

PREVENT & SAVE

To address the significant challenge posed by packaging waste, we must aim to replace today's linear product life cycles of “take – make – dispose” with product life cycles that maximise the use of our finite resources and become more circular.

Businesses may have the opportunity to use returnable packaging from closed loop systems or work with their suppliers so that they take back packaging for refilling. They may also choose to reuse packaging that has been removed from supplied raw materials on their own finished products. They may also have the opportunity to send unwanted resources to other companies to maximise their usage and avoid the creation of waste.

The benefits of reusable packaging to Repak members are many:

- Reduced waste from incoming packaging materials.
- Reduced overall packaging spend.
- Reduced Repak fees and waste management costs.

The case studies contained within this brochure come from businesses who have taken positive steps to reuse or return packaging in order to reduce waste.

By designing or specifying packaging in this way, which in some cases may mean it becomes more durable, industry can reduce the costs associated with single use packaging. This also prevents significant volumes of packaging waste from being placed on the Irish market.

Repak has a free Prevent and Save Programme available to all of its members. The packaging team can assist businesses who are considering returnable packaging options or who wish to optimise their packaging systems and save money.

Repak's Prevent and Save programme provides members with:

- A free packaging survey at your premises.
- A free confidential report on packaging supplied or used within your business.
- Recommendations on packaging cost savings and waste management opportunities.
- Ongoing updates on packaging minimisation best practice.

To avail of our Prevent and Save programme please contact Brian Walsh, one of our packaging technologists who is here to assist you. Email us at prevention@repak.ie or phone 01 467 0190.



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Interpac Ltd. -

Reusable Multitank™ Plastic Tote

COMPANY OVERVIEW

Based in Dublin, Repak member Interpac Ltd has over twenty years experience in the supply and nationwide distribution of pharmaceutical, food and chemical packaging.

The company was formed with the goal of changing the way that packaging is sourced, designed and delivered to the customer with the primary focus being on service and quality.

Interpac deal in a wide range of UN and non-UN approved packaging for chemical, pharmaceutical and hazardous products & waste. Interpac take a proactive approach to tackling the issue of packaging waste for the benefit of their customers and the environment.

INTERPAC'S REUSABLE PACKAGING SOLUTION

Interpac are the nominated agent for the Multitank™ solution in Ireland. Multitank™ is an innovative reusable storage and transport container, which provides a safe and cost efficient solution for carrying bulk products.

It is the first reusable HDPE plastic watertight container with 400 litres capacity that does not always require a liner bag and can be used for both food and non-food applications.

Multitank™ therefore provides an excellent replacement for metal and plastic containers, pallet boxes, cardboard boxes or foldable containers with plastic liner bags, which can often prove prohibitive to return to suppliers.

The cost of returning Multitank™ for refilling is greatly reduced versus traditional IBCs and drums.

Multitank™ contains easily replaceable pallet feet, which means that it is easy to move around with a pallet truck or forklift and no pallet is required.



ENVIRONMENTAL BENEFITS

- Multitank™ can be nested, which means that it can reduce the space required for storage and the return of empties by up to 75% compared to plastic drums.
- No additional single use packaging such as stretchwrap or plastic strapping are required when transporting Multitank™, which reduces packaging waste and recycling.
- By using Multitank™, CO₂ emissions can be reduced by 6,000kg over 10 years when compared to single use plastic drums.

FURTHER INFORMATION

For more information on Interpac and the Multitank solution please contact jordan@interpac.ie or call the Interpac office on 01-2940600.

www.interpac.ie

PREVENT & SAVE

Lidl Ireland GmbH - Reusable Pallets

COMPANY OVERVIEW

Repak member, Lidl Ireland are the market leader in discount retailing in Ireland with 150 stores and three Regional Distribution Centres. Through Lidl's sustainability strategy, 'A Better Tomorrow' they strive to continually improve efficiency and reduce environmental impact across the entire supply chain.

Lidl have consistently demonstrated their commitment to reducing waste and increasing reuse and recycling across their network of stores, Regional Distribution Centres and at their Head Office in Tallaght.

Lidl have reduced their general waste collection per store by more than 11% since early 2015 and continue to divert more waste streams from general waste. Lidl currently divert 98% waste from landfill.

Staff engagement is key to Lidl's success and this can only be achieved by the interest and dedication of staff and management in all areas of the business. To increase employee engagement and understanding of waste management, Lidl carry out regular training workshops and provide easily understandable materials and instructions on-site.

