



AIP NEWS



DECEMBER 2021

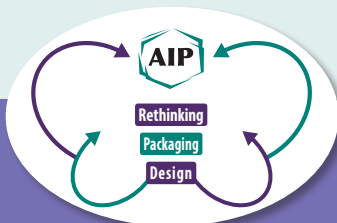


AIP: PEAK PROFESSIONAL BODY FOR PACKAGING EDUCATION & TRAINING IN AUSTRALASIA

AIP in 2021: The year in review

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inside this issue...



28 SPEAKERS . 2 DAYS. 7 SESSIONS. 200 ATTENDEES



2021 PIDA Awards

13 CATEGORIES
Record Entries

Virtual Awards Ceremony 2 days - 200 people per day



13 training courses
590 people attended
from 13 COUNTRIES

The AIP 2021 Year in Review showcases the continued success of the new virtual event portfolio for the Institute that included the 2021 PIDA Awards, the 2021 Packaging mini-conference, webinars, training courses and virtual site tours. The virtual portfolio will continue in 2022, as well as hybrid options where possible.



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Winners of the PIDA Student Awards 2021 Announced

NEW MEMBERS

The AIP would like to welcome the following new Members...

NAME	GRADE	STATE/COUNTRY	NAME	GRADE	STATE/COUNTRY
Tina Pickering	Member	NSW	Toong Wei Tsang	Associate	NSW
Rebecca Kersey	Member	VIC	Angelo Tsoutsoulis	Member	VIC



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Ronald Gardiner MAIP becomes latest Member



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Help AIP PhD student with research



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Senior Packaging Technologist position available at 7-Eleven



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2021 Australasian Packaging Innovation & Design (PIDA) Awards

PROUD MEMBERS OF

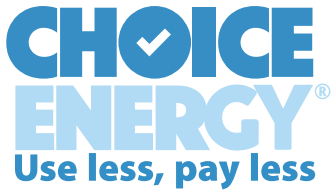




The **AIP** would like to take this opportunity to **thank** all of our **Corporate Partners**. Please reach out to these companies and find out more about their innovative solutions.



GOLD PARTNERS



BRONZE PARTNERS



MEDIA PARTNERS



Join as a Partner today. The Australian Institute of Packaging (AIP) provides opportunities for your company to partner with the Institute through our on-line newsletter, website and social media sites. These communication tools will provide direct access and communication on a regular basis to our Members and wider industry colleagues on the AIP database. Ask the AIP how your business can become a partner today.

PROUD LONG-STANDING SUPPORTERS OF PACKAGING EDUCATION & TRAINING IN AUSTRALASIA

Position Vacant 7-Eleven: Senior Packaging Technologist

7-Eleven is leading retail in Australia by reimagining what work means for their people, with a focus on agile innovation. Their exciting new way of working is designed to increase collaboration, provide greater flexibility, and deliver rewarding development opportunities.



As a key member of their Food Strategy squad, their Senior Packaging Technologist is responsible for leading the design and development of packaging for a range of products for 7-Eleven, ensuring they meet packaging product requirements and specifications. Key to this is identifying different materials and designs to deliver the best outcomes and experiences for 7-Eleven's customers.

They need you to:

- Be the conduit between marketing, purchasing and external suppliers to deliver great products for their customers.
- Identify opportunities to reduce costs while maintaining quality.
- Lead and coordinate trials to check assess packaging for suitability and testing for performance under various conditions.
- Identify, evaluate, select and negotiate products from multiple suppliers.
- As the SME for 7-Eleven, keep up to date with technological innovations and implement the company sustainability strategy for packaging.

What's in your toolkit:

- An eye for detail and innovation, with exposure in a high paced retail or manufacturing enterprise.
- Degree in an appropriate technical arena ideally scientific or engineering (biology, chemistry, biochemistry, sciences or engineering).
- Postgraduate packaging technology qualification would be beneficial.
- Extensive work experience gained as a technician or in product development, manufacturing, process, or quality control.

If your passion is customer first every time, with an ambition to be more tomorrow than today then this is the role you should not miss.

PLEASE APPLY TODAY

4P TECHNICAL SERVICES PACKAGING - PRODUCT PROCESS - PERFORMANCE

4P Technical Services provides an independent technical service to the Australian manufacturing industry, focusing on packaging related product development, quality management, cost minimisation and continuous improvement.

Key services include packaging design, optimisation and cost reduction, packaging sustainability projects and reports. Supply chain efficiencies/cost reductions, process continuous improvement and problem solving, product and process value analysis/cost reduction, quality systems and HACCP auditing, packaging training relevant to all business levels, artwork management optimisation/press approval service and technical project management.

Greg Roberts has extensive experience in the Australian food and packaging industries, with qualifications in Packaging Technology, Food Technology, Quality Management, Manufacturing Management and Continuous Improvement Project Management. Greg has worked for a diverse number of blue chip and start-up companies, with global project experience including the USA, China, Thailand, Malaysia, Brazil, Colombia, Argentina, and Ireland.

Contact: Greg Roberts Dip.Pkg.Tech. FAIP CPP

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The AIP would like to take this opportunity to welcome Ronald Gardiner MAIP, Senior Lecturer, College of Agriculture Food and Rural Enterprise (CAFRE) to the Institute and share a little bit about who he is and what he does in the industry. Please join with us in welcoming him to the AIP.

1. Why did you join the AIP? What benefits do you believe the AIP offers all their members?

Ronald: 'G-DAY' to all you folks in the AIP from Ron Gardiner, Senior Lecturer in Packaging at the College of Agriculture Food and Rural Enterprise (CAFRE) based Northern Ireland.

Northern Ireland is certainly a long way from Australia but we do have a lot in common. This new world of e-learning and e-communications that we all share led me earlier this year to a webinar hosted by Professor Pierre Pienaar & Nerida Kelton. During the webinar I quickly realised that there is a real opportunity for CAFRE and the AIP to promote a more sustainable future via packaging education. Joining the AIP will help myself and my team work towards the CAFRE mission statement which is - 'Sustainability at the heart of a living, working, active landscape valued by everyone'.

Being a Member of the AIP offers me an excellent opportunity to network and develop contacts with all of you who are the packaging professionals of Australasia. I am really impressed with the range of excellent training courses that the AIP offers its Members and enrolled for myself and my team to complete two of these earlier this year - they were excellent. Well done to Ralph and Nerida.

I look forward to meeting all the Members of the AIP at your virtual events and I hope that some day when we can all travel again I can invite you to Northern Ireland to see CAFRE, or I may even have the opportunity to visit you and that would be great!



Ronald Gardiner MAIP
Senior Lecturer
College of Agriculture Food & Rural Enterprise

2. How long have you been in the industry? What are your areas of expertise?

Ronald: I graduated in 1986 which seems a long time ago with a Degree in Food Science from Queens University Belfast. My first job was as a production manager for Mr Kipling's Cakes. I then moved to a chocolate company as a factory manager and then a garlic bread factory as the technical & engineering manager. In 1990 I joined Guinness as a packaging materials manager and stayed with the company to 2000 when I then joined the College of Agriculture Food and Rural Enterprise as a lecturer in food science & packaging. I have been in the Food and Packaging Industry for some 35 years now and I have to say I have never been busier in my working life due to the BPE (Blue Planet Effect). I am sure you are all experiencing this BPE phenomena in your workplace and hence collaboration between CAFRE & the AIP will help us in these new challenging times. I have a wealth of experience in Bakery, Brewing and Packaging and I am a member of the Institute of Materials Minerals and Mining in the UK.

Today I would say my current areas of interest are in the development of bespoke packaging educational programmes and technology transfer projects to companies in the Agri-Food and Packaging Industries.

3. What is your current job role and what are your responsibilities?

Ronald: I have been a Lecturer for just over 20 years now working for the College of Agriculture Food and Rural Enterprise. I am currently the Senior Lecturer & Packaging Technologist and my team of packaging, chemistry & microbiology scientists input into Ulster University degree teaching, teaching on the IOM3 Packaging Diploma as well as technology transfer projects with Food, Drinks, Pharmaceutical, Electronics and Packaging companies across Ireland.

