



PackTheFuture

Sustainable Plastic Packaging Award 2018

PackTheFuture Award 2018

13 Winners announced

Paris, Bad Homburg, November 27th, 2018: The ceremony for the 4th edition of «PackTheFuture – The Sustainable Plastic Packaging Award», managed by ELIPSO & IK, the trade organisations representing plastic & flexible packaging in France and Germany, has taken place today in Paris at ALL4PACK, the unmissable event for the packaging sector.

For the 4th PackTheFuture Award, a competition that is now a European benchmark in the plastic and flexible packaging sector, 48 entries were received from Austrian, French, German, Italian and Spanish firms, reflecting the sector's dynamism and innovation capability.

Once again, the high quality of the entries demonstrates that the members of IK and ELIPSO have already been very successful in pursuing the path to more sustainable plastic packaging solutions. The versatile innovations reflect the growing importance of sustainable packaging for the plastic packaging sector in Europe. The high number of entries in the category Eco Design underlines the increasing consideration of the circular economy by the companies of the industry.

The managers of ELIPSO and IK are very satisfied with the quality of the entries received as well as the diversity of the innovations and therefore wish to continue their cooperation and announce already the 5th edition of PackTheFuture which will take place in May 2020 at the interpack in Düsseldorf.

About the PackTheFuture Award:

Established in 2014, the PackTheFuture Award is based on an initiative of ELIPSO - The French Plastic and Flexible Packaging Association and IK Industrievereinigung Kunststoffverpackungen e.V. – The German Plastics Packaging Association. The packaging award focuses on promoting to the public the innovative and creative potential of all kinds of plastic packaging. It offers an ideal opportunity for ELIPSO and IK members to advertise the sustainability of their own plastic packaging products. The World Packaging Organization (WPO) has recognized the PackTheFuture Award as a qualifying contest for the WorldStar Awards: the largest packaging competition worldwide. The winners of this edition 2018 will be qualified to participate in the 2019 edition of the Worldstar Awards.

Pack The Future 2018 Competition Winners

Ecodesign Category :

- GROUPE BARBIER (France) for its innovation « Low Fusion Film »
- HEINZ PLASTICS BÖHM GMBH (Germany) for its innovation « Recyclat-Verschluss »
- INCOPLAS (France) for its innovation « rPE-range »
- JOKEY PLASTIK WIPPERFÜRTH GMBH (Germany) for its innovation « Jokey Multi Pack 185 »
- NORDFOLIEN GMBH (Germany) for its innovation « NorDiFill®-Eco »

Special Award :

- ALPLA WERKE ALWIN LEHNER GMBH & CO KG (Austria) for its innovation « World's first recyclable shampoo bottle made of "beach plastic" »

Product Protection Category :

- RPC BRAMLAGE (France) for its innovation « DEFI 3 »
- OHLRO HARTSCHAUM GMBH (Germany) for its innovation « O-BOX H250 »

Social Benefit Category :

- RPC Bender GmbH (Germany) for its innovation « Sportscap Secure Flip 1881 »
- BETAPACK (France) for its innovation « BOUCHON SNAP CLIC PELICAN »
- BERNHARDT Packaging & Process (France) for its innovation « STERI-LIQUID POUCH »

Save Food Category :

- Olivo & Knauf Industries (France) for their common innovation « BOX MAX 64 »

The 2018 PackTheFuture Award is sponsored by :



Thanks to our partner :



Names of winners, press kit, book innovation (with 48 key creative products in french, english and german versions) and pictures of the ceremony are available on our website :

www.packthefuture.com



The 13 winners of PackTheFuture 2018 are to be discovered in the attached file.



Pack The Future

Sustainable Plastic Packaging Award 2018

About the organisers:

ELIPSO is the trade organisation that represents plastic and flexible packaging manufacturers in France. The plastic and flexible packaging industries employ 38,000 employees in 320 companies for annual turnover of €8.1 billion.

These industries are active in every sector of industry and distribution (food & agriculture, beauty & health, personal care, cleaning, chemicals, industrial products, construction transport and logistics).

