

# The art of logistics for product stewardship initiatives



**Product  
Stewardship  
Centre of  
Excellence**

Webinar, 14 July 2022

[www.stewardshipexcellence.com.au](http://www.stewardshipexcellence.com.au)



Product Stewardship Centre of Excellence



@stewardshipAU

# Today's panel



Peter Tamblyn  
*Close the Loop*



Chris Tangey  
*Ecycle Solutions*



Ricardo Pinto  
*Australia Post*



Sarah Newman  
*Remondis*



Helen Jarman  
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Close the Loop

# Product Stewardship & Logistics at Close the Loop

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# Brief Overview of Close the Loop

- Founded in 2001
- Partnered with Planet Ark since 2003 (C4PA)
- Also manage many other branded cartridge programs
- Workplace collections and retail public drop off
- More than 60,000 collection points across the country
- Use of bags to mitigate shipment of air – more cartridges per truck, less carbon emissions
- Economy of scale is fundamental to success
- Key partner is Australia Post - ubiquitous





# The 'Get Rights'

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- National postal network provides great leverage
  - Great economies of scale
  - Broadest network coverage
  - Better recovery rates
  - Access to regional and remote
- Cost increases are part of the landscape
  - Manage end-user customers behaviour
  - In-house call centre makes a massive difference
- Manage your program from start to end
  - Better control
  - Provides opportunities to streamline
- Shared opportunities across PS platforms
  - Difficult to do for many reasons
  - Collaborations are possible



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**Ewaste & Polystyrene Recycling**

[www.ecyclesolutions.net.au](http://www.ecyclesolutions.net.au)

# Building a long term diversified, commercially viable and sustainable recycling business by leveraging off our key strengths.

## Ecycle Solutions' Mission

**Ecycle Solutions** leads the way in innovative recycling solutions for Expanded Polystyrene (EPS) waste, battery recycling and ewaste in Australia. We provide the general public & small business with a free recycling solution for their end-of-life televisions and computers (ewaste) as part of the National Television and Computer Recycling Scheme (NTCRS), whilst recycling non-contaminated EPS and end-of-life batteries. Through reverse logistics plus low overhead and operating costs, Ecycle Solutions has a competitive advantage which is passed onto our loyal customers. Our aim is to be the lowest cost operator, without compromising our values.

As a wholly owned subsidiary of the QLS Group, a national warehousing, logistics and distribution business specialising in providing secure and reliable warehousing solutions for bulky white and brown goods. Ecycle Solutions is building a long term diversified commercially viable and sustainable recycling business by leveraging off the QLS Group.

Ecycle Solutions is dedicated to improving the environmental footprint & expanding our reach into ewaste recycling



## **Ewaste**

- Ecycle Solutions is a Co-Regulator of the National Television Computer Recycling Scheme. Since 2012 we have established over 300+ permanent collection points, collecting and recycling approx. 17,000 tonnes in Fy2021 & more than doubled in FY2022

## **Expanded Polystyrene (EPS)**

- We are the largest EPS recycler in Australia collecting more than 100,000m<sup>3</sup> every year.

## **Battery Recycling**

- Ecycle is also an Accredited Collector of batteries as part of the Battery Stewardship (B-cycle) as of January 2022.

## **How have product stewardship initiatives delivered a cost effective and efficient solution?**

- Provision of the optimal collection receptacle to collect the product and minimise freight costs.
- Strategically located footprint of recyclers.

## **When is collaboration between product initiatives required to get logistics right?**

- There is no free ride, someone has to pay
- Engage with logistics facilitators at the design stage of the PS structure
- There is a tendency for every Product Stewardship to act in a silo.
- There are logistical advantages but these tend to be regionalised.

## **How do Product Stewardship initiatives decarbonise its logistics?**

- Reverse logistics is an effective way to minimise carbon outputs.
- Truck & trailer design
- Minimise packaging



## **Does consolidating the number of Stewardship initiatives reduce logistic costs?**

- In short the answer is 'YES' but in our opinion it needs to be selective & probably regionalised. For example it is doubtful a solar panel PS would not work with any other Stewardships.