These efforts have been recognised by Repak, with Lidl winning the Pakman Recycling Champion Award in 2015 and they were also shortlisted for this award in 2016.

REUSABLE PALLETS AT LIDL IRELAND

Across their extensive network of stores and Regional Distribution Centres, Lidl Ireland maximise the use of both wooden pallets from pallet pooling systems and various returnable plastic pallets. The system provides intrinsic business benefits as well as improved environmental performance from higher transport efficiency, lower losses and recycling at the end of life.

Lidl use

- Reusable Wooden or plastic 1200mm x 800mm Euro pallets such as EPAL and Chep pallets.
- 800mm x 600mm wooden display pallets.
- 800mm x 600mm plastic display pallets.





ENVIRONMENTAL BENEFITS

- This reuse of durable plastic and wooden pallets ensures that Lidl minimise wooden and plastic packaging waste throughout the supply chain.
- More than 41,500 tonnes of potential waste from single trip pallet recycling or disposal is avoided.

FURTHER INFORMATION

For more information on Lidl Ireland please visit:
www.lidl.ie



PREVENT & SAVE

Manor Farm Ltd. - Returnable Crates and Pallets

COMPANY OVERVIEW

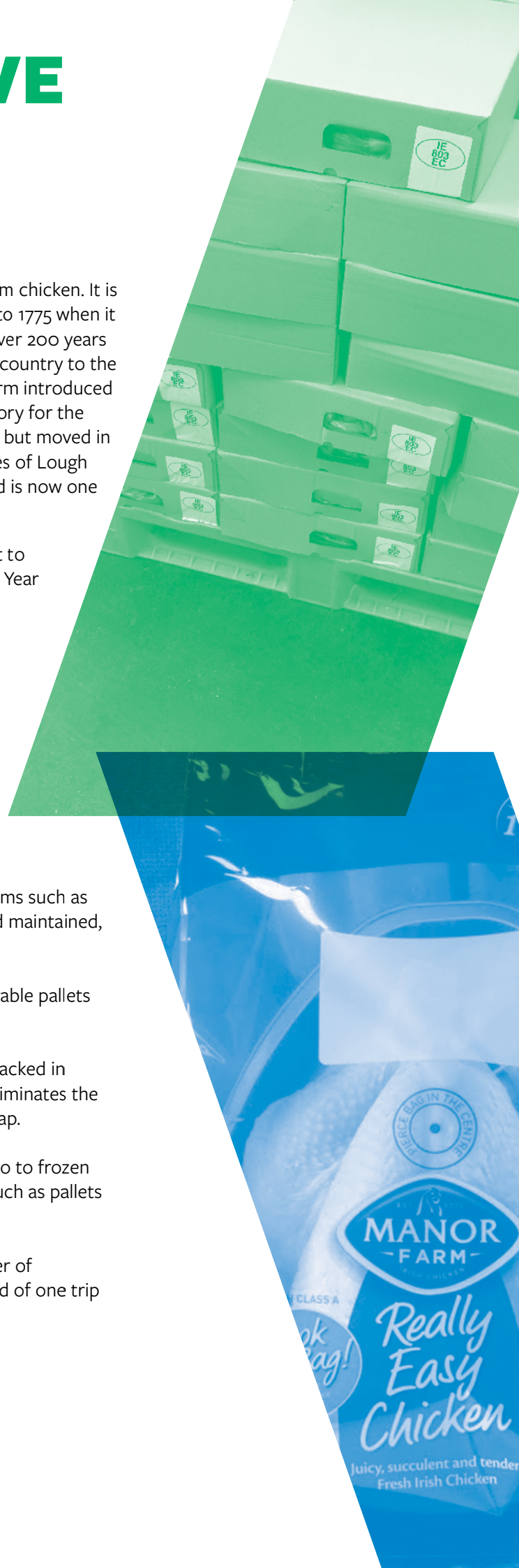
Carton Bros is the name of the company that produces Manor Farm chicken. It is one of the oldest family companies in the country and dates back to 1775 when it was first born in the very heart of trading in the Dublin Markets. Over 200 years ago chickens would be brought from the farmyards all around the country to the Dublin Markets and Carton's would sell them on. In 1956 Manor Farm introduced the chicken as we now know it today into Ireland. The original factory for the company was still in the heart of Dublin located in the Market area but moved in 1970 to a custom-built factory in Shercock, Co. Cavan on the shores of Lough Sillan. The plant has recently completed a major €13m overhaul and is now one of the most modern and sophisticated in Europe.