We are unique in Ireland as we run a materials testing laboratory and if you would like to know more about my job role and what we do in CAFRE then please have a look on our website: <https://www.cafre.ac.uk/about-us/our-facilities/food-facilities/food-packaging-centre/> All that remains for me to say is to ask you all to safe, have a happy 2022 and I will see you all on-line at the next AIP virtual event.



Ronald with Patrick Duggan – Senior Packaging Tech at Dale Farm
(Northern Ireland's leading dairy processor)



Towards the Circular Economy

O F Packaging & Close the Loop
Merge to Form



Close the Loop GROUP

Create - Recover - Reuse



Close the Loop

Contact Us: investors@ctlgroup.com.au

ctlgroup.com.au

O F Packaging and Close the Loop become one

O F Packaging are excited to announce the merger between O F Packaging and Close the Loop, to form Close the Loop Group.

In addition to the merger, the Founder-led Group will be listed on the Australian Stock Exchange (ASX) and has already gained great interest from the investor market and their Joint Lead Managers.



Close the Loop GROUP

Create - Recover - Reuse

ctlgroup.com.au

OUR DIVISIONS



ofpack

Close the Loop

With locations in Australia, Belgium, South Africa, and the United States, Close the Loop Group aim to be a market leader in urban mining and extend their already impressive commodity collection offering. Reclaiming hard to recycle materials such as printer cartridges, e-waste, cosmetics, and soft plastic waste will be key for moving towards a circular economy.

The Group will be reusing and recycling these materials into equivalent or secondary products, diverting waste from landfill and creating value throughout existing supply chains. This includes our product TonerPlas®, which is an asphalt additive currently being used in the resurfacing of both the M80 and the Monash freeways in Victoria. These innovations allow the Group to expand their zero waste to landfill targets and provide a key end market for reclaimed commodities.



Joining forces: Joe Foster and Steve Morriss

From the creation of products and packaging using recyclable materials and recycled content, through to the development of take-back programs for brand owners and Original Equipment Manufacturers (OEMs), Close the Loop Group will provide circular integrated solutions to brand owners and associated stakeholders.

Contributing positively to the environment while helping to meet global sustainability legislation are key tailwinds for Close the Loop Group and provide them the opportunity to foster further positive societal change, and ultimately reach the fundamental sustainability goals of their business units.

More information on Close the Loop Group can be found at the Group website <https://ctlgroup.com.au>, or by contacting the Group at: investors@ctlgroup.com.au



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The print market is changing, and the transition from analogue to digital technology is accelerating. Creating inkjet technology that drives the industry forward, we introduce a level of quality, speed, and usability that exceeds expectations and gives creative control to the user. We develop our products so customers can effortlessly reach the future and achieve their own goals.

With over 80 years moving forward, we never stop improving and creating value from innovation that helps change the world.

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AIP Corporate Partner Fujifilm Group has a commitment to the future that never stops

The AIP would like to take this opportunity to welcome our newest Corporate Partner Fujifilm Group. Fujifilm can offer our Members many innovative solutions so please reach out to them.

With workplaces changing around the world, the time to innovate and adopt technology for your competitive edge is now. Businesses need to adapt not only to the changing needs of customers but also employees, suppliers and other stakeholders as the world evolves.

To support you on your journey, you need a transformation expert across all areas of your business – helping you grow faster, adapt quicker, and get your competitive edge in the marketplace. Applying their combined 80+ years of experience, Fujifilm are proudly working alongside Australian print providers of all shapes and sizes to innovate their everyday.

When you combine the industry knowledge and technologies from both FUJIFILM Australia and FUJIFILM Business Innovation, you not only have a one-stop-shop for all of your graphic communication needs, but also a united organisation with one common goal - to support you.

No matter what, they have a solution. In the business of print, they are passionate about helping customers expand into new markets with industry leading technology. From digital presses to print management, automation software and wide format printers. The right print technology can enable a wide range of applications to help you win new business, cut costs and generate bigger margins.

Fujifilm have a wide range of solutions for in-plant and production print environments, that can print a vast range of applications. Including packaging, label production, publishing,

transaction printing, signage, direct mail, print-on-demand, ultra-short and short runs, photo publishing, marketing collateral and more.

The Jet Press 750 S and HS (High speed) models represent the very best in technologies in the market today. With its ability to print on a wide range of substrates and boards, including recycled stocks, this press, using solvent free, water-based pigment inks will take your packaging capabilities to the next level of environmental friendliness.

The ability to experiment with design, responding to regulatory changes, versioning, end-user testing and the ability to produce a cost-effective pre-flight sample on the press are all possible, on the specified substrate, to give your customer a true-to-life sample of each and every design prior to the final press run.

The Jet Press will also produce personalised versions of any existing package and deliver in a quality that meets or exceeds the original. A quick turnaround time to respond to any brief or deadline is achievable on this platform and is being done all around the world today.

This product is just one of many solutions they can offer in a partnership in order to grow your business. Their commitment to you ensures that your workplace has the tools and technologies to help you succeed and grow.

Together, FUJIFILM Australia and FUJIFILM Business Innovation are a true 'one-stop shop' for all your graphic communication needs.

For more information contact:

Troy Neighbour or Roger Labrum via
jetpress.australia@fujifilm.com



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Multisteps is based in Australia with locations nationwide for quick turnaround supply into your facility.

Help AIP PhD student within the Save Food Packaging FFW CRC project

Help PhD candidate Ruby Chan AAIP at RMIT University to conduct her research project *Improving Food Packaging so Consumers Waste Less Food at Home*.

Household food waste is a significant problem in Australia. The National Food Waste Baseline indicates that 2.5 million tonnes is produced a year, so it is important to investigate ways to reduce it. Existing research shows that packaging plays an important role to help prevent food waste, and the potential for packaging to help to reduce household food waste is gaining recognition.

Focusing on resealable and reclosable packaging within the context of domestic food storage practices, Ruby's research will combine insights from consumers and the Food & Beverage industries and the packaging industry to uncover ways to improve packaging's potential to help reduce household food waste.

Ruby's PhD is a part of the AIP-led Save Food Packaging project within the Fight Food Waste CRC. (<https://fightfoodwastecrc.com.au/project/save-food-packaging-criteria-and-framework/>)

Ruby is preparing to begin industry interviews in 2022 February, so is currently recruiting. She is seeking to interview anybody who:

- (1) works in the food/beverage-packaging industry and;
- (2) plays a part in developing or specifying reclosable and resealable packaging products.

The interviews will be on-line (MS Teams) and run for 45-60 minutes. It will focus on the process behind designing or specifying reclosable and resealable packaging and the role of consumers (if any) in this process.

Anybody who is interested, has relevant contacts, or has any questions or comments, is welcome to email info@aipack.com.au



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GOVERNMENT FUNDING CHANGES

The current Government funding for commercial solar is being phased out incrementally, reducing each year in value. This means you need to act by December 31 2020 to maximise your benefit. Confused about access to government incentives? Don't stress - We do the hard work for you to find out what you could save.

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1. Call Rebecca Xuereb on 0452 282 814 or email her at rebecca@choiceenergy.com.au with a **copy of your latest business electricity bill** - be sure to mention you're an AIP member.
2. Rebecca will organise your **expert solar feasibility assessment**, which can be conducted remotely and in a way that won't interrupt the flow of your work day.
3. You'll receive the comprehensive information you need to make an **educated and informed decision**, including an estimate on how much solar energy could save you on your energy bills

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with their energy needs.**



Rebecca Xuereb
0452 282 814

rebecca@choiceenergy.com.au

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REDcycle and IQ Renew merge

REDcycle, as part of a formal merger, has become an operating arm of iQ Renew. iQ Renew is a NSW-based Australian recycler, specialising in a pioneering approach to processing and an early supporter of advanced recycling technology.

The new partnership will combine REDcycle's network of partners and national drop off locations with iQ Renew's innovative material processing technology; fulfilling a shared vision of two Australian organisations dedicated to creating a world where packaging waste is considered a resource, and playing a transformative role in the resource recovery sector.

There will be no change to the day to day activities of REDcycle or the opportunity for Australians to drop off their soft plastic to REDcycle bins.

The merger will accelerate the development of a purpose-built facility called SPEC – soft plastic engineered commodity – which will be dedicated to creating streams of locally sourced, quality feedstock available for use in Australian based technologies such as mechanical and emerging advanced recycling.