## **What is the key to cost effective logistics in regional and remote areas?**

- Costs associated with the delivery of returning empty containers to collection sites.

## **How do you know if you are getting value for money from your logistics provider?**

- Utilising reverse logistics.
- Benchmarking against competitors on a regular basis.

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4,300+

12.3m



# Synergy







Design



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REMONDIS operates the Containers for Change recovery scheme across Australia

# REMONDIS®

WORKING FOR THE FUTURE

# CHANGE STARTS WITH YOU



**REMONDIS®**

WORKING FOR THE FUTURE



## Logistics Solutions for Product Stewardship Schemes

REMONDIS Australia

July 2022



# Our role as a logistics partner

How we deliver a complete reporting, transport and logistics package

Working as a true partner, REMONDIS can deliver:

- A network of 1000+ collection, transport, sorting and recycling partners
- Support for all collection methodologies, required locations and processing facilities
- Access to professional framework and foundation for national roll out
- Scalable service delivery model.
- Reporting platform to monitor performance.
- In house service team to support your scheme.

# REMONDIS®

WORKING FOR THE FUTURE



# Common Logistics Challenges

How to ensure your scheme has a robust and reliable delivery network

## No 'one size fits all' national model

- Requirements can differ for each region, particularly in remote areas
- Consider how to create and sustain demand, and where it is concentrated
- Easy to use collection method, with adequate reward for collection partners
- Staged roll out - focus on high volume locations and scale up as appropriate
- We work with collection partners to put in place equipment, processes and resources to consolidate material and maximise transport payload

## Lack of sufficient data

- Important to know: where and how the material is generated, volumes, potential contamination, main processors, stakeholders, etc

## Complex collection requirements

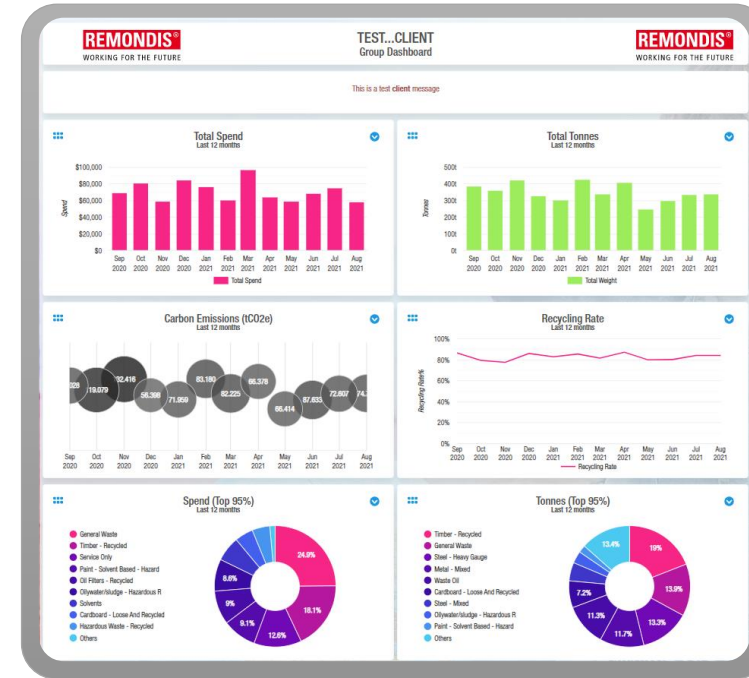
- Collection partners in each region can have varying resources and capabilities
- To maximise volumes work on a region by region basis, being flexible regarding the collection packaging

## Ensuring value from providers

- A true partnership needs to be established with your logistics provider
- We prefer a transparent remuneration model with volume growth incentive - this drives correct behaviour and partnership outcomes

# REMONDIS®

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**Compliance Records for ROCKLEA - SBR002 - TEST SITE**

