

Better for the planet.



Better for business.

Tetra Pak. Sustainability and growth at every level.

Our
Commitment

Renew

Reduce

Recycle

Product
Lifecycle

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Green at heart.

From day one, Tetra Pak has recognized that the environment, people and business are dependent on each other for mutual success. Even back in 1951, our founder, Dr. Ruben Rausing, believed that a package should save more than it costs and be made from minimal materials. Sixty years later, cartons

continue to be one of the most sustainable solutions in the market: they're lighter than glass, cans or jugs, and fit more efficiently in trucks, which saves on transportation costs. This takes vehicles off the road, which means fewer CO2 emissions. Our packages are mostly made from paper, a renewable resource, and don't require refrigeration for transportation or storage. And our filling and processing machines save water, use fewer chemicals and sip energy.

Our commitment to sustainability is reflected in our promise, Protects What's Good. It's a pledge that guides every business decision we make, up and down our value chain. We develop products that make food safer with minimum stress on the environment. We are passionate about quality, cost savings and customer success. And we strive to preserve our planet's resources for future generations. This focus has helped us achieve industry leadership, enabling us and our customers to grow sustainably, together.

Of course, achieving an ideal is an ongoing journey, and we're continually working to increase renewable content in packages, shrink our carbon footprint, reduce the use of resources, move toward green energy and spearhead even more recycling efforts. We're proud of our accomplishments, but we challenge ourselves to aim higher every day.

- In the U.S., the formation of the Carton Council with our competitors has given one in three households in 39 states carton recycling access. Two hundred and fifty recycling facilities now accept cartons, and currently, seven North American mills and nine international mills buy cartons for recycling.
- The newly formed Carton Council of Canada focuses on promoting both recycling technology and local collection programs to divert cartons from landfills. Together with the other founding member companies, Tetra Pak Canada endeavors to increase carton recycling awareness among consumers. Today, 94% of Canadians can recycle cartons through their local recycling programs. The Carton Council of Canada aims to grow the national recycling access rate and the amount of cartons recycled by consumers from coast-to-coast.
- Active participation in the Consumer Goods Forum, which helps companies gauge their packaging and sustainability efforts and set corporate goals.
- Founding member of The Sustainability Consortium, which designs a global harmonized methodology to measure and report the sustainability performance of products and their packaging across the supply chain.
- Partner since 2003 with American Forests to offset our traveling and rental car miles. We've planted more than 80,000 trees that will sequester more than 27,000 tons of CO2 over their lifetime.
- Support for many habitat restoration and beautification projects nationwide, including the Cranesville Swamp Conifer Restoration project (MD).
- Raising local awareness about climate change through initiatives such as Earth Hour "Lights Out" in Denton, TX and Vernon Hills, IL.
- This supports our own efforts to cap carbon emissions globally at 2010 levels by the end of 2020 while continuing to grow. With an estimated 5% compound annual growth rate, achieving this goal would require a 40% relative reduction in CO2 equivalent emissions.
- Founding member of AMERIPEN, the American Institution for Packaging and the Environment, which provides advocacy for a cost-efficient packaging collection and management model in North America.

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Sustainability

is in our DNA.

Our passion for doing what's good also happens to be great for business.

Tetra Pak is dedicated to sustainability on every level. We are focused on meeting today's challenges without compromising the needs of future generations. We pledge ourselves to the responsible use of renewable resources. We continually work to minimize our carbon footprint and promote carton recycling. We communicate openly with our stakeholders and report regularly on our progress. And we globally support socially responsible efforts, including school feeding programs and infrastructure development. In 2008 alone, nearly 50 million schoolchildren worldwide received milk or other nutritious drinks in our packages.

For nearly six decades, we've considered the big picture—the effect of a package throughout its life—to minimize environmental impact. This requires strict attention to raw materials, energy consumption for converting those materials to packaging, processing and filling machines, transportation, product-to-package ratios, convenience and quality for the end consumer, and recycling availability.

Using Lifecycle Analysis, we track the performance of our cartons against competitor products. This shows us where

we can improve, and guides our R&D efforts. Environmental awareness is an intrinsic part of our business, and it is a consideration throughout every step of packaging and equipment development.

The result? The familiar mantra, Reduce, Reuse, Recycle, is evident in every Tetra Pak carton, along with a heightened obligation of Responsibility.

