabilities to support successful project delivery.
- Developing range of modular systems for rapid deployment.



PPS Corporate Profile

- Additional information about PPS, including:
 - Corporate profile
 - Products & services
 - Integrated solutions
 - Project references
- Is outlined in the PPS Corporate Profile brochure available at:
 - PPS Corporate Brochure

Recent Case-Study

Client: Major global mining company.

Large operating mine, is a key global producer of a Project:

commodity categorised as critical mineral.

Recent project (photos taken in June-July 2022). Date:

Task: Supply a water treatment plant to meet specific

project requirements, within 3 – 4 months.

Turnkey, design, fabrication, supply, installation and Scope:

commissioning of **mine pit water treatment plant**.

Project successfully delivered on time and budget. Result:







Inhouse Design & Fabrication

- Inhouse water treatment plant engineering design to suit specific project requirements.
- Inhouse fabrication & assembly.

Installation & Commissioning

- PPS staff performed onsite installation & commissioning.
- PPS staff collaborated with onsite staff to ensure successful project execution.

Building Capabilities – Generating Traction



Generating Traction

- Parkway has developed capabilities to successfully deliver a range of innovative solutions for tier-1 global companies.
- Parkway has rapidly established a reputable client base.

ISO Accreditations

In February 2022, Parkway achieved triple ISO accreditation.









Memberships

 Parkway is a member of the Initiative for Responsible Mining Assurance (IRMA), and has provided early engagement.









Approved Vendor

Parkway is now an approved vendor for major companies.

Energy Clients:

Leading global energy companies.





Mining Clients:

Leading global mining companies.











Academic Clients:

Leading Australian research organisations and universities.















Major Clients

Additional clients include a range of industrial companies.

Investment Case



Very Large Addressable Markets

 The water and wastewater treatment opportunities in the global energy & mining, municipal & desalination and industrial applications, all represent multi billion dollar opportunities.

Strong Industry Drivers

Strong economic, regulatory and ESG drivers supporting change.

Market Requires Integrated Solutions

 Parkway Process Solutions is capable of delivering increasingly complex integrated wastewater treatment solutions.

Purpose Built Platform to Address Growing Thematic

- Attractive business model to create and capture share of value creation.
- Partnering with major industry players to deliver fit-for-purpose solutions.
- Highly motivated team making progress in building client & revenue base.

New Technologies for Next-Generation Solutions

- Parkway is commercialising a portfolio of highly innovative and patented technologies (aMES®, iBC® and others) to address particularly complex process and wastewater related challenges.
- New technologies will enable delivery of highly differentiated solutions.



Appendices



Overview

- Strategic Water Treatment Opportunities
- Leveraged to Cleantech Thematic
- Karinga Lakes Potash Project













Strategic Water Treatment Opportunities



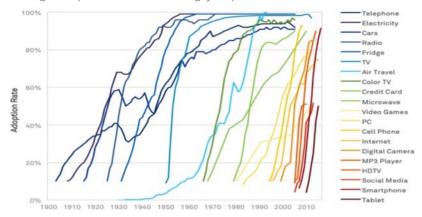


Go-to-Market Strategy

- A. Products segment is typically lower value and with lower complexity, as a result generating lower margins.
- B. Services segment involves greater complexity, and can support the delivery of more complex process solutions.
- C. PPS Solutions segment involves more complex, and typically larger and higher margin opportunities.
- D. PPT Solutions segment is based on proprietary solutions which are typically large and complex, but highly valuable.