8 Records Loaded - No More Records Available

Name	City	Address	Audit Frequency	Audit Level	Corporate Insurance	Contractor Type	Status
REM TEST VENDOR	ROCKLEA	TEST FOR SYSTEM DEVELOPMENT ADDRESS 2 ROCKLEA QLD 4106	NOT REGD	NR	NA	USED BY M&S & NON-M&S	ACTIVE
TEST	TEST	TEST TEST QLD 4000	12 MONTHS	MINOR	NA	CONTRACTOR ONLY USED BY M&S	Needing Display
TEST CLOSING MGMT	BRISBANE	TEST CLOSING BRISBANE QLD 4000	NOT REGD	NR	NA	USED BY M&S & NON-M&S	Needing Display
TEST CONTRACTOR BRISBANE	BRISBANE	TEST BRISBANE QLD 4000	NOT REGD	NR	TEST CAN - TEST CONTRACTOR FOR DANIEL	USED BY M&S & NON-M&S	Needing Display
TEST CONTRACTOR FOR CHRIS KOTT	ROCKLEA	69 SPINDEL RD ROCKLEA QLD 4000	NOT REGD	NR	NA	USED BY M&S & NON-M&S	Expired Pending
TEST CONTRACTOR FOR DANIEL	M&S TOWN	M&S M&S TOWN QLD 4000	NOT REGD	NR	NA	USED BY M&S & NON-M&S	Needing Display
TEST FOR SCHEDULE OF PAGES	X	TEST SCHEDULE LINE 1 TEST SCHEDULE LINE 2 X QLD 4000	NOT REGD	NR	COLLE CHIST - WOLLA SOUTH M&S/OLLA SOUTH QLD	USED BY M&S & NON-M&S	ACTIVE
TESTING SCHEDULES	TEST	TEST TEST QLD 4000	NOT REGD	NR	TEST TEST - TEST	USED BY M&S & NON-M&S	ACTIVE

# Benefits of Scheme Collaboration

How schemes can reduce both financial and environmental impacts

## Sharing the cost of collections

- Sharing data and collaborating during the design stage can help identify opportunities to service multiple schemes in single collection runs
- The maintenance, fuel, and labour costs for collection vehicles can be shared across the different schemes utilising them
- This cost reduction can make the scheme more accessible for consumers, manufacturers, retailers and other scheme participants

## Increasing access to regional / remote areas

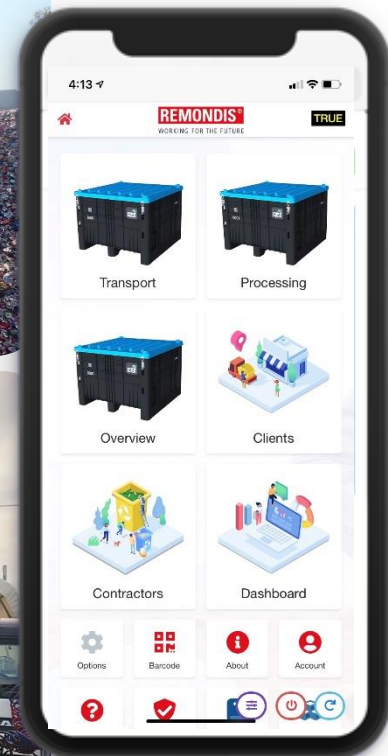
- Reducing the cost of transport increases viability for remote collections
- Collecting multiple streams in a single load is a more practical solution for regional residents and collections sites (e.g. transfer stations)

## Reducing emissions

- Volumes across different schemes can be consolidated into one collection service and one truck movement
- Our goal is to have full vehicle loads comprising multiple eligible scheme materials, with schemes sharing a portion of the emissions per load

**REMONDIS®**

WORKING FOR THE FUTURE





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# New Era of Supply Chain & Sustainability solutions

End to end practice: consulting, digital technology & managed services

14 JULY 2022



**ACTIV**GROUP

**ECO**ACTIV

# Harnessing 22+ years of Supply Chain, Product Stewardship & Technology Experience

Supply Chain and  
Reverse Logistics

“gate to cradle”

Amazon  
“Z to A”