REDcycle will be the primary supplier to the plant, with an opportunity to increase the scope and scale of the program in the coming year, including recovery of material from a broader range of sectors.

As consumer involvement in the REDcycle Program continues to grow rapidly, with around three million pieces of soft plastic now being returned

to REDcycle bins each day, more domestic offtake partners and new end markets are vital to ensure recovered soft plastics are recycled into new products and emerging opportunities such as PCR packaging can be realised.



The two organisations will work closely with industry partners to develop a smooth-running circular system for post-consumer soft plastics; robustly linking the community's desire to divert recyclable materials from landfill with the technology and infrastructure needed to deliver measurable outcomes.

"If you want to go fast, go alone. If you want to go far, go together." African Proverb

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Vale Clem Tacca AAIP

It is with deep sadness that we announce the passing of the founder of Tacca Industries, inspirational leader and more importantly, a great human being Clem Tacca AAIP.

The AIP would like to extend their deepest condolences to the Family at this time.







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Have your say: Minister's product stewardship priority list 2022-23

Now is the time to have your say on the products you would like to see added to the Minister for the Environment's product stewardship priority list.

Each year a product stewardship priority list is announced by the Minister and your nominations will help identify priority products and materials most in need of product stewardship action.

Textiles and problematic and unnecessary single use plastics were added to last year's list, now plans for future product stewardship activities and schemes are unfolding. And batteries were removed from the list, as Australia's first national battery recycling scheme will be launched in early 2022.

Anyone who imports, designs, produces, manufactures, sells, uses or disposes of products has a part to play in reducing waste to landfill and protecting our environment.

This is your chance to let the Department of Agriculture, Water and the Environment know which products you would like to see added to the list. **The survey closes on Friday 17 December 2021.**

[Click here for more information](#)






Nominations are now open.
Minister's product stewardship priority list 2022-23.

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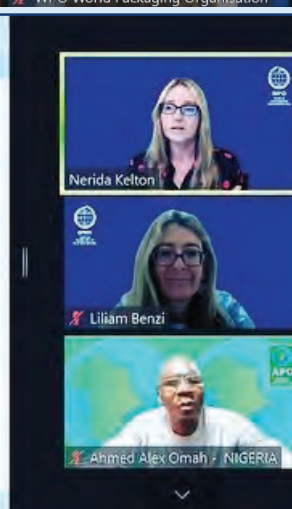
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WPO continues to grow and expand their reach

As the Vice President for Sustainability & Save Food for the World Packaging Organisation (WPO) the AIP Executive Director recently attended the November Board Meetings over a four-day period. Nerida is responsible for the Sustainability & Save Food portfolio and has been working hard over the last 6 months to launch the Global Design for Recycling Guide, launch the new Food Loss & Waste project for the Members and she spoke at over 15 events to help raise the profile of Sustainable and Save Food Packaging. The Meetings were very late in the evening and covered working groups, WorldStar Award judging, Board Meeting and Executive Meetings. The WPO continues to expand their reach across even more corners of the globe to ensure that there is better quality of life through better packaging for more people.



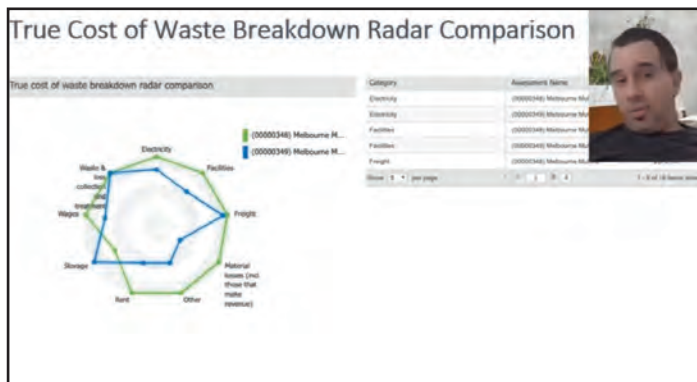
Tackling Food Waste with Technology Webinar



Over the past few years, there has been a concerted effort to engage those in the food supply chain to reduce food loss and waste. Through initiatives such as the National Food Waste Strategy and the establishment of the Fight Food Waste Cooperative Research Centre and more recently Stop Food Waste Australia, the focus has been to explore approaches that not only reduce food waste, but can lead to greater financial returns and growth.

This webinar highlighted where the food industry is at with regards to food waste, explore current practices and examine opportunities for improvement with digital technologies that can benchmark food loss and waste leading to better financial and environmental outcomes.

The AIP participated in the panel discussion which was hosted by Rob Gell AM and included Sam Sam Oakden, Voluntary Agreement Manager, Stop Food Waste Australia, Dr Simon Lockrey, Project Leader for the Reduce Program, Fight Food Waste CRC.



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1800 338 131

New software tool to provide DIRECT benefits in the fight against food waste

A new software tool promises to save Australian food businesses millions of dollars by helping them identify and track the true cost of food loss and waste.

Empauer's Dynamic Industry Resource Efficiency Calculation Tool (or DIRECT) is a cloud-based software tool designed to measure, track and ultimately reduce food waste across the entire food supply chain.

DIRECT is the commercial application of a research project initially developed by RMIT University, in collaboration with industry partner Empauer and with financial support from the Fight Food Waste Cooperative Research Centre (CRC).

The tool's strength lies in capturing the overall cost of waste, including non-food waste resources such as water and packaging, allowing businesses to make better decisions and ultimately improve their bottom line, according to Empauer Commercial Director Mr Victor Barichello.

"Organisations can only manage what they can measure. DIRECT is fully customisable and allows organisations to see exactly where waste occurs and how much it costs at each point in the supply chain," Mr Barichello says.

"DIRECT provides an international level of compliance through its alignment to such protocols as the global Food Loss and Waste Accounting and Reporting Standard and ISO-14051.

"We've already shown through work done with major food businesses like Olam that DIRECT can have a major impact on assessing, tracking and ultimately reducing food waste."



FIGHT FOOD WASTE
Cooperative Research Centre

REDUCE - TRANSFORM - ENGAGE

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Fight Food Waste CRC Chief Executive Officer Dr Steven Lapidge says the commercial launch of DIRECT is the culmination of a project that embodies the CRC's commitment to help reduce food waste in Australia.

"Food waste represents a \$36.6 billion challenge annually to Australia as we work towards the United Nations Sustainable Development Goal 12.3, which aims to have food waste globally by 2030," Dr Lapidge says.

"DIRECT is a great example of industry and researchers joining with the Fight Food Waste CRC to collaborate on developing solutions for Australian businesses that reduce their costs of food waste while benefiting our society and the environment.

"DIRECT is a powerful tool and our hope is that the Australian food industry incorporates it into their operations to realise the impact it can have on their management of food waste."

**For more information about DIRECT:
email Victor Barichello victor@empauer.com**

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PLANET PROTECTOR
PACKAGING

Certified Compostable Packaging: Now & Into the Future



The AIP, in partnership with the Australasian Bioplastics Association (ABA), recently ran the new Certified Compostable Packaging training course with over 60 people in attendance.

The course provides insights to explore the decision-making process, to firstly confirm that compostable packaging is the right format for the product and if so, assist in the appropriate selection. Attendees also gained an understanding of the necessary consumer actions and infrastructure, that is essential to ensure compostable packaging can be recovered once discarded, so that it has a positive environmental impact in its various end uses.

It was evident that this is a much-needed training course and we will continue to run this again in 2022. A huge thank you must go out to Dr Carol Kilcullen-Lawrence FAIP, CPP and Rowan Williams for writing and developing the course.

A special thanks must also be extended to Rowan for stepping in and doing such a marvelous job when technology unfortunately failed Carol.



Taghleef Industries

Together we Innovate™

Get in touch with us:

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Phone: +61 39550 1829
staff.aus@ti-films.com

ti-films.com



EXTENDO NATIVIA Derprosa SHAPE SynDECOR Titanium reLIFE



The AIP were invited to speak at the 2020 Department of Primary Industries and Regional Development, 2021 WA Horticulture Update (WAHU2021).

Over 150 delegates attended the session in person and the AIP Executive Director joined virtually alongside Caitlyn Richards from Coles.

This is the second event for WA DPIRD that the AIP has supported over the last two months and we look forward to more partnered events in 2022.