Today there is increasing awareness and pressure from stakeholders across the value chain toward sustainability values and practices. Doing the right thing helps us and our customers stay competitive.

RECOGNIZED FOR SUSTAINABILITY

The Presidential Award for Sustainable Development, USA, 1996

Our aseptic package is the only package to receive this prestigious environmental award, given by former Vice President Al Gore.

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Renew.

Renewability is at the heart of sustainability.

We envision a world where all of our cartons are made with 100% renewable resources. Our cartons are made primarily from a renewable resource: paper. On average, 70% of a Tetra Pak carton is paper,* which comes from responsibly sourced, growing forests.

*Measured as the percentage of paperboard in the raw materials Tetra Pak purchases for all packaging systems it manufactures, including straws and openings.

In growing forests, new trees replace the ones that are harvested.

Trees absorb harmful CO2 from the air and give whole ecosystems of plants and animals a place to live. Responsibly sourced, growing forests provide wood and fiber for commercial purposes while supporting our planet's ecology and climate. None of the fiber in Tetra Pak packages comes from rainforests, old-growth wood, illegally harvested wood or high conservation forests.

Renewability is our responsibility, both as environmental stewards and as businesspeople. To ensure that our suppliers follow sound forest management practices, we take an active approach to sourcing. We work closely with suppliers, NGOs and other stakeholders to confirm that our wood fiber sources are traceable from tree to carton package and come from legal sources.

Renewable materials have always been our preferred choice. Using paper from growing forests as the predominant material for our packages makes the most ecological sense, because these forests will be available for generations to come. As a company, we are committed to renewability, and look for alternatives to increase the measure of renewable resources in our packages.

Our forestry program is independently audited by ProForest to protect our high standards. On a global level, we have established programs to promote responsible forest management with a number of leading non-profit environmental organizations such as WWF/Global Trade and Forest Network.

We believe in collaboration and participate in a number of industry forums to ensure that the benefits of renewables are recognized. In the Consumer Goods Forum, together with the various players in the supply chain, we have developed metrics and indicators to measure the sustainability performance of packaging which customers and retailers may use to assess their suppliers and packaging systems.

GLOBAL COLLABORATIONS

United Nations Environment Programme (UNEP)

Consumer Goods Forum (CGF)

World Wildlife Fund (WWF)

Forest Stewardship Council (FSC)

Global Forest and Trade Network (GFTN)

High Conservation Value Resource Network (HCVRN)

ProForest

The Sustainability Consortium

LOCAL COLLABORATIONS

The Carton Council—U.S. and Canada

Sustainable Forestry Initiative (SFI)

World Wildlife Fund (WWF)



Reduce.

Tetra Pak is devoted to minimizing our environmental mark and the impact of our packaging as a whole.

We work to ensure that we save as many resources as possible, look for potential energy savings in every phase of our operations, and design our processing and packaging equipment to use minimal energy, water and cleaning chemicals.

All of Tetra Pak's plants are ISO 14001 certified. Which means there is a certified Environmental Management System in place to continuously improve environmental performance. Our facilities are independently audited every six months to ensure that we maintain the highest environmental standards.

Our efforts are paying off. We surpassed our global 2010 absolute carbon emissions goal, exceeding our 10% reduction target. Instead, we achieved an 11% decrease against a 2005 baseline, while sales grew by 23.1%, equaling a relative reduction of 30%.

Clearly, environmental performance is an intrinsic part of our business strategy and operations. Setting and meeting these ambitious targets helps us strengthen competitiveness, both for our company and our customers.

Our cartons are lightweight and use fewer resources than most traditional packaging. In fact, items packaged in Tetra Pak cartons are made of only 7% packaging on average (7% for Tetra Prisma Aseptic, 4% for Tetra Brik Aseptic). As a result, the carbon footprint of a Tetra Pak carton ranks quite low. Translation: Fewer trucks are needed to deliver the same amount of product, resulting in fewer greenhouse gas emissions.

Can we entice you with more numbers?