Manor Farm have been recognised by Repak for their commitment to reducing packaging waste and won both the Repak Member of the Year Award and Best Prevention Initiative Award in 2014.

REUSE INITIATIVES AT MANOR FARM

Manor Farm use a number of types of returnable packaging within their plant. This significantly reduces the requirement to purchase and dispose of single trip packaging.

- Since 2010, Manor Farm have increased the amount of packaging reused on the site from 62.9% to an impressive 84.5%.
- Manor Farm are part of reusable wooden pallet loop systems such as Chep and La Pallette Rouge. These pallets are repaired and maintained, allowing for the maximum number of trips.
- Reusable plastic pallets are also used. These extremely durable pallets have been known to last up to ten years.
- Products that are processed further within the plant are packed in pallet sized 600 litre bulk containers until required. This eliminates the need for packaging such as cardboard boxes and pallet wrap.
- Large returnable steel frames are used for products that go to frozen storage. This also avoids the use of single trip packaging such as pallets and stretchwrap.
- Selected Manor Farm products are dispatched to a number of Ireland's largest retailers in returnable plastic crates instead of one trip cardboard boxes.





ENVIRONMENTAL BENEFITS

- By using pallets from reusable pallet pooling systems, Manor Farm have avoided the use of more than 71,000 single use pallets.
- Manor Farm record more than 2 million crate movements per annum through the reuse loop.
- By using returnable crates instead of cardboard boxes, Manor Farm have prevented more than 1400 tonnes of cardboard waste from being placed on the Irish market.

FURTHER INFORMATION

For further information on Manor Farm please visit:
www.chicken.ie



PREVENT & SAVE

Saint Gobain Construction Products (Ireland) Ltd. - Reusable Primary Packaging for Adhesives

COMPANY OVERVIEW

Repak member Gyproc began as Gypsum & Bricks in 1936 and has provided materials for some of the most iconic buildings on the island of Ireland. Gyproc have been manufacturing in Ireland since 1936, with Gypsum rock mined from a deposit in Knocknacran, Co. Monaghan. From this raw material, an extensive range of plasterboards and plasters are manufactured at the production facility at Kingscourt, Co. Cavan.

In 2005 Gypsum became part of the Saint-Gobain group; the world leader in design, production and distribution of construction materials. Gyproc provide innovative, cost-effective and reliable products that meet the demands of the construction industry.

Gyproc have been involved in many of the biggest and most prestigious commercial building projects on the island of Ireland since the 1940's including: Cork City Hall, The National Convention Centre, 3 Arena, The Aviva Stadium, Titanic Belfast, the Bord Gais Energy Theatre and the landmark Terminal 2 at Dublin Airport.

PACKAGING REUSE AT SAINT GOBAIN CONSTRUCTION PRODUCTS (IRELAND) LTD.

By taking deliveries of adhesive in returnable 1000 litre bulk containers

- Saint Gobain Construction Products (Ireland) avoid the use of small single use 10kg and 30kg buckets and therefore prevent plastic waste resulting from this packaging format.
- As the IBCs are also collapsible, the space required to store and return used IBCs to the supplier is also significantly reduced.



ENVIRONMENTAL BENEFITS

This initiative prevents

- Over 4,000 plastic drums being placed on the market and avoids 4,000kg of plastic waste per annum when compared to a 30 kg single use plastic drum or
- Over 12,000 plastic drums or 6,000kg of plastic waste per annum when compared to a 10kg drum.