Sustainable Food Packaging Solutions



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Fight Food Waste Cooperative Research Centre Annual Symposium 2021



The AIP were invited to run a panel discussion session at the recent Fight Food Waste CRC annual conference with Catherine Sayer, Chief Executive Officer, Food SA, Michael Dossor, MAIP, Group General Manager, Result Group, Nerida Kelton, MAIP, Executive Director – AIP, Vice President Sustainability & Save Food – WPO, and Alan Adams, MAIP, Sustainability Director – APAC, Sealed Air. The session discussed two of the CRC projects that the AIP is a part of and was an opportunity to have some open dialogue about the balance between the 2025 National Packaging Target and 2030 Food Waste Targets. The panel were able to talk about the important role that packaging can play in minimising food waste and why the 2025 targets are so important to Australia.



Amcor, Coles, iQ Renew, Licella, LyondellBasell and Nestlé findings support Australian-first advanced recycling plant

Licella, supported by Amcor, Coles, iQ Renew, LyondellBasell, and Nestlé, have released a report highlighting the potential for establishing a local circular economy for soft plastic, with a focus on difficult to mechanically recycle plastic such as food packaging.

Advanced recycling allows soft plastic waste, like confectionery wrappers and bread bags, to be turned back into oil, then made into new food-grade packaging in Australia. The study found that using the oil created from waste plastic, in the local plastic packaging supply chain, delivers a 64% CO₂ reduction compared to crude oil.¹

The study identified Altona in Victoria as the location best placed for an advanced recycling facility, given the area's existing infrastructure and manufacturing capabilities. It is an opportunity to establish Victoria, and Australia, as a leader in this emerging new industry.

If the new facility was constructed, it would provide a boost to local industry, with the potential to create over 300 new jobs in Victoria over the next five years. The facility could also contribute over \$100 million a year to the Victorian economy.

The report comes as a result of a feasibility study that demonstrated a circular economy for plastic is not only possible, but is essential for Australia to meet its National Waste Policy commitments. With Australia's National Packaging Targets requiring industry to use an average of 50% recycled content in packaging by 2025, the demand for recycled content, especially food-grade plastic, is expected to grow significantly.²

The advanced recycling facility would be an Australian first if built and presents the opportunity to divert up to 120,000 tonnes, or 24%, of the waste plastics sent to landfill every year in Victoria alone.³ With over 500,000 tonnes of plastic going to landfill in Victoria each year¹, the proposed facility would be an essential step towards a more sustainable future for plastic in Australia.

The proposed advanced recycling facility would use innovative Australian technology called Cat-HTR™ (Catalytic Hydrothermal Reactor), a form of



hydrothermal liquefaction technology developed by Licella.

If built, the proposed facility would initially process 20,000 tonnes per annum of plastic waste, producing 17,000 tonnes of oil a year, that could be used in the local plastic supply chain. The facility can be expanded to process 120,000 tonnes of plastic waste per annum, resulting in the production of nearly 100,000 tonnes of recycled food-grade plastics per year.

The system-wide transformation required for Australia to meet its plastic recycling targets needs local initiatives, such as those outlined in this report, to come to fruition. Collaboration across industry and government is essential to drive this change.

The full report is available here

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ESKO

Over the last 12 months the AIP has been able to reach over 8000 people from across the globe through our training courses, virtual site tours, min-conference, PIDA Awards, webinars and more.

The introduction of the virtual events has opened up the AIP's reach and enabled many people who were unable to attend our physical events to be a part of the Institute. The virtual events will now be included in the educational offering and will ensure that everyone can be a part of AIP with no border or budget limitations.

AIP VIRTUAL TRAINING COURSES

13 TRAINING COURSES



590 attendees

13 countries



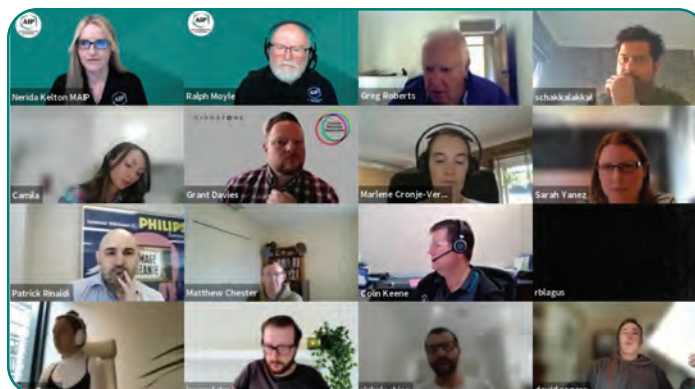
- Australia
- England
- Italy
- Malaysia
- New Zealand
- Northern Ireland
- Philippines
- Northern Ireland
- Russia
- Scotland
- Singapore
- Spain
- South Africa



The AIP ran **13** training courses in 2021 which saw **590** attendees from **13** countries attend.

Training Courses included: Beverage, Circular & Sustainable Design, Sustainable Packaging Guidelines, Future of Flexible Packaging, Fundamentals of Plastic Packaging, Advanced SPG course, Certified Compostable Packaging.

The courses included SME Bootcamps, government and industry partnered courses, in-house training, corporate training and general AIP courses. Virtual training courses will be continued in 2022 and will become a part of the education portfolio.





AIP in 2021: The year in review



— CERTIFIED PACKAGING PROFESSIONAL (CPP) PROGRAM —

5

members attain their **CPP DESIGNATION**



Jason Fields, FAIP, CPP
Procurement Category Manager
JBS Australia



Somayeh Shirdel, MAIP, CPP
Packaging Technologist
Re4Pack



George Ganzenmuller, Dip.Pkg.Tech., FAIP, CPP
Innovation Manager
Orora Fibre Packaging



Suzy Taguiam, MAIP, CPP
Packaging Development Manager
BWV

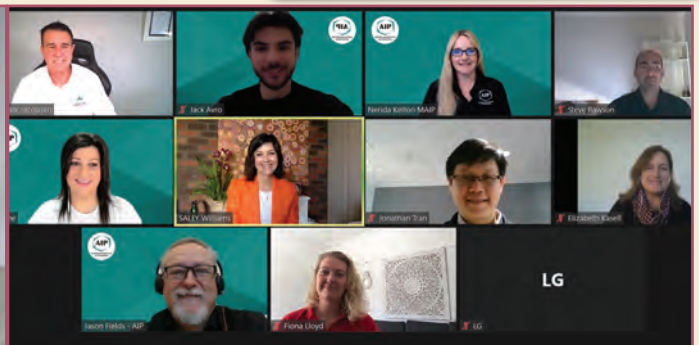


Kevin Truong, Dip.Pkg.Tech., MAIP, CPP
Packaging Development Manager
Primo Foods

AIP VIRTUAL SITE TOURS

The AIP ran **7** successful virtual site tours in 2021 with **O F Packaging, Zipform Packaging, Martogg Group, Planet Protector Packaging, Replas, Sealed Air and Polyrok** opening their doors to AIP Members.

The virtual tours are one of the most successful events for the AIP with 1200 Members attending from 5x countries. These tours will be continued virtually in 2022.



DIPLOMA IN PACKAGING TECHNOLOGY GRADUATES

2021

GRADUATES



Nathan Leong Dip.Pkg.Tech. MAIP
R&D Packaging Specialist
Primo Foods



Jaco Scheepers, Dip.Pkg.Tech. MAIP
Senior Packaging Technologist
Synlait Milk

Australasian Bioplastics Association (ABA) Annual Scholarship

In 2021 the Australasian Bioplastics Association (ABA), in partnership with the AIP, launched the annual Scholarship program for Australia and New Zealand.

The Scholarship program will enable one eligible candidate the opportunity to undertake a Diploma in Packaging Technology valued at \$9,000 and a second person the opportunity to undertake a Certificate in Packaging valued at \$7,000.



The Certificate in Packaging winner for 2021 was Maria Becerril Roman AAIP, Packaging Technologist, Coles

The Diploma in Packaging Technology winner for 2021 was Karunia Adhiputra AAIP, Packaging Specialist, Nestlé Australia



2021 AIP President's Annual Scholarship



The AIP President's Scholarship has been designed to work in collaboration with the ABA program to help one additional person undertake either a Certificate in Packaging or a Diploma in Packaging Technology each year.