For our retort carton, Tetra Recart, greenhouse gas emissions are significantly lower than equivalent steel cans: 21,164 lbs. versus 66,686 lbs. of CO2 per 100,000 lbs.*

Going further, Tetra Recart also uses 71.3% less packaging by weight than products packaged in equivalent steel cans, and creates 22.1% less post-consumer solid waste for the U.S. (58% less in Canada). Likewise, Tetra Prisma shrinkwrapped 3-packs use 51% less packaging by weight than equivalent shrinkwrapped PET bottles.**

And you'll raise your glass to these figures. Tetra Pak wine cartons are produced using 60-65% less energy than glass bottles, creating 70% less greenhouse gases and 53% less waste than glass. And since they're lighter than glass, our cartons require 35-40% fewer trucks to deliver the same amount of wine.†

*Source: Lifecycle of Container Systems for Tomatoes (Franklin Associates, a division of ERG, 2006)

**Source: Environmental Packaging International, 2010

†Source: Lifecycle of Container Systems for Wine (Franklin Associates, a division of ERG, 2006)

THE TETRA PAK A3 FILLING LINE

The first in the world to receive an Environmental Product Declaration (EPD)[®] certification

Consumes 11% less energy

Produces 30% less waste

Uses 70% less water and 80% less cleaning agents

* All figures versus the previous TBA/21 filling line.



Recycle.

Tetra Pak is committed to being a world leader in sustainable recycling, promoting and encouraging more effective, widespread recycling programs in the U.S., Canada and across the globe. Every step we take helps us move closer to our goal—a world where every Tetra Pak carton will be recycled.

Cartons are recyclable and are considered a valuable industry commodity with multiple end markets. We joined our competitors to form the Carton Council of North America to promote recycling technology and local collection programs. To learn more, and view the growing list of communities that currently accept cartons in their recycling programs, visit www.recyclecartons.com or www.recyclecartons.ca.

Our efforts are already inspiring change. More than 30% of the U.S. population now has access to curbside carton recycling. We've also added 15 new carton sorting centers nationwide, and seven new domestic paper mills that recycle carton fibers in 2010.

In 2011, the Carton Council's goal is to increase carton recycling access even further, to reach 35% of total U.S. households while adding 20-40 sorting center locations and installing 10-20 optical sorters to facilitate carton sorting.

Through an innovative effort with the city of Denton, Texas, our local plant helped its namesake city become the first in the state to accept gable top and aseptic cartons in their recycling program.

Canada is on board, too. A recent survey revealed gaps in knowledge and habits about package recycling. The key findings from the survey showed that nearly three quarters of Canadians (74%) make an effort to ensure they are knowledgeable on what can be recycled yet only 15% of Canadians look to see if a product is recyclable before purchase. As well, most Canadians (87%) know cartons can be recycled. Tetra Pak Canada, along with the Carton Council of Canada, hopes to address these gaps. Participating carton manufacturers are

proud that their products have the lowest environmental impact in the packaging industry, and they seek to reduce their impact even further across the provinces by continuously improving their recycling performance.

The Carton Council of Canada provides a platform for Canadian carton manufacturers to benchmark and profile cartons as renewable, recyclable and low-carbon packaging solutions. Engaging with stakeholders and partners seeking high environmental stewardship, it contributes expertise to environmental policy and legislation.

2010 marked the launch of a cutting-edge recycling line in Québec by Groupe RCM. The first facility of its kind in the world, it breaks down cartons, plastic bags and films into a thermoplastic resin that can be used in industrial and commercial product manufacturing. Spearheaded by Tetra Pak as part of its larger, aggressive national recycling plan, the Groupe RCM launch was the end result of a three-year development project. Together with its corporate and governmental partners, A. Lassonde Inc., Natrel and Recyc-Québec, Tetra Pak helped provide \$1 million (CDN) in seed capital for the \$3.5 million (CDN) recycling initiative.

CARTON RECYCLING IN NORTH AMERICA

One in three U.S. households can already recycle Tetra Pak cartons through their curbside recycling program.

Hundreds of U.S. cities already offer carton recycling, including New York, Chicago, Boston, San Jose, Oakland, Seattle, Portland, Miami, and most recently Los Angeles.

39 states currently have recycling programs that accept cartons.

94% of Canadians have access to carton recycling.

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A package should save

more than it costs.



Tetra Pak lifecycle's holistic approach.

Tetra Pak's founder, Dr. Ruben Rausing, applied this belief to the economics and the environmental performance of our packaging systems. Safe and efficient distribution and processing of food products is the cornerstone of our business. We work closely with suppliers and customers to develop products that are healthy, safe and meet the demands of consumer convenience and environmental protection. This means tackling environmental impact wherever it occurs over our products' lifecycle, in a way that is consistent with our business objectives and our broader responsibilities to society.