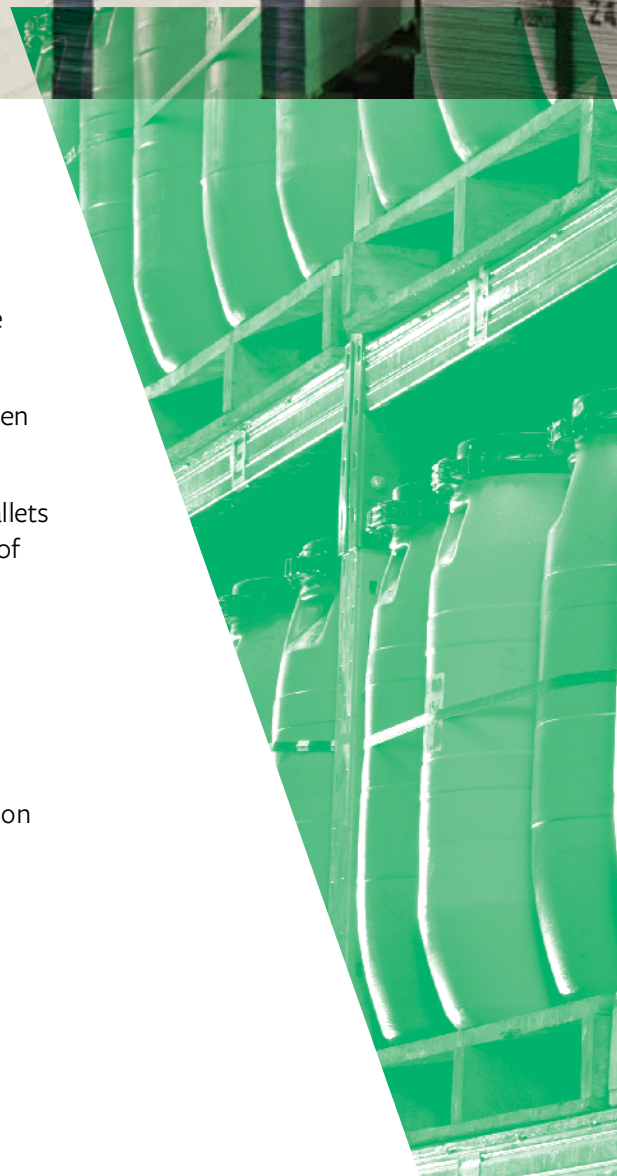
The initiative has also reduced the quantity of timber waste from incoming pallets by more than 3600 kg and further decreased plastic waste from the removal of pallet wrap.

Due to reusable nature of IBCs, packaging is longer lasting and is more cost efficient in the long term.

FURTHER INFORMATION

For further information on Gyproc Saint Gobain and their range of construction products please visit:

www.gyproc.ie



PREVENT & SAVE

MacCann & Byrne Ltd. - Onward Reuse and Reduction of Packaging

COMPANY OVERVIEW

Repak member MacCann & Byrne is a family owned business based in Athboy, Co. Meath. Established in 1906, the company prides itself on the production and distribution of the highest Quality Timber and Building Products. Their product range includes timber, sheet materials, building materials and decking.

MacCann & Byrne promotes Sustainable Forest Management through Forest Stewardship Council (FSC) and Programme for the Endorsement of Forest Certification (PEFC) certification. The company's standards lay the foundation for all of us to gain the benefits of forests economically, socially and environmentally.

MacCann & Byrne are the largest producers of quality timber products in Ireland with a reputation for quality and service. The company works in partnership with Scandinavian sawmills and leading European manufacturers to maintain the highest standards of quality across their product range.

MacCann & Byrne are extremely conscientious about avoiding waste and continuously look for opportunities to reuse incoming packaging and reduce the quantity of packaging they place on their finished product.

ONWARD REUSE AT MACCANN & BYRNE

Timber shavings are produced by MacCann & Byrne and sold to their customers as animal bedding.

Over the past number of years MacCann & Byrne have actively looked at ways to reuse packaging arriving from their suppliers along with reducing the packaging on this format.

- MacCann & Byrne now reuse plastic covers from deliveries of timber on a number of outgoing finished products.
- By working with a local packaging supplier, they have also reduced the weight of the bags used to pack the timber shavings from 60 micron to 50 micron.





ENVIRONMENTAL BENEFITS

- The onward reuse of plastic covers on outgoing finished products has prevented the need to purchase more than 1,500 pallet covers and avoided over 1500kg of plastic waste.
- By reducing the weight of the LDPE bag used to pack the bales, material usage has been reduced by more than 13.5% from 110 grams to 95 grams.
- More than 1160 kgs of plastic has been saved on an annual basis since the implementation of this bag weight reduction project.

FURTHER INFORMATION

For further information on MacCann & Byrne Ltd please phone (046) 9432104 or email info@maccannandbyrne.ie.



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Smile Resource Exchange – Identifying Reuse Opportunities Through Synergies

COMPANY OVERVIEW

SMILE Resource Exchange is Ireland's national industrial symbiosis programme providing a free platform for businesses to connect and identify synergies where a waste in one business can be a resource to another.