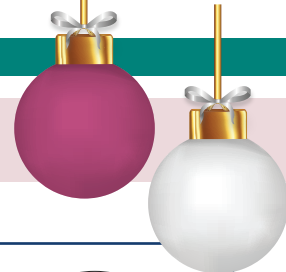
The Scholarship program will enable one eligible candidate the opportunity to undertake a Diploma in Packaging Technology valued at \$9,000 or a Certificate in Packaging valued at \$7,000.

The AIP President's Scholarship winner for 2021 was Libby Treves AAIP, Packaging Technologist, Frucor Suntory in New Zealand. Libby was selected to undertake a Diploma in Packaging Technology.





AIP in 2021: The year in review



MASTER OF FOOD & PACKAGING INNOVATION

Virtual
Education

64 students

from Australia, New Zealand, South Africa, Indonesia, Taiwan, Thailand, China, India, Singapore, Hong Kong

14

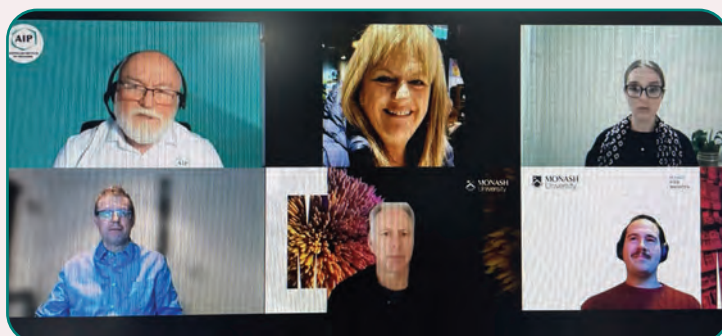
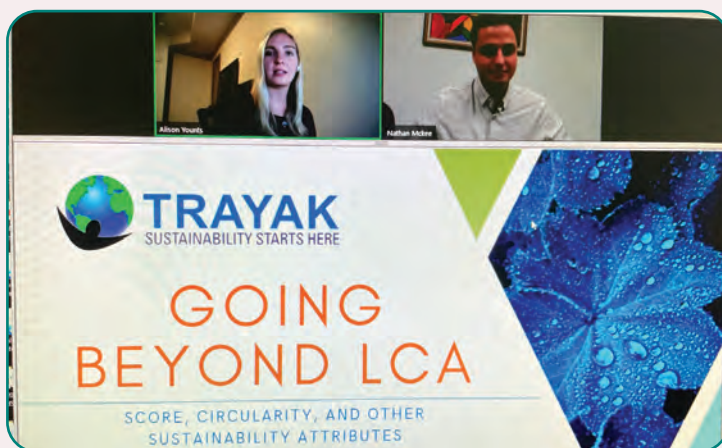
AIP Lecturers

Food Packaging Design and
Packaging and
Material Processes

Over **4000** people
attended
30X webinars

During 2021 the AIP worked in partnership with many industry bodies, universities and government agencies to ensure that we had speakers at more than 30 webinars that saw over 4000 people in attendance.

- AIFST Summer School
- AusIndustry: Optimise your cold chain Webinar
- AIP & Informa Webinar: Disruptive Packaging
- AusIndustry: Packaging for Cold Chain Webinar
- AusIndustry: Packaging Case Studies for Cold Chain Webinar
- Foodtech Philippines: Save Food Packaging Webinar
- AIP & ProPak Philippines Webinar: E-Commerce & Refillables
- AIP & FoodTech PackTech Webinars: Sustainable Design
- AusIndustry: Sustainable Packaging Webinar
- FOOD SA Industry Workshop
- Food SA Collaborative Project Stage 1
- AusIndustry: Sustainable Packaging Guidelines & Case Studies Webinar
- PACKWINE Expo & Forum 2021: Sustainability Webinar
- Monash Uni - Packaging vs Waste Webinar
- AusIndustry Food Waste Webinar #1 - Introduction to Food Waste from Packing to Processing – Challenges & Opportunities
- GS1 Food Waste and SFP Webinar
- AusIndustry Food Waste Webinar #2 - Successfully Reducing Your Food Waste & Loss
- Monash Uni - Food & Beverage Innovations
- AusIndustry Food Waste Webinar #3 - Solutions, Tool & Support available for SME's to Reduce Food Waste & Loss
- Future of Food Conference WA
- GS1 Cold Chain Webinar
- UNSW Student Lecture
- Trayak LCA Webinar
- Choice Energy Webinar: Reduce F&B Business Energy Costs in 2022 & Beyond
- Tackling Food Waste with Technology
- UNSW Student Judging
- Sustainable Label Materials, Inks & Coatings and Machinery used in Printing



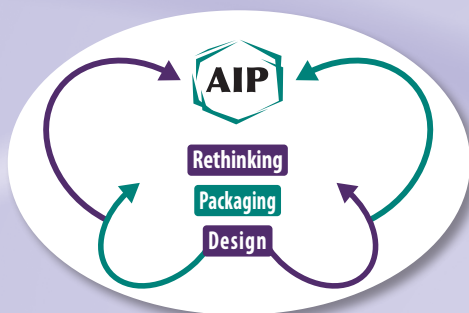
AIP in 2021: The year in review



2021 AIP Australasian Packaging Conference Wrap Up

28 SPEAKERS . 2 DAYS. 7 SESSIONS. 200 ATTENDEES

The 2-day mini conference saw 28 speakers in 7 sessions present their PIDA award-winning packaging designs. The 200 attendees were able to attend via Livestream or Zoom or catch up on missed sessions that were recorded. Over 100 people also went back on to the conference website and listened to the recordings later.



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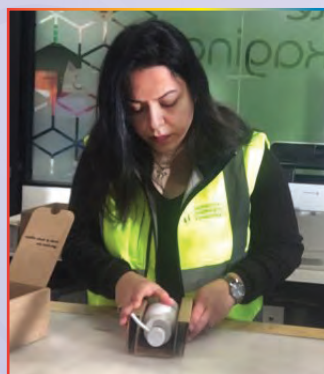
2021 Women in Packaging Forum Wrap Up

Gender diversity in the packaging industry, and empowerment within that arena, led discussion at the 2021 Women in Packaging forum, which is run by PKN Packaging News, in collaboration with the AIP.



"What can I ask?", "What can I do?", "What can I change?", were three questions put to participants by keynote speaker Louise Weine at the fourth Women in Packaging event.

Presented by PKN Packaging News and Food & Drink Business, hosted in partnership with the Australian Institute of Packaging as part of the 2021 AIP Australasian Packaging Conference, Women in Packaging drew its audience into a virtual event for the third year running.



2021 Australasian Packaging Innovation & Design (PIDA) Awards



The AIP ran the 2021 edition of the PIDA Awards as a two day event for over 200 people per day. Due to lockdowns again across the country the trophies this year took much longer to arrive but the happy faces below show that it was worth the wait!

13 CATEGORIES - Record number of entries -
TWO days - **200** people per day in attendance





AIP in 2021: The year in review



2021 GLOBAL PACKAGING FORUM: VIRTUAL EDITION



The AIP ran their third edition of the Global Packaging Forum in collaboration with Informa Markets over a four month period. Moderated by Ralph Moyle the four sessions covered rethinking your packaging design, reducing your packaging, recycling your packaging and reusing your packaging. The GPF is designed to reach audiences from Asia and Europe.

4
sessions
ACROSS
4 months

1200 attendees from over
25 countries

16 speakers FROM
9 countries



Organized by: **AIP** **PROPAK ASIA** **Informa markets**

10 March 2021
15:00 – 16:30 hrs.
(GMT+7 Bangkok Time)

Topic:
“Packaging Disruption and Game Changing Innovations”

Opening Remark
Mrs. Nerida Kelton, MAIP
Executive Director, AIP
Vice President – Sustainability
& Save Food, WPO

Speaker
Ms. Joanne Howarth, MAIP
Founder, Planet Protector Packaging

Speaker
Mr. Nathan Hall, MAIP
Director, Disruptive Packaging

LIVE at 15.00 hrs.

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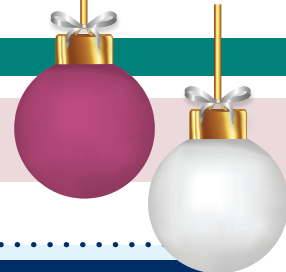
Above: Yamato Dataweigh Omega multi-head scale weighing corn chips, best in class for accuracy and speed, IP67 as standard.