Contact: Christophe Morvan - Tel. +33 (0)1 46 22 02 27, c.morvan@elipso.org

The IK Industrievereinigung Kunststoffverpackungen e.V. is the trade association which represents the interests of manufacturers of plastic packaging and industrial films in Germany and Europe. The predominantly medium-sized companies in the sector employ over 90,000 people and generate annual sales of 15 billion euros. Plastic packaging currently accounts for 44 per cent of the German packaging market.

Contact: Inga Kelkenberg, Tel: +49 6172 92 66 30 i.kelkenberg@kunststoffverpackungen.de

ELIPSO Contact:

Christophe Morvan / +33 1 46 22 02 27

IK Contact:

Inga Kelkenberg / +49 6172 92 66 30



PackTheFuture
Sustainable Plastic Packaging Award 2018

Winners 2018

AWARD

Ecodesign Category



GROUPE BARBIER
for its innovation
« Low Fusion Film »



**HEINZ PLASTICS
BÖHM GMBH**
its innovation
« Recyclat-Verschluss »



INCOPLAS
for its innovation
« rPE-range »



**JOKEY PLASTIK
WIPPERFÜRTH GMBH**
for its innovation
« Jokey Multi Pack 185 »

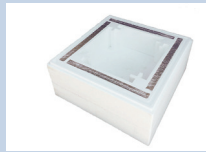


NORDFOLIEN GMBH
for its innovation
« NorDiFill®-Eco »

Product Protection Category



RPC BRAMLAGE
for its innovation
« DEFI 3 »



OHLRO HARTSCHAUM GMBH
for its innovation
« O-BOX H250 »

Social Benefit Category



RPC Bender GmbH
for its innovation
« Sportscap Secure Flip 1881 »



BETAPACK
for its innovation
« BOUCHON SNAP CLIC PELICAN »



**BERNHARDT Packaging
& Process**
for its innovation
« STERI-LIQUID POUCH »

Special Award



**ALPHA WERKE ALWIN LEHNER
GMBH & CO KG** for its innovation
« World's first recyclable shampoo
bottle made of „beach plastic“ »

Save Food Category



Olivo & Knauf Industries
for their common innovation
« BOX MAX 64 »

The 13 Winners of the PackTheFuture Award 2018



GROUPE BARBIER (France)

Innovation : LOW FUSION FILM



To make this film our starting point was the realization that our industrial customers could support a considerable cost of energy. For the bottlers particularly, the process of conditioning with shrink oven, are very energy consuming in gas or electricity. Indeed, in a continuing process with ovens at 200°C/240°C 8 to 10 months per year that can generate costs impacting from a financial but especially environmental point of view.

Thanks to new extrusion technologies and knowhow, we can produce with more layers allows us the combination of several additives which increasing the power of shrinking of the film while lowering the thickness and also a possible integration of recycled material inside.

This film has the particular feature to reduce the temperature of the oven during the shrinking process with multiple impacts:

- * reduction of the temperatures between 20 and 40°C = energy saving,
- * reduction of the thickness of approximately 10µm = less plastic consuming - 18%,
- * reduction of the carbon footprint with 20% of recycled material= Co2 savings - 17%,
- * maintain the technical and mechanical features, visual aspect of the film,
- * Slightly more expensive around 4%.

At the end is the combination of a technical know-how and the wish of our industrial consumers which want to reduce their carbon impact who made the success of this Low Fusion Film.

HEINZ PLASTICS BÖHM GMBH (Germany)



Innovation: RECYCLAT-VERSCHLUSS



First fully functional closure made of 100% recycled polypropylene whose material is fully derived from the “yellow bag”.

As a development partner and pioneer in sustainability, the company Werner & Mertz uses bottles made from recycled material as standard in its “Frosch” brand products and closes them with the cap of Heinz Plastics Böhm. Even the green colour of the flap closure is sustainable!

This closure can also be recycled, creating a closed material cycle as a contribution to protect the environment.