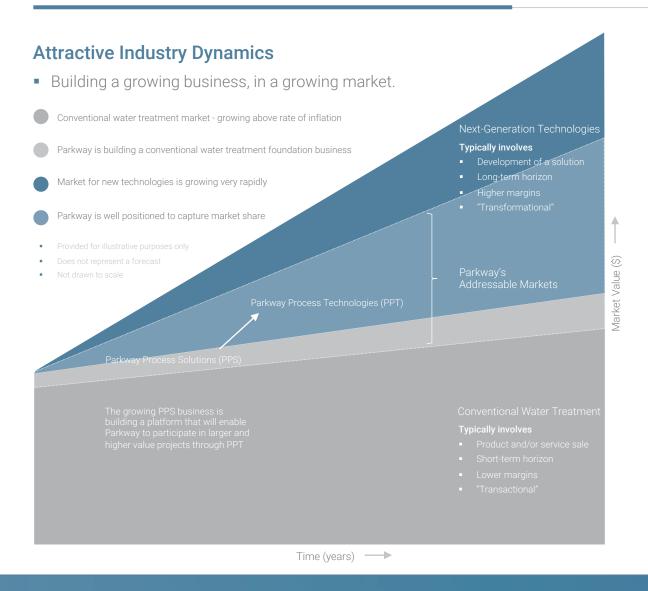
Rates of Technology Adoption

 Disruptive technologies, including in industrial settings are being adopted at increasingly rapid rates.



Leveraged to Cleantech Thematic





Strong economic, regulatory and ESG drivers, underpin the requirement for

Next Generation Water Treatment Technologies

In order to capture this market opportunity, Parkway is building an advanced

Industrial Water Treatment Technology Company

Parkway Ventures - Karinga Lakes Potash Project



Overview

- The Karinga Lakes Potash Project (KLPP) covers a chain of dry salt lakes, within the Central Australian Groundwater Discharge Zone in the Northern Territory, Australia.
- The KLPP has undergone extensive exploration, and as a result a potash Mineral Resource estimate has been defined.
- The KLPP is a joint venture between Parkway and the project operator, Verdant Minerals Limited, a formerly ASX listed company acquired and taken private by CD Capital and Washington H Soul Pattinson (ASX:SOL) in 2019.
- On <u>13 Dec 2021</u>, Parkway announced that the NT Government granted the KLPP-JV, 3 new Exploration Licenses covering 1,109 km², encompassing the mineral resource.
- On <u>24 Jun 2022</u>, Parkway announced it had increased its working interest in the KLPP from 15% to 40%.
- A recent Pre-Feasibility Study (KLPP-PFS) demonstrated the significant advantages of developing the sulphate of potash (SOP) brine project, with the aMES® technology.
- Strong SOP prices provide potential monetisation options.

KLPP Pre-Feasibility Study

- On <u>5 Nov 2020</u>, Parkway finalised the KLPP Pre-Feasibility Study (KLPP-PFS), which confirmed the KLPP as a potentially attractive producer of high-quality sulphate of potash (SOP).
- Innovative aMES[®] based flow sheet demonstrates potential, for a relatively small-scale operation targeting annual SOP production of 40,000 t, over an initial mine life of 20 years.
- aMES[®] based development concept also demonstrated the highly efficient use of water.

KEY FINANCIAL METRICS

- Initial capital cost (CAPEX) of \$80.0 million, inclusive of all nonprocess infrastructure and indirect costs.
- Production cost (OPEX) of \$293/t of SOP, ex-mine gate.
- Strong cash generation potential, with estimated EBITDA margin of 54.4%, resulting in annual EBITDA of \$18.6 million.
- Ungeared development of the KLPP would result in:
- Project payback in ~5.5 years from first SOP production.
- Post-Tax NPV_{8%} of \$80.15 million with an IRR of 20.4%.

The Mineral Resource estimate underpinning the production targets referenced in this announcement were prepared by a competent person in accordance with the requirements of the JORC Code 2012.

COMPETENT PERSONS STATEMENT

Parkway reported the Mineral Resource estimate for the Karinga Lakes Potash Project in accordance with Listing Rules 5.8 and 5.16 in its ASX announcement dated 5 November 2020. Parkway confirms that it is not aware of any new information or data that materially affects the information included in the announcement of 5 November 2020 and that all material assumptions and technical parameters underpinning the estimates in the announcement of 5 November 2020 continue to apply and have not materially changed.



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