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ANZ WINNERS AT WORLDSTAR PACKAGING AWARDS

Australia and New Zealand winners from the PIDA awards received the fourth highest amount of awards in the 2021 WorldStar Packaging Awards. The categories where ANZ designs were recognised include Food, Beverage, Labelling & Decoration, Health & Personal Care, Household, Packaging Materials & Components and Transit. Planet Protector Packaging was recognised in three categories and NCI Packaging/Birdstone Collective in two categories.



- 10x Australia & New Zealand companies receive 13x WorldStar Awards across 7x categories
- 1x also received Special Award – Sustainable Packaging Design to Coca Cola
- 1x Lifetime Achievement Award to Ralph Moyle FAIP, CPP

<http://aipack.com.au/2021-worldstar-awards-virtual-ceremony/>



LOOKING FOR SUSTAINABLE & FLEXIBLE PACKAGING?

ONE SOLUTION: **ZIPPMATIC**

THE SUSTAINABLE SOLUTION

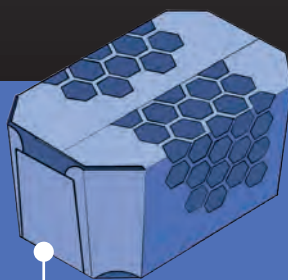
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THE 'WRAP' SOLUTION

SUSTAINABLE PACKAGING SOLUTIONS

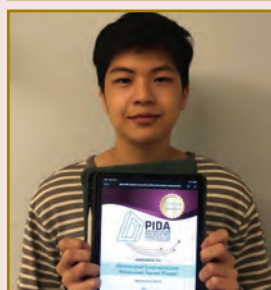


AIP in 2021: The year in review



WINNERS OF THE PIDA STUDENT AWARDS 2021

During 2021 the AIP Education Team have been working with UNSW and Monash University to embed Sustainable, Circular, Save Food and Accessible Design into the student projects. An outcome from this is a increased amount of entries into the PIDA Student Awards. Of these projects 21 students/student groups were entered into the 2022 WorldStar Student Awards. We wish them all the best of luck.



Australia enters the WorldStar Student Awards for the first time and wins Silver in the Sustainable Packaging Design category



The Australian Institute of Packaging (AIP) is pleased to advise that they entered seven student design projects for the first time in the WorldStar Student Awards which resulted in a silver in the Sustainability category and all seven teams receiving Certificates of Recognition by the global team of judges for their outstanding packaging designs.

The WorldStar Student Awards competition is owned and produced by the World Packaging Organisation (WPO) and is an international packaging design competition for students – undergraduate or graduate – from countries around the world who are involved in projects in the field of packaging, including structural design and/or graphic design. The WorldStar Student Awards are designed to encourage and show the talents of students as well as new and innovative ideas and thinking in the field of packaging.

Winning Students:



Katerina Palma



Sherlyn Marvella



Tamana Kibrea

FEBRUARY 2022

AIP Virtual Site Tour: Close the Loop

WHEN: 9 February 2022



Close the Loop



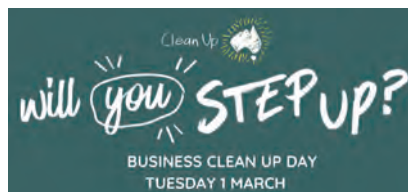
MARCH 2022

Business Clean Up Australia Day

WHEN: 1 March 2022

WHAT: A Business Clean Up is the perfect way to:

- Engage your team in fun, practical, (COVID-friendly) action
- Enjoy the great outdoors and improve your local environment at the same time
- Involve your staff, customers, suppliers, friends and families
- Grow relationships through shared experiences



AIP Virtual Site Tour: Compost Connect

WHEN: 23 March 2022



APRIL 2022

AIP Virtual Site Tour: UPM Raflatac

WHEN: 6 April 2022



JUNE 2022

PROPAK Asia 2022

WHEN: 15 to 18 June 2022

WHERE: BITECC (Bangkok International Trade & Exhibition Centre) Bangkok, Thailand

WHAT: The 29th International Processing and Packaging Technology Event for Asia. ProPak Asia, the regional's number one international trade event for Food, Drink & Pharmaceutical Processing & Packaging Technology, is a part of ProPak exhibition series running across the globe – Myanmar, India, Philippines, Middle East & North Africa, Vietnam, and China. ProPak Asia truly is the "Must-Attend" industry event in Asia for Asia, as quality and variety of products increase and expand, and productivity of operations and manufacturing standards are driven higher by consumer demands and new automation and technological advances, which will be presented at the show. ProPak Asia includes 9 Industry Zones making it easier for buyers and sellers to meet and develop great business together.

AIP to host training course alongside

PROPAK ASIA



2022 Global Packaging Forum: HYBRID EDITION

WHAT: The Australian Institute of Packaging (AIP), in conjunction with Informa Markets will be running the fourth Global Packaging Forum @ ProPak Asia 2022. The 2022 Global Packaging Forum will be run as a hybrid edition and will be held over four days. The AIP will be bringing expert speakers from across the globe to speak at these sessions.



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Discover How

JULY 2022

FoodTech Qld

WHEN: 7 & 8 July 2022

WHERE: Gold Coast Convention Centre

WHAT: This triennial industry event for the food and beverage manufacturing industry will be transformed in 2022! Get ready for a new FoodTech Qld that combines both an exhibition and conference to create the ultimate event for the industry, more information coming soon...
<https://foodtechqld.com.au/>

AIP to host training course & more alongside



AUGUST 2022

Australasian Waste & Recycling Expo (AWRE) 2022

WHEN: 24 & 25 August 2022

WHERE: International Convention Centre Sydney

WHAT: Discover an exciting showcase of full circle innovative products and sustainable solutions to collect, process and recycle waste more smartly. Future critical areas include Machinery & Equipment, Software & Services, Bins, Vehicles, Food & Organics and more. Connect with an influential community of waste and recycling professionals, suppliers/service providers, government departments, public sector bodies and special interest groups to successfully drive change throughout your specialist area.

AIP packaging sessions alongside



ProPak Philippines

WHEN: 24 to 26 August 2022

WHERE: World Trade Centre Metro Manila, Pasay City, Philippines

WHAT: ProPak Philippines is the event for international manufacturers and suppliers of machinery, technology and materials in the sectors of packaging, filling, processing, quality assurance, test and measurement and their related fields of automation, transportation, storage, refrigeration, ingredients, labeling and pollution control.

AIP to host training course alongside

Organised by



SEPTEMBER 2022

FoodTech PackTech 2022

WHEN: 20 - 22 September 2022

WHERE: Auckland Showgrounds

WHAT: Together providing a forum for education, discussion and the sharing of knowledge and expertise, critical in the sustainability and growth of the industry. Held only once every two years FTPT is a must attend event providing visitors with the opportunity to come face-to-face with the experts and discover the freshest ideas, latest technologies and the newest developments entering the F&B manufacturing and packaging technology industries. Featuring the Materials Handling & Logistics Expo, the event will attract 250+ local and international exhibiting companies and some 4,500+ qualified visitors – a must attend event for anyone involved in one of New Zealand's fastest growing industry sectors.

AIP to host training course & more alongside



OCTOBER 2022

Pack Expo International 2022

WHEN: 23 - 28 October 2022

WHERE: Chicago, IL - USA

WHAT: PMMI, the producer of PACK EXPO International, and the city of Chicago, are thrilled to welcome back the packaging and processing industries after four years! Nothing compares to in-person events—and PACK EXPO International is the event to be seen. From connecting with old colleagues and friends to forming new relationships, being at the show in-person means being in the heart of the action. Plan to be part of it in October 2022.



Up-Coming Virtual Courses, Webinars & Tradeshows

NOVEMBER 2022

thinkfood LIVE

WHEN: 10 & 11 November 2022

WHERE: Carriageworks, Sydney

WHAT: Explore a new business offering in 2022, ThinkFood Live presented by foodpro is an unique opportunity to place your business in front of the industry's top buyers looking for the latest in NPD and food manufacturing innovation. In these uncertain times, Australians are increasing their expenditure on groceries. Whether it is making their favourite meals at home or embracing better health through plant-based products what's on the shelves matters more now than ever. With demand comes the need for innovation, and that is where ThinkFood comes into play. From food science and ingredient testing right through to enabling technologies, ThinkFood exhibitors have the solutions to bring products to life.