INCOPLAS (France)



Innovation : rPE-range



The “rPE bottle range” is made of HDPE resin in which at least 50% of post consumer recycled material is incorporated.

While processing this resin, supplied by Total, we succeed in maintaining and even improving mechanical and technical properties of the packaging.

When usually customers feared quality loss when using PCR, we can now assure them of a high and stable bottle quality. This offers a strong argument for customers to promote the use of PCR.

JOKEY PLASTIK WIPPERFÜRTH GMBH (Germany)



Innovation : « Jokey Multi Pack 185 »



It is not really an innovation for Jokey. We have produced packaging made of post-consumer secondary raw material since 1991. Unfortunately, without great success since the acceptance of packaging made of secondary raw material is not very high in the market.

Even though the use of recycled material for packaging would be an important step for the recycling economy. Instead of producing the buckets completely in grey recycled material, we offer our customers the option of an individually colour scheme of the lid and the handle. Both need to fulfil high physical requirements and offer apart from the visual perception also safety in everyday use (safety when carrying and repeated open and closing).

Additionally, we decorate the packaging with a homogenous PP-IML and give the “grey” bucket an attractive and individual visiting card at the POS. Of course, also this IML can be made with smart features like scent, watermarks and many more.

In that case, the body is made of 100% postconsumer material and its “grey” appearance is nearly invisible. It goes without saying that lids and handles can also be made of post-consumer material.

Since June 2018 we advertise for the use of secondary raw material with the initiative “grey is the new green”.

NORDFOLIEN GMBH (Germany)



Innovation : « NorDiFill®-Eco »



Packaging is considered as a major point of discussion in terms of sustainability. The use of recycling material is being promoted by initiatives, brand owners and legislation. Nordfolien has developed an innovative Norec® recycling system for post-industrial and post-consumer packaging waste. It is designed to produce high grade recycled material that is suitable for reuse in consumer packaging.

This is the basis of the new NorDiFill®-Eco product line, a packaging film containing up to 80% recycled material. The Nordfolien Norec® process is able to remove additives, waxes, ink and lacquer from PO film waste. This means the NorDiFill®-Eco film has a very high level of quality and is suitable for consumer packaging. NorDiFill®-Eco is an excellent chance to fulfill all kinds of sustainability targets while offering excellent appearance at the POS.

NorDiFill®-Eco fulfills the following requirements:

- Up to 80% recycled material content
- Highly sustainable
- PE based
- Suitable for consumer packaging print and layout (haptic lacquer)
- High mechanical strength
- Odourless & No colouring
- 80% less virgin material resource
- Less CO2 emissions
- Less total energy consumption
- Fulfills standards on recycling material use
- No change in dimensions, thickness and weight
- Fully recyclable
- emptying without residue



ALPLA WERKE ALWIN LEHNER GMBH & CO KG (Austria) **Innovation : World's first recyclable shampoo bottle made of** **"beach plastic"**



While other companies have utilized smaller amounts of material collected from beaches and waterways, this is the first bottle to use 25% resin reclaimed from beaches in a bottle that is also recyclable. Striving for a circular system. In close collaboration, TerraCycle, Suez, ALPLA, and Procter & Gamble have produced the world's first recyclable bottle made from "beach plastic" waste for the shampoo brand "Head & Shoulders". The initiative involves hundreds of NGOs and thousands of volunteers collecting and recycling plastic found on beaches.

Plastic coming from the marine environment is notoriously difficult to re-use due to environmental degradation by elements such as sun (UV radiation) and salt water. Dirt and biological films attach to the plastic in the environment and must be adequately cleaned off the resin during processing.

A significant level of development was required to prepare the collected beach plastic for bottle manufacturing. The packaging offers the same product protection and consumer safety as regular Head & Shoulders bottles in the market; no compromises were made.

The product was launched in France in June 2017. The launch is intended to not only help clean up plastic on beaches but also drive awareness and inspire consumers to play their part in recycling

RPC BRAMLAGE (France)



Innovation : DEFI 3



RPC Bramlage has developed in partnership with Pierre Fabre Dermo Cosmetique a packaging which allows to dispense cosmetic cream without preservative and also to be sustainable by integrating circular economy with PCR.