Product Stewardship  
& Circular Economy  
Design & Activation

Value-orientated

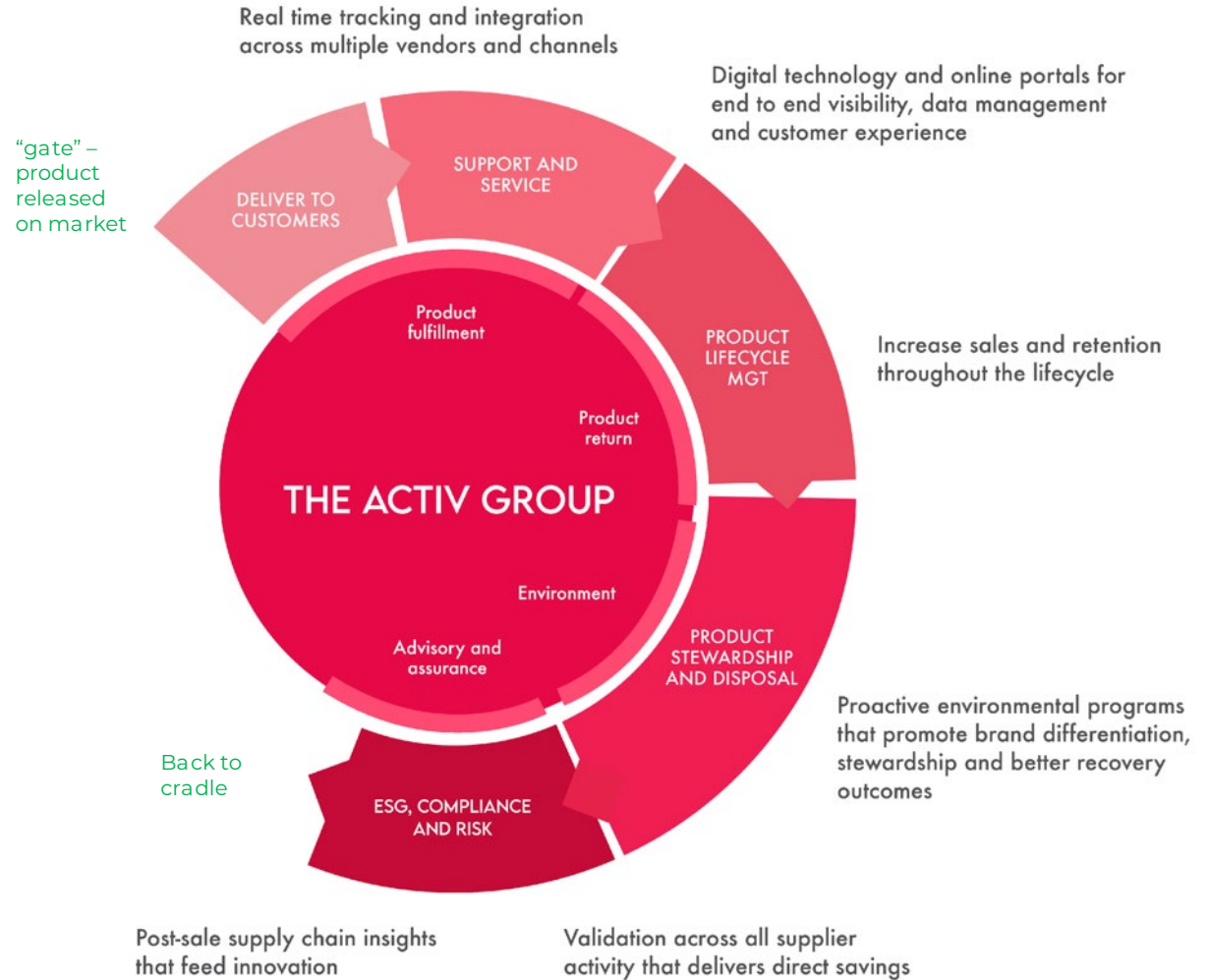
Digital Technology  
Platforms

Ecoactiv App  
Turn-key enablement  
Customised

+ Consulting, Advisory & Assurance (Audit)  
services across our domain expertise



