



EMPOWERING ALL TOWARD
INCLUSIVE GROWTH

Packaging Commitment and Associated Programs

2026



Packaging Commitments and Strategy

Packaging Strategy and Packaging Commitment

Our Commitments



OR believes that sustainable packaging is an important aspect of the business. As a result, we continuously develop our group-wide products and services to be more sustainable and environmentally friendly. In 2025, OR continues to monitor and collect data on packaging within our business, collaborating with our business partners and suppliers to achieve our goals of reducing unnecessary packaging, reusing where possible, and striving for greater recyclability and recycled content. Environmental considerations are at the core of our strategy development.

To achieve our goals, we have studied the packaging usage profiles of our business operations. The results show that plastic packaging has the highest proportion among all packaging materials used. Consequently, OR has set measurable goal to reduce packaging waste as a group-wide target and being the part of OR's Healthy Environment goal of reducing the amount of waste from business operations one-third. Additionally, OR is in the process of expanding this commitment to include other business activities, ensuring a comprehensive approach to reducing our environmental impact across all sectors of our organization.

Our group-wide target and time-bound

We set our group-wide target which is the Healthy Environment aiming to creating a sustainable environment by reducing conventional energy consumption, reducing greenhouse gas emissions, and decreasing waste generated from business operations by more than one-third by 2030. The target covers reduction of waste from business operations includes Packaging Waste and Operational Waste. Moreover, we set 3R waste strategy consisting of Reduce, Refine, and Reborn to drive the waste management achieving the Healthy Environment.



OR's packaging usage profiles

Packaging Strategy and Packaging Commitment

Our Strategy



OR conducts its business by adopting the principles and concepts of **Circular Economy**, which is the key to achieving the Sustainable Development Goals. OR integrates and applies the concept to all OR establishments to focus on resource management for the most value and reduce the use of new resources from the design process to extending the shelf life of the packaging, changing consumer behavior, reducing waste caused by the production process, as well as waste disposal after the end of its service life.

The strategy begins with identifying the potential wastes that may be produced in each business. This is to study the possibility of maximizing the benefit of waste use. Every business involved in generating such waste must establish a project implementation plan, outlining the type of waste, methods for waste reduction, and the expected reduction amount based on the specified methods and time frame.

OR has integrated the principles of the Circular Economy across all its establishments, allowing each business to adapt and apply them according to its specific operations. This is achieved through the 3R Waste Strategy, which drives the commitment to effective waste management, including:



- 1) Reduce** (New Resource Extraction): Reduce the dependence on natural resources through;
- Designing to minimize raw material usage
 - Using raw materials with recycled materials
 - Using biodegradable materials to promote sustainable use of natural resources



- 2) Refine** (Process and Product to Minimize Waste):
- Improving efficiency of production processes to reduce waste
 - Designing for 100% recyclability, such as single-layer packaging



- 3) Reborn** (Waste to Value):
- Enhancing the efficiency of waste collection from business operations
 - Expanding efforts to transform business waste into value through the Circular Economy concept

Packaging Strategy and Packaging Commitment



Our Program

plastic packaging has the highest proportion among all packaging materials used. Café Amazon's business potentially uses and generates a significant amount of plastic packaging waste compared to other businesses. Therefore, the strategy for packaging waste reduction is initially focused on Café Amazon for plastic packaging management.

One example of Café Amazon's key initiatives to reduce plastic waste at its source is the “Cafe Amazon for Earth”, which encourages customers to bring their own reusable cups in exchange for a THB 5 discount. By promoting reusable packaging and reducing reliance on single-use plastics, the program supports waste prevention and resource efficiency while demonstrating the application of Circular Economy (CE) principles in business operations.

In addition, plastic packaging management are also included:

- **Café Amazon Recyclable Packaging** to increase the use of recyclable packaging
- **Café Amazon Eco-Friendly Packaging** to promote the use of eco-friendly packaging across all branches, such as paper cups coated with bio-based PBS plastic for hot drinks (Amazon Bio Cup), 100% biodegradable straws, paper bags replacing plastic bags, and the introduction of cups made from recycled PET (rPET) to reduce plastic waste.

Through this end, the amount of plastic packaging at Café Amazon can be minimized and be more sustainable. This is in line with our roadmap on Responsible Consumption & Production to accelerate the production and consumption that take into account the entire value cycle from the beginning of the production process to waste management after consumption, by reducing the amount of waste from the business operations 1/3 by 2030.