The innovation resides in the pump which integrates a closing valve in the actuator to shut the opening. This valve will open when we actuate the pump and the product will be dispensed.

When the actuator moves up, the valve will shut the opening.

The performance of the one-way valve has been validated by micro bio tests during several weeks and no bacteria contaminated the inside of the pump or the bottle.

The pump is mainly made of polyolefins (PP and LDPE). It is 100% plastic; and it is 100% recyclable.

The complete system, pump + bottle, have been developed to dispense very viscous cosmetic cream. This will reduce product losses in the bottle.

The Airless bottle allows to integrate PCR material in the external layer of the bottle and between this PCR layer and the formula we have a barrier layer which protects the formula against potential migration from the PCR.

This packaging innovates a lot because it combines safe cosmetic formula with no preservative and sustainability with potential PCR integration for circular economy.

OHLRO HARTSCHAUM GMBH (Germany)



Innovation: O-BOX H250



Our O-BOX H250 provides a new option for the transport of temperature-sensitive goods of any kind, such as pharmaceutical products, food and chemical products.

By skilfully combining different materials, we were able to develop a transport box with which the temperature can be maintained in a range of 2° to 8° C for at least 250 hours.

The box consists of foamable plastics with a positive thermal conductivity coefficient.

Furthermore, all external walls have hollow chambers in which vacuum insulating panels (VIP) are located. This prevents heat exchange with the environment. In addition, latent heat storage units (PCM) ensure that the temperature inside the box remains stable for a long time. The special interior design enabled our prototype to maintain the temperature between 2° and 8° C for over 250 hours according to the ISTA summer profile during a check. Currently, the box has a usable internal volume of approx. 30 litres, wherein additional volume is possible if required.

Another advantage is that the use of foamable plastic significantly reduces the weight of the packaging compared to existing solutions. The

VIPs are protected in such a way that they are not immediately destroyed if the box is handled improperly.

RPC Bender GmbH (Germany)



Innovation : Sportscap Secure Flip 1881



SecureFlip – A new innovative consumer friendly flip-top Sportscap closure for the PCO1881 bottle neck finish.

The new Secure Flip 1881 Sports Closure features intuitive one-hand opening, together with a modern ergonomic and sustainable design.

The cap opens by one-hand to a full and stable 180°, providing easy and comfortable access for the consumer to drink from the closure spout by doing sports or simply “on-the-go”.

The sustainable tamper-evident band within the closure breaks on first opening. The Secure Flip tamper-evident band ring is retained highly visible within the closure, which is a main advantage vs. other sport closure concepts with a detachable tab, which will be thrown away by the consumer and will pollute the environment.

A second tamper-evident band on the base of the closure stays on the bottle after unscrewing and so it can be recycled as other tamper-evident bands of standard beverage closures on non-returnable plastic bottles.

Secure Flip is currently available in 1881 neck finish from RPC Bender Frankenthal and in 29.25 from other RPC facilities. More neck finishes are in development. The new SecureFlip can be fully individualised, to strengthen customer products and brands with unique colours for each of the 3 components of the closure.

BETAPACK (France)



Innovation : BOUCHON SNAP CLIC PELICAN



The **SNAP CLIC PELICAN** cap is a new cap attached to the bottle: it is an **ECORESPONSABLE** cap (less plastic on the cap and less PET on the neck finish of the bottle).

practical: The hood can tilt to more than 180° and when the reclosure is clipped and easily disengages on the front hygienic: it is not likely to fall to the ground, or to get lost in nature

functional: it is easier to open than a screw cap and the hood tilts at the back (click tilt) to clear the neck of the bottle

environmentally friendly: the cap is systematically recycled with the bottle (recyclability of the packaging 100%).