MOVED TO 2023

Interpack

WHEN: 4 - 10 May 2023

WHERE: Dusseldorf, Germany

WHAT: Interpack is far more than just a packaging show. As the world's leading trade fair, it is the major inspiration for the packaging industry and all related process technologies. 2,700 exhibitors from more than 60 countries will present their latest ideas, innovate concepts and technological visions at interpack - not only in equipment and machinery for packaging and processing, but also in production tools for packaging materials, materials themselves, and services for the entire industry.



Foodpro 2023

WHEN: 23 - 26 July 2023

WHERE: Melbourne Convention & Exhibition Centre

WHAT: Foodpro is Australia's largest, and longest running, trade event dedicated to food production, manufacturing and distribution. Industry leaders gather, make big business deals, network and explore the latest products and solutions to create an efficient future for manufacturing.

AIP to host training course & more alongside



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LINKEDIN
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VIDEO BULLETIN
PLAY Food & Drink Business



AUSTRALASIAN Waste & Recycling Expo

REUNITING THE WASTE & RECYCLING INDUSTRY IN AUGUST 2022.

The waste, recycling and resource recovery industry has continued to boom with the increased attention, not only at a consumer level, but also at a commercial and industrial scale.

AWRE is where waste professionals come together to join forces and showcase a world of solutions towards a cleaner, more sustainable future.

Discover new and innovative solutions, learn from industry leaders and build face-to-face connections as the thriving sector reunites at AWRE 2022.

NEW INITIATIVES COMING TO AWRE 2022

RESOURCE RECOVERY SUMMIT: GETTING TO 80%

The Summit is hosted by NWRIC and WCRA, along with Major Partner NSW EPA, for high level collaboration between industry, government and waste generators. The Summit will cover topical areas such as municipal solid waste, commercial and industrial as well as construction and demolition.

INNOVATION ZONE

This zone is established to showcase the latest innovative solutions that have hit the waste & recycling market since January 2020.

NETWORKING DINNER

AWRE's very first Networking Dinner will be the ideal forum to network with dignitaries and reconnect with the waste, recycling and resource recovery sector.

24-25 AUG
2022

ICC
SYDNEY

FIND OUT MORE

[AWRE.COM.AU](https://awre.com.au)

What's coming up with foodpro 2023

foodpro returns to Melbourne in 2023, and with so much new to explore, there has never been a better time to get involved. Find out more about the new additions to the show floor and upcoming sister events in 2022.

Why foodpro?

Running for over 50 years, foodpro is southern hemisphere's biggest and longest running trade event dedicated to all sectors of food and beverage manufacturing and processing. Event organisers, Diversified Communications Australia, understand the importance of events like foodpro to support business and economic growth. Face-to-face interaction is the foundation of building strong relationship, and in-person events create the necessary push for business to happen and have significant ROI implications.

Although changing consumer demand have created pressure on the manufacturing industry in the past few years, this sector remains one of the strongest and biggest manufacturing sectors in Australia – and foodpro is looking forward to continuing to support this thriving and resilient industry.

What's new in 2023?

foodpro continues to expand and offer new and exciting opportunities for the industry to look forward in its upcoming events. In 2023, visitors and exhibitors alike will be able to experience a full product development cycle right on the show floor with the New Product Development Zone in collaboration with foodpro's newest event offering thinkfood LIVE.



Attendees can most of their time at the event with ample opportunity to connect with peers at the new Networking Bar and VIP spaces, accompanied with live music and happy hours each afternoon of the event. Exhibitors will also be able to take advantage of an exclusive Chill Zone to conduct business away from the hustle and bustle of their stand and the event floor.

Connect with industry leaders

Continued support from key industry associations, means that the foodpro 2023 seminar series is already beginning to take shape. The free seminar series is a drawcard for both visitors and exhibitors, featuring the latest insights from experts on the biggest trends and challenges facing Australia's manufacturing industry.

foodpro will be partnering with The Australian Institute of Packaging (AIP) in 2023, on the upcoming event Nerida Kelton, Executive Director of AIP, commented: *"The Australian Institute of Packaging (AIP) is pleased to partner with foodpro; the largest trade exhibition in Australia specifically designed for the entire food value chain. As the peak professional body for packaging training & education in Australasia we look forward to working with the FoodPro organisers and developing a unique educational offering for the visitors that covers Circular and Sustainable Packaging Design and more."*

Coming up in 2022...

Foodpro's upcoming sister events FoodTech Qld and the brand-new, thinkfood LIVE take place in 2022!

What's coming up with foodpro 2023



life! At thinkfood LIVE you will be at the epicentre of a 360-product solution, transform your product ideation into a market reality amongst like-minded professionals and trusted industry suppliers.

To find out more about all upcoming foodpro events, and to get involved visit:

Foodpro: <https://foodproexh.com>

FoodTech Qld: <https://foodtechqld.com.au/>

Thinkfood LIVE: <https://thinkfood.com.au/>

FoodTech Qld is moving to a new location in the sunny Gold Coast, 7-8 July 2022 at the Gold Coast Exhibition & Convention Centre. Leading the way for the food and agriculture manufacturing communities across Australia. FoodTech Qld will feature both an exhibition floor and conference stream, opening the opportunity for attendees to conduct business and hear the latest from industry speakers.

Thinkfood LIVE is a unique new event for food professionals to discover the best suppliers to bring their new food and beverage products to





+ Exhibition
+ Conference

7-8 July 2022
Gold Coast Convention and Exhibition Centre

+

+

+

+







The destination for food innovation

SCAN TO FIND OUT MORE



foodtechqld.com.au



The 3rd International Processing and Packaging Trade Event for the Philippines

PROPAK
PHILIPPINES

NEW DATES

RESCHEDULED ON

24–26 August 2022

World Trade Center Metro Manila, Pasay City

Organised by



informa markets



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www.propakphilippines.com

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Informa Markets - Philippines

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Center, 13 Coral Way, Central Business Park,
1308 Pasay City, Metro Manila, Philippines

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Circular design through reuse

As efforts step up to eliminate single-use plastics and reduce unnecessary packaging, we are seeing a significant increase in reusable and refillable packaging programs across the globe. Nerida Kelton, AIP's executive director, writes.



Natures Organics' My Soda Australia is a cruelty free, plant-based haircare range, with packaging designed to be reusable and refillable.

materials and design selected can withstand multiple usage, on-going cleaning and sanitising, transportation and more.

The packaging also needs to be durable, and yet aesthetically pleasing to consumers, intuitively easy to refill, and recyclable in the country in which it is sold.

Reusable and refillable packaging is one of the steps to meet global and domestic packaging directives and targets and to design out waste at the start of the design process.

Developing reusable packaging also enables brands to become more circular by design through:

- designing durable packaging that can withstand multiple uses;
- designing refillable packs that incorporate recycled content;
- designing packaging from the outset to be truly recyclable in the country it is sold.
- designing to incorporate intuitive recycling labels such as ARL, OPRL and How2Recycle on-pack to effectively communicate to consumers the correct disposal of the packaging at end of life.

Refillable packaging also enables consumers to join a brand's journey towards more circular and sustainable business practices.

A number of recent reusable packaging innovations that stand out include Zero Co, The Body Shop, Natures Organics and ecostore.

ZERO CO REDUCES OCEAN PLASTICS, USES RECYCLED CONTENT

Zero Co set out to reduce the large amount of unnecessary single-use plastics that household products typically use and at the same time clean up the plastic floating in the oceans. It has created an innovative reuse and refill option that is made from ocean plastic and recycled plastic.

Its Forever Bottle dispensers are made from plastic waste pulled out of the ocean, beaches and landfill. So far, it has removed over 6000kg of plastic rubbish from the ocean. Consumers then refill their dispensers using a spout pouch. Its reusable refill spout pouches are made from plastic waste diverted from landfill and are designed to be refilled and reused repeatedly. The Zero Co spout pouches are made from post-manufacture recycled PET and recycled PE. This program has created a closed loop re-use service not seen with flexible spout pouch packaging before in Australia. The pouch packaging can be recycled through soft plastic collection at the eventual end-of-life.