Overall Packaging Strategy and Associated Programs



Packaging Strategy		Associated Programs
“Environmental issue and risk factors related to unsustainable packaging practices are the factors we uses to develop our strategy on packaging waste management.” This strategy is deployed to each OR operation businesses for implementation.	Programs to increase the use of reusable packaging.	Café Amazon For Earth, Reuse LPG Cylinder
	Programs to increase the use of eco-friendly materials.	Café Amazon Go Green (Café Amazon store and Café Amazon concept store)
	Programs to increase the use of recyclable packaging.	Wood Plastic Composite Furniture Upcycling of Lubricant Packaging
	Programs to phase out single-use plastic packaging.	Café Amazon Eco-Friendly Packaging (Paper Bags)
	Programs to increase the use of recycled material as packaging solutions.	Recyclable Containers for Pail/Gallon Lubricants, Recycled Corrugated Box Café Amazon Eco-Friendly Packaging (r-PET cups)
	Programs to ensure that recyclable packaging is actually recycled.	Yak Lak Yim Yak Lak Yim x GC YOUTURN Yak Lak Turn x No Mixed Waste
	Allocation of R&D resources to sustainable packaging and alternative solutions.	Café Amazon Eco-Friendly Packaging



Associated Programs

Programs to Increase the Use of Reusable Packaging

“Café Amazon For Earth”



Project Objectives

- To reduce waste from packaging generated by the sales of 'Café Amazon' store
- To increase the use of reusable packaging

Project Methodology

Promote consumer to bring reusable cups and receive a 5 Baht discount on beverage purchases at Café Amazon

Project Benefits

- To increase the use of reusable packaging at Café Amazon and to reduce the amount of packaging waste that would be disposed to landfill after consumer use

Amount of packaging reduction

- The number of glasses that can be reduced from 2025 is **637 tons (30.70 million cups)** which represents **153.54 million baht discount** to customers.

Programs to Increase the Use of Reusable Packaging

“LPG Cylinder Refurbishing”



The program 'Reuse LPG cylinder' is designed to reduce volume natural resources (iron) usage. Once the cylinders are moved back to the filling plant, they would be screened and repaired following to the TIS standard condition before distributing. The program is ensured that the natural resources (iron) would be used optimally for cylinders production.

Project Objectives

- Circulating used LPG cylinders back to the market by screening and maintenance.
- Minimizing iron extraction from the natural resources.
- Saving investment cost from new LPG cylinders

Project Methodology

To circulate used LPG cylinders effectively, the steps of our maintenance process are as follows;

1. Screening and categorizing each cylinder base on their current condition such as Hot work cylinder, Hydrostatic cylinder, Expansion test cylinder, and damaged cylinder.
2. Vacuum remaining LPG
3. Unscrewing and checking valve condition and testing leak process
4. Clean the inside of the cylinders
5. The cylinders that have been used for 5 years would be hydrostatic tested
6. The cylinders that have been used for 10 years and Hot Work cylinders would be expansion tested
7. Coating cylinder and assembling valve
8. Rechecking overall cylinders condition

Currently, there **are 5 warehouses supporting cylinders maintenance** as follows;

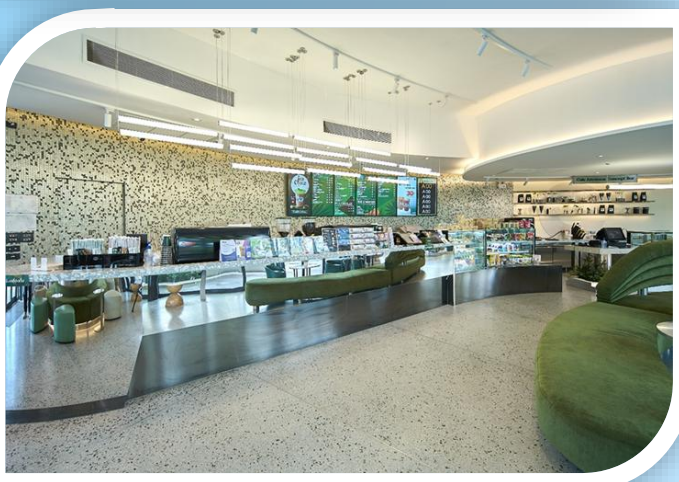
1. OR petroleum warehouse in Chonburi (Ban Rong Po), and Lampang
2. OR LPG Maintenance warehouse in Songkla, Khon Kaen, and Ayutthaya

Project Benefits

- Reducing cost for new LPG cylinders **2,8000,000 cylinders per year**

Programs to Increase the Use of Eco-friendly Materials

“Café Amazon Go Green” (Café Amazon store and Café Amazon concept store)



Café Amazon Go Green embraces eco-friendly design and decoration by using environmentally friendly materials and furniture.

