

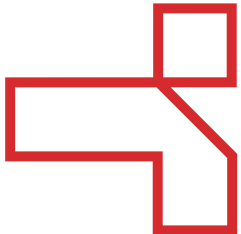
Sustainable Barrier Packaging

Protect your products, profits and planet



**Inhance
Technologies**

The science of better



Erkorse

TM

Your sustainability enabler

The continued reliance on plastic packaging must not come at the expense of our planet.

Every year, the world produces more than 400 million tons of plastics. Of that, it's estimated less than 10% is recycled. The amount of single-use plastics and non-recyclable products—creating excessive pollution during every stage of the manufacturing process—is simply not sustainable.

The world's attitudes toward environmentalism are continuing to shift and it is crucial that plastics shift along with them.

We recognize the part we all can play and are committed to solving these global issues alongside our customers. For years, we have been developing innovative technologies and solutions that drive global change and reduce environmental impact.

With operations in four continents, we are transforming global recyclable barrier packaging in a wide range of industries, from consumer products to healthcare, industrial applications to agriculture.

We don't want to just make things. We want to make things better for the world.

Andrew Thompson

President & CEO, Inhance Technologies

Every year, the world produces more than **400 million tons** of plastics. Of that, it's estimated less than **10%** is recycled.

United Nations Environment Programme (2018). SINGLE-USE PLASTICS: A Roadmap for Sustainability



Reducing our impact



At **Inhance Technologies**, our focus is – and will always be – on using technology as a means to achieve a more sustainable future.

As a global technology transformation partner specializing in plastics and chemicals, we believe in the science of better: innovating safer, environmentally-friendly and more sustainable materials.

Creating more **sustainable packaging** requires a multifaceted strategy to address environmental considerations across the packaging lifecycle.

Our manufacturing processes produce no emissions, no solid waste or water waste.

Enkase barrier packaging technology offers our customers peace of mind that they are not only choosing a better technology, but also committing to making the world a better place in the process.



Barrier packaging and sustainability

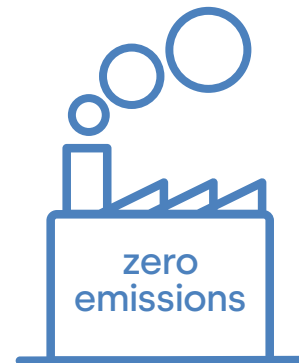
Zero process emissions, zero process waste and zero water to deliver barrier packaging that is fully recyclable.

Barrier packaging is essential to preserve ingredients, increase shelf life and preserve product quality, as well as safeguard health and the environment. However, most barrier packaging solutions are non-recyclable and use significantly greater amounts of energy and fossil fuels in the manufacturing process vs. conventional plastics.

Enkase™ offers a recyclable alternative to typical barrier packaging for liquids, using one of the most environmentally responsible processes available: zero process emissions, zero process waste and zero water to deliver barrier packaging that is fully recyclable.

Enkase enables up to 50% dematerialization compared to alternative barrier packaging technologies. It ensures maximum protection for a wide range of formulations, including those used in products such as health and beauty, flavors and fragrances, active pharmaceutical intermediates (API), and industrial and crop protection chemicals.

With more than four decades of providing award-winning barrier packaging, Inhance Technologies continues to lead the way in more sustainable choices.



A fully recyclable solution

Enkase is fully recyclable barrier packaging.

To ensure packaging is effectively recycled, it must be designed to flow optimally through the recycling system from the outset.

Approved by the **largest recycling associations** around the world, Enkase maintains the recyclability of **HDPE**, making it recyclable in any existing HDPE stream and collection system with no additional set up required. It replaces multilayer plastics, which are virtually non-recyclable and contaminate the recycle stream.

Our more **sustainable manufacturing** works with virgin and recycled HDPE, and even enables multilayer plastics processing equipment to produce packaging with very high recycled content in the interior layers, which can then be converted to high performance barrier packaging.

At the end of the lifecycle, Enkase ensures the produced barrier packaging can be recycled, helping you contribute to **creating a circular economy**.



RecyClass is the recycling platform established by Plastics Recyclers Europe



The best choice for barrier packaging

Third-party Life Cycle Assessments (LCA) of Enkase, multilayer and PET—from raw material extraction through end of life—demonstrates Enkase is the most environmentally friendly barrier packaging.

Enkase has the **lowest environmental footprint** including the least global warming potential of any barrier packaging technology and is recognized as fully recyclable by global plastics recycling organizations.

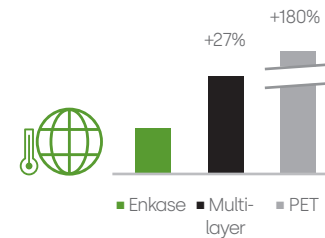
Specifying Enkase aligns with corporate goals on sustainability and is a positive step in meeting consumers' desire for recyclable and environmentally friendly plastic packaging.