The double spout access feature with

THE programs are following the four reuse models – refill at home; refill on the go; return from home and return on the go – developed by the Ellen MacArthur Foundation, that help deliver a better consumer experience.

In July 2021 the World Economic Forum published an insight report on the Future of Reusable Consumption models that was developed in collaboration with Kearney.

The report builds on proprietary research to create a reuse viability framework for reuse systems and to serve as a guide for the scaling of reuse. The framework generates six dimensions including: (1) delivery-model efficiency, (2) consumer experience, (3) technology advancement, (4) regulation, (5) cultural shift

and (6) demonstration of impact.

Reloop & Zero Waste Europe recently released the Reusable vs Single-Use Packaging report which demonstrates, through Lifecycle Assessment (LCA), the true environmental value of reuse models through the number of cycles or distances and break-even points. The report also identified areas of improvement in reuse models including the important role of Deposit Return Schemes (DRS), standardisation across packaging design, pooling systems, pricing accessibility for consumers and scalability considerations.

As is evidenced in the Reusable VS Single-Use Packaging report, packaging technologists need to ensure that the packaging

and refill

anti-drip function provides easy pouring by consumers, while also allowing for easy re-filling by Zero Co when pouches are returned. Once the end consumer uses the spout pouches to refill their rigid containers at home, the pouches are returned to Zero Co for sterilisation and re-filling, to then be sent out to another customer. Consumers can also scan the QR code on their pouches to track and view how many times the pouch has been re-used, while also accessing information about the sustainability goals of the company.

THE BODY SHOP OFFERS REFILLABLE STATIONS

In 2021 The Body Shop has launched a massive rollout of refill stations for shower gels, shampoos and conditioners across 500 stores globally this year, and a further 300 stores in 2022. Refill stations will launch in Australian stores in the second half of 2021. The Body Shop will also extend its in-store recycling scheme 'Return, Recycle and Repeat', across 800 stores in 14 markets by the end of 2021. Interestingly The Body Shop was one of the first businesses to look at refillable and reusable solutions in the '90s when it introduced a 'Bring Back Our Bottle' recycling scheme. Sadly, at the time consumers were unable to embrace the concept which is a stark difference to today's consumer.

NATURES ORGANICS INSPIRES NEXT GENERATION TO REUSE

In early 2021 Natures Organics launched My Soda Australia, a cruelty free, plant-based haircare range that designed its packaging to be reusable and refillable. My Soda Australia designed its refillable pouches to

Refillable packaging also enables consumers to join a brand's journey towards more circular and sustainable business practices."

be recyclable through the REDcycle Return to Store program. The pouches carry the Australasian Recycling Label on-pack and use 80 per cent less plastic than previous packs. The packs are crafted from recycled plastic sourced right here in Australia and all bottles and refill pouches are fully recyclable. The range is also manufactured locally in Melbourne with the help of solar power.

This follows the Natures Organics successful launch in 2020 of the reusable and refillable starter kit for the Cove laundry and bathroom cleaning range. The starter kit comes with aluminium reusable bottles and pouches for refilling the respective products. The company has also designed the refill pouches to contain more active ingredients and at least 75 per cent less water compared to normal cleaning products. This ensures that the environmental footprint of the product is less during transportation and consumers can simply add water to the products at home from the tap. Natures Organics has partnered with REDcycle to ensure that the refill packs are recycled. The products are shipped in cardboard cartons made from recycled material.

NEW ZEALAND'S ECOSTORE – 100 REFILL STATIONS

In 2020 New Zealand's eco-conscious brand ecostore launched over 100 refill stations across New Zealand. It also has partnerships with select retail stores in Australia, Japan, Singapore, Malaysia, and Hong Kong.

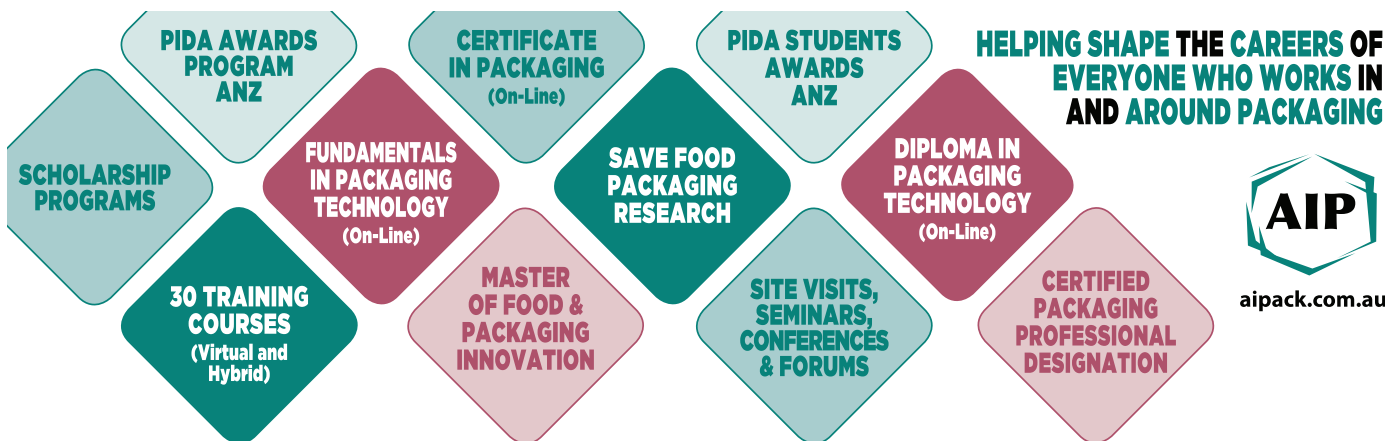
The refillable range includes hand wash, body wash, shampoo, conditioner, laundry liquid and dishwashing liquid and aims to reduce single-use plastic packaging. The ecostore bottles are made from renewable sugarcane materials and PCR recycled content. And ecostore has also launched a new aluminium refillable range featuring designs by New Zealand artist John Reynolds.

Consumers can purchase their products in store and then take their empties back to refill over and over again at ecostore refill stations.

The program has been designed with an easy four-step process, guaranteeing a simple to use customer journey – (1) customers choose a small or large ecostore refill bottle; (2) select the product and apply the matching sticker; (3) refill the bottle by positioning the bottle under the tap or pump, and fill to the top; and (4) purchase by taking the bottle to the checkout.

Brands, retailers and consumers are starting to agree that a shift towards more refillable and reusable packaging not only reduces the use of single use plastics, but also enables more recycled content to be used, enhances circularity of the packs, which in turn will lower the environmental impact of the product and its packaging.

Consumers are driving this change and I encourage more packaging technologists to consider reuse and refill within their sustainable packaging design principles. ■



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AIP: Peak Professional Body for Packaging Education & Training in Australasia

The Australian Institute of Packaging (AIP) is the peak professional body for packaging education and training in Australasia; helping to shape the careers of generations of packaging professionals – from packaging technologists to international packaging business leaders along with a host of people in associated disciplines – sales and marketing, purchasing, production and environment.

The AIP was founded in 1963 in response to a need for packaging technologists to interact and provide a professional identity for individuals within the packaging industry. Having served the industry for over 58 years the AIP is the only professional body designed to provide professional and personal development to all levels of the packaging industry; educational offerings include the Diploma in Packaging Technology, the Certificate in Packaging, the Master in Food & Packaging Innovation, Certified Packaging Professional (CPP) Designation, Fundamentals of Packaging Technology course, half-day training courses, conferences, technical forums, site visits, Influential Women's Mentoring program, internship program and more. The AIP covers Australia, New Zealand and parts of Asia. To find out more email info@aipack.com.au or www.aipack.com.au

PROUD MEMBER



Annual Australasian Packaging Innovation & Design (PIDA) Awards

Coordinated by the Australian Institute of Packaging (AIP), the Annual Australasian Packaging Innovation & Design (PIDA) Awards are designed to recognise companies and individuals who are making a significant difference in their field in Australia and New Zealand.

PIDA Categories include:

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The PIDA Awards are the exclusive award program for all Australia and New Zealand entries into the prestigious WorldStar Packaging Awards, which are coordinated by the World Packaging Organisation (WPO). The AIP are the Member for Australia and New Zealand for the WPO. To find out more email pida@aipack.com.au