The Smile Programme is assisting business with preventing waste, increasing reuse and closing the loop to ensure a move towards a circular economy.

Identified and established in 2010, SMILE quickly expanded from its roots in Cork to becoming a national service in 2014 with over 1,400 businesses actively engaging and benefiting from the programme.

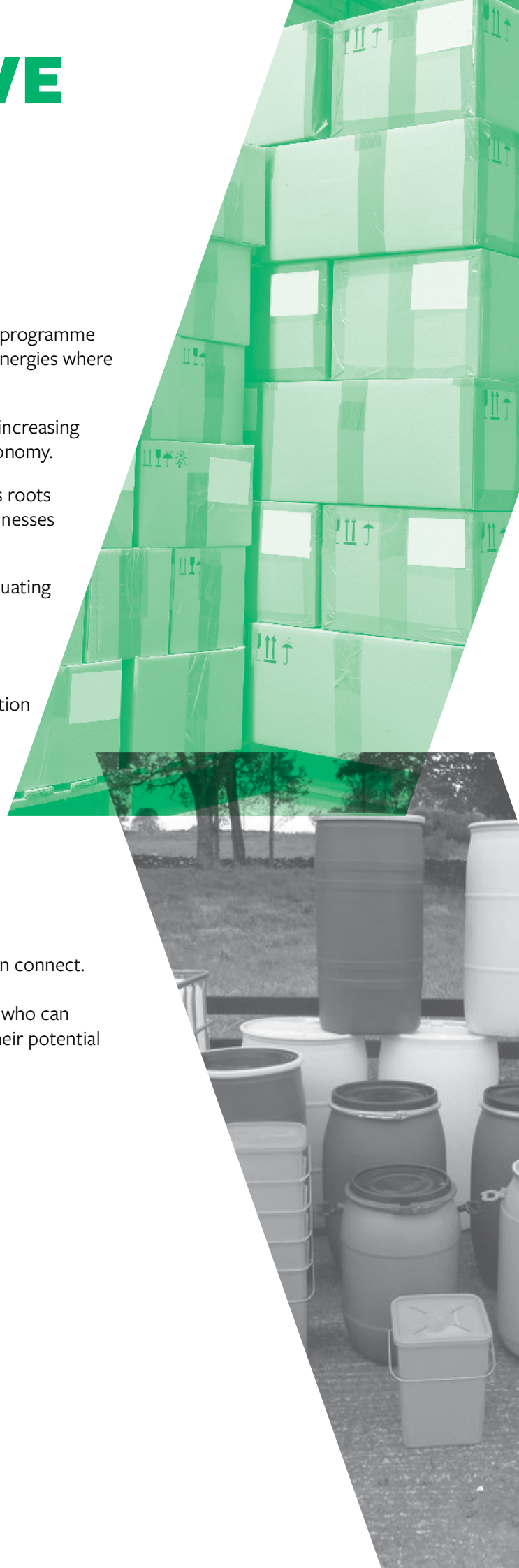
Since January 2015, 85 successful synergies have been recorded equating to an estimated 5,052 tonnes of material and cost savings of over €1.2 million.

These achievements have been recognised by Repak with SMILE Resource Exchange receiving the Pakman Award for Waste Prevention in 2016.

HOW SMILE ENCOURAGES PACKAGING REUSE

SMILE deliver their programme through a diversified approach which includes:

- Regular events that help business to meet face to face to identify opportunities.
- A website which provides an online platform where business can connect.
- A team of technical consultants across the three waste regions who can assist in testing packaging materials and who can understand their potential as resources.





ENVIRONMENTAL BENEFITS

Some examples of packaging material savings possible through the programme are as follows:

- A company interested in 13 tonnes of virgin plastic material, obtained it through the exchange programme, saving both member businesses more than €15,000 combined and diverting the material from waste.
- A leading cardboard recycling company develops custom made boxes from used cardboard boxes and layer pads. Through SMILE over 14 tonnes of cardboard (17,000 items) has been exchanged increasing the lifecycle of these products.
- Through the SMILE Programme one member business that had 600 pallets that they no longer required developed a synergy with a company. This ongoing synergy has led to the reuse of more than 14 tonnes of wooden pallets and provided them with cost savings of €200 per month.

FURTHER INFORMATION

For further information on SMILE Resource Exchange please visit:

www.smileexchange.ie