We aspire to provide global low environmental impact solutions through innovation. Our technologies give you total economic and environmental peace of mind. We are relentless in our determination to change the world for the better, for the benefit of our stakeholders, our shareholders and planet.

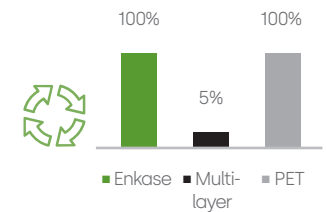
We offer the world more responsible and **sustainable choices**, for good. Forever.

Enkase offers:

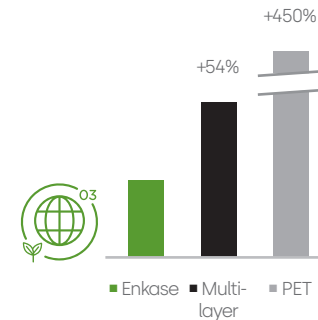
Up to 3x less Global Warming Potential



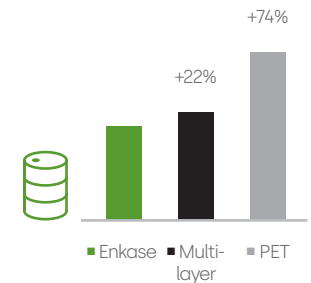
100% Recyclable



Up to 5x less Ozone Depletion



Up to 74% less Fossil Fuel Consumption

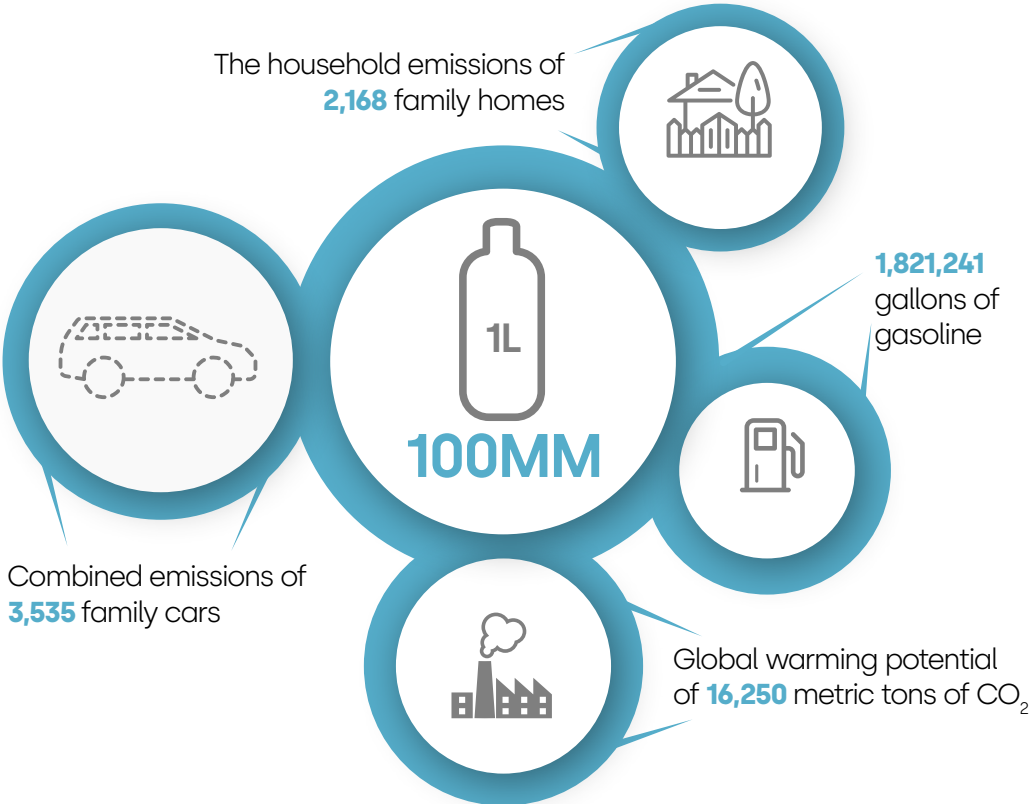


LCA performed by Sustainable Solutions Corporation.



See how Enkase sustainability stacks up

Replacing 100MM 1 liter PET containers with Enkase/HDPE containers will offset:



By simply switching your packaging to Enkase/HDPE, you will offset significant global warming potential and enable the circular economy.

Replacing 500MM 1 gallon multilayer containers with Enkase/HDPE containers will offset:

42,000

metric tons of landfill. Equivalent to the weight of the Titanic.



27% less Global Warming Potential and 22% less Fossil Fuel Consumption





Transform your barrier packaging,
and the world:
enkase@inhancetechnologies.com

inhancetechnologies.com