## Post-sale end to end capability (gate to cradle).



# Industry Leader in Product Stewardship

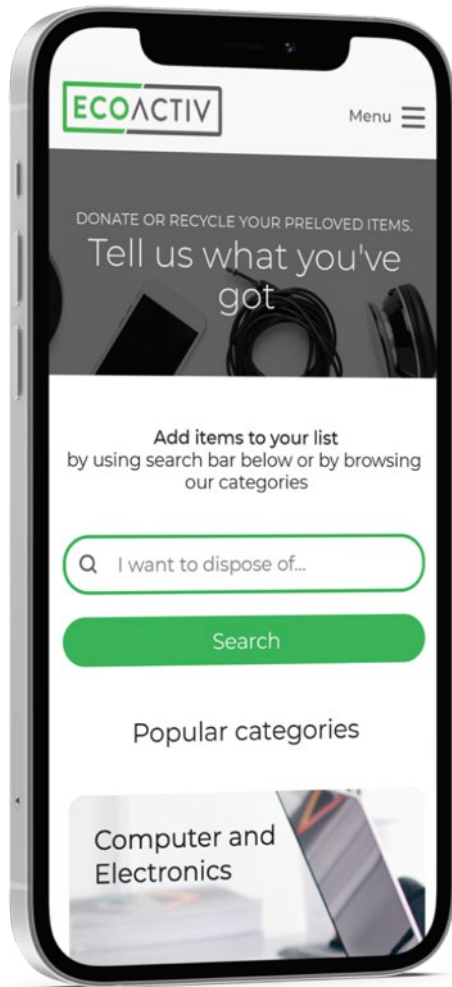
The Activ Group has a depth of experience and a proven track record with Government and industry in the design and delivery of turn-key product stewardship programs and schemes (IPR / EPR).

Our expertise, experience and ability to design innovative stewardship solutions and implement and scale programs is unmatched.

Our expertise covers the full gamut of product stewardship requirements:

- Feasibility and Business Case Development
- Industry Scheme and Program Design
- Stakeholder engagement & membership
- Digital Activation
- Implementation and Roll-out
- Ongoing Product Stewardship Operations





# Ecoactiv Digital Platforms and Circular Economy Hub Capability

## For Brands

Redefine your post-sale reverse logistics function and maintain ongoing connection and engagement with customers; second hand market activation

## For Retailers

Back of house waste and front of house stewardship programs; the circular economy store

## For Councils

Bring together and activate the ecosystem of services, integrated with council's own waste function

## For Stewardship Schemes

Full end to end digital and service enablement and activation

## For Government

Effective tracking, reporting and governance of waste



# Reverse Logistics - solving common gaps for brands, retailers, stewardship organisations and industry.



## Technology Gaps

- Bespoke IT requirements
- Manual Processes
- Visibility gaps / lack of end to end tracking & measurement
- Limited collection and use of data and reporting capability to analyse processes and gain insights
- Integration & management of vendors



## Process Gaps

- Limited bandwidth
- Return / waste prevention
- Effective triage to determine best pathway
- Longer turnaround times to restore & service customer
- Layers of cost / inefficiencies in collecting, storing and evaluating product & materials
- Limited vendor pool
- Audit & validation gaps



## Sustainability Opportunity Gaps

- Absence of well designed environmental closed-loop programs that interact with the end-customer throughout the product lifecycle
- Leadership opportunity missed to differentiate brand
- Missed opportunity to embed circular economy principles that can increase market share and customer engagement

# Quick Tips & Learnings

## Product Stewardship schemes & Reverse Logistics efficiencies

- Key Structural and Design led change – open schemes
- Open schemes: open up the market and allow collaboration, increase volumes, stimulate innovation and achieve best cost
- Neutral Collection points participating with industry
- Decarbonise
  - Design and price it in, integrated with all programs
  - Pursue efficiencies and enable real time decision-making before product moves
- Regional and remote: activate the local community
- Government regulation: use existing industry attributes and simple levers to naturally stimulate voluntary action



# Working Together

Supply Chain and Sustainability services – transforming our client's business outcomes, leveraging smart digital solutions

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# Questions & Answers



# Contact us

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