BERNHARDT Packaging & Process (France)



Innovation : STERI-LIQUID POUCH



BERNHARDT's STERI-LIQUID POUCH is the first 5L pouch designed for liquids that require sterilisation. Easy to use and empty with its top and bottom handles, it can withstand a 1.5h autoclave cycle, including 30 minutes at 121.4°C.

Made of PA and medical-grade PP, it aims at replacing jerrycans and as such reducing by a factor of 10 the volume of waste that hospitals have to manage. The applications are wide and range from sterile water to dialysis solutions.

Specific attention was given to the pouch's mechanical resistance (it passes drop tests from a height of 1 meter). Less space for empty jerrycans means more space for things that matter and most of all for patients.

We estimate the net annual gain for the largest hospitals at 135 cubic meters which is equivalent to saving 10 garbage truck rotations per hospital. Across France, Germany and the UK, this is comparable to saving the total annual garbage collection of a city of 100,000 inhabitants.

The STERI-LIQUID POUCH offers a good waste-to-energy potential as its components are studied for clean incineration without residues.

Its foil cannot be considered recyclable yet as the technology for separating plastics layers is not advanced enough.

Olivo & Knauf Industries (France)



Innovation : BOX MAX 64



The BOX MAX 64 is an isothermal solution co-developed by OLIVO and KNAUF INDUSTRIES.

This packaging meets the needs of temperature-controlled transport, especially for food and for the last mile deliveries.

Able to maintain fresh or frozen products thanks to its eutectic solutions at -3°C or -21°C , the BOX MAX 64 this time meets the challenge of bi-temperature. Thanks to a modular EPP partition, a single BOX MAX 64 can simultaneously transport fresh products at $+2^{\circ}\text{C}$ and frozen products at -18°C . The fresh products are stored in the fresh compartment in the same time as the frozen ones in the frozen compartment of the BOX MAX 64.

Its dimensions ($\frac{1}{4}$ pallet Europe), its lightness (2kg empty) and its customization options make it a simple tool, easy to integrate into a logistics scheme.

The BOX MAX 64, easily washable and reusable for several years, is also 100% recyclable. It is made of EPP, including 15% recycled material. It enables city centre deliveries in light, low noise and low pollution vehicles.

It is part of a development approach of the circular economy, pillar of sustainable development.



interseroh
zero waste solutions

How **recyclable** is your **packaging?**

Let your packaging make an important contribution to your sustainability strategy for plastics with Interseroh **Made for Recycling**. Our concentrated expertise offers you a consulting service that helps you to create a more recycling-friendly packaging.

INTERSEROH Dienstleistungs GmbH
web.interseroh.de/madeforrecycling

An ALBA Group company





**Sun Chemical
has developed a range of
innovative packaging solutions
designed to increase shelf life and
reduce food waste.**

Drawing on years of experience in working with brand owners, industry organizations, regulatory bodies and packaging converters, Sun Chemical is a global leader in the innovation of inks, coatings, films and adhesives.

**Download your Brighter Ideas
for Packaging Guides at:**

www.sunchemical.com/brighterideas



working for you.



CELEBRATING
200
YEARS

SunChemical®

a member of the DIC group

DIC
Color & Comfort

- **Visible product stewardship**

The BKV makes a valuable contribution to help the German plastics industry fulfil its product responsibility.

- **Expert platform of the plastics industry**

The BKV provides the industry with the data and fact base to serve as an aid for decision-making and discussion on topics of resource efficiency and plastics recycling.

- **End-of-life topics and plastics recycling**

The particular strength of the BKV is in the field of recycling, above all – but not only – of plastics packaging.

- **Fact-oriented**

The BKV bases its work on a broad network and supplies the results of the projects to interested parties under equal conditions.

BKV. We provide the data and facts.



PackTheFuture

Sustainable Plastic Packaging Award 2018

www.packthefuture.com

The 2018 PackTheFuture Award is sponsored by :



Thanks to our partner :



ELIPSO Contact:

Christophe Morvan / +33 1 46 22 02 27

IK Contact:

Inga Kelkenberg / +49 6172 92 66 30