Legislative measures to address the environmental impact of packaging have traditionally focused on the end-of-life phase. This is no longer enough. Policy makers and businesses now face a new challenge: preventing the environmental impact of waste at every phase of a product's lifecycle.

At Tetra Pak, we have long adopted a holistic approach to environmental responsibility: from design, purchasing of materials, manufacturing, transport, filling and consumption, to the end-of-life of our packages.

In practice, this means:

Using renewable resources as the main material input

Minimizing resource use while optimizing product performance

Minimizing emissions in our operations, particularly CO2

Reducing the environmental impact of transport

Providing state-of-the-art equipment to our customers

Recycling to help mitigate climate change, reduce waste and save resources

SURPASSING OUR INITIAL GOAL

Tetra Pak has been a World Wildlife Fund Climate Saver partner since February 2006. As part of this commitment to carbon footprint reduction, Tetra Pak set a goal to reduce our CO2 emissions 10% by 2010. By year's end, we had already reduced emissions by 12%.



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The lifecycle of a carton.



Raw materials



Paperboard



Converting

We favor renewable materials and our cartons are made mainly from wood fibers. Renewables have low CO2 impact. They are 70-75% of the weight but only amount to 20% of the CO2 footprint.

We have in place tracing systems with our suppliers to ensure the wood fiber we use is sourced responsibly. We use the highest certification standard available to us in the market.

Our packaging material plants are certified to ISO 14001 standards and are systematically decreasing CO2 emissions.



Milk and Juice

Our processing and packaging solutions are predominantly used to preserve the nutritional value and quality of milk and juice products, and other liquid food.



Processing

Our systems are continuously being developed to deliver lower environmental impact and higher performance, making our customers' production as efficient as possible.

THE TETRA LACTENSO

Setting new performance standards for UHT milk processing solutions

Reduces product losses by 40% compared to current industry standards

Uses less water and energy (up to 75% less in standby mode)

Cuts chemical use by up to 20%



Filling

We continually work to improve the environmental performance of our filling equipment.



Distribution

Lightweight cartons drive efficient distribution, which leads to low environmental impact.



Retail and Consumers

Tetra Pak packages are designed to meet retailer needs and consumer demand for convenience, while protecting the food inside. Cartons are space-efficient on the shelf and deliver quality and convenience.



Recovery

Tetra Pak promotes and encourages effective, widespread recycling programs in the U.S. and Canada, and across the globe.



Recycled Carton Packages

When recycled, carton packages are turned into tissue products and other types of materials.



Advanced Technology

Groupe RCM in Québec, Canada launched an innovative line that breaks down cartons, along with other plastics and films, into resin for flower pots, railway ties and more.

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Sustainable for life.



Working toward our goal of being an environmentally active company, our Denton, Texas factory recently invested in several major energy-reduction improvements. We installed a new highly reflective roofing system, which will improve insulation and cut energy-related losses by 50%. Environmentally friendly and recyclable, this technology will also extend roof life to more than 20 years.

Nearby, we installed new windows in our offices. They reflect 62% solar heat, and will also prevent interior heat loss during the winter months. This installation alone will cut energy-related losses by 33%.

Our canteen received an eco-makeover, too. GreenGuard designated products were used for remodeling, including laminate material for interior/exterior counters, stone tops and wall paint. Floor tiles were made with natural minerals and require

no sealants or waxes that could release volatile organic compounds (VOCs). Where stone countertops were used, they are GreenGuard certified, NSF rated and have a lower carbon footprint than imported engineered stones.

These initiatives highlight Tetra Pak's continued commitment to reduce our impact on the environment, and ensure our facilities and working surroundings are current, well-maintained and efficient.

SUSTAINABILITY STARTS AT HOME

Our North American headquarters was built and now runs with the health of the environment in mind

Built with recycled and green components

Debris recycled during construction

Energy-efficient design

Winner of SWALCO 4R Award for Reuse, Keep Chicago Beautiful Environmental Leadership Award, Design Excellence Award and Distinguished Building Award

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www.tetrapakusa.com
www.tetrapak.ca

 Printed on 80% recycled beverage carton.

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