- All Café Amazon Store use environmentally friendly decorative materials and furniture according to BCG (Bio Circular Green) as part of their décor to make every store a Circular Economy Store.
- Café Amazon Concept Store is designed using sustainable materials. The store prioritizes materials that have minimal environmental impact during production and can be reused or transformed into functional materials again. Additionally, the use of materials that are easy to maintain and free from toxic substances is emphasized. Sustainable plantation wood and recycled materials are incorporated, such as Terrazzo flooring made from glass bottle fragments, mosaic walls from natural material scraps, recycled cement plant pots, sofa upholstery from PET bottles, decorative “C” materials from Plasscoff, and stainless steel for the counter area.

Project Objectives

- To minimize environmental impact by using environmentally friendly materials and furniture

Project Methodology

- Decorative materials and furniture are made by using environmentally friendly material according to BCG (Bio Circular Green)

Project Benefits

- The income from environmentally friendly furniture sold to Café Amazon franchisee.

Programs to Increase the Use of Recyclable Packaging

“Wood Plastic Composite Furniture”



"Wood Plastic Composite Furniture for FIT Auto" project involves using discarded lubricant oil cans from FIT Auto to manufacture furniture products as an alternative wood for interior decoration within FIT Auto. This project follows the principles of the Circular Economy by utilizing waste materials as raw materials for other products.

Project Benefits of "Wood Plastic Composite Furniture for FIT Auto"

- In 2025, There are **3 branches** of FIT Auto that decoration with wood plastic composite furniture by using **1.86 tons** of rHDPE plastic materials.
- FIT Auto collects used lubricant packaging from all branches nationwide, totaling **73.47 tons**, which are then processed and recycled into PCR (Post-Consumer Recycled) rHDPE plastic materials.

“Upcycling of Lubricant Packaging”

"Save the World, Save the Car for Future Generations"



PTT Lubricant promotes sustainable practices by encouraging customers to return the used lubricant packaging, such as pails and gallons, to FIT Auto for proper recycling.

This extension enables a greater degree of value creation from the used lubricant oil packaging (Pail and Gallon), enhancing its circular use or recyclable packaging within the organization.

Project Benefits of “Upcycling of Lubricant Packaging” (Save the World, Save the Car for Future Generations)

100 tables made from used lubricant packaging (Gallon) and agricultural waste were donated for student desks to 5 schools. This initiative used a total of **1.2 tons** of recycled plastic.

Programs to Phase Out Single-use Plastic Packaging

Café Amazon Eco-Friendly Packaging (Paper Bags)



Programs to Phase Out Single-use Plastic Packaging

Café Amazon promotes the use of paper bags as an alternative to single-use plastic bags in its customer service operations. This initiative aims to reduce plastic waste and minimize environmental impacts while raising customer awareness of responsible consumption practices. It forms part of the company's efforts to promote environmentally friendly packaging and support long-term sustainable development.

Project Objectives

- Promote the reduction of single-use plastics by using paper bags for Café Amazon Stores
- Create knowledge, understanding, and campaigns for entrepreneurs and consumers to reduce the amount of waste at the source, support environmentally friendly production, services, and consumption as a result reduce greenhouse gas emissions

Project Benefits

In 2025, Café Amazon reduced the use of single-use plastics by using paper bags **903.72 tons**

Programs to Increase the Use of Recycled Material as Packaging Solutions

“Recyclable Containers for Pail/Gallon Lubricants”



Pail/Gallon Lubricants



Pail



Gallon



Programs to Increase the Use of Recycled Material as Packaging Solutions

Lubricants Business has strongly direction switching to more environmentally-friendly option, we collaborates with packaging suppliers who proceed according to “the OR Suppliers Sustainable Code of Conduct”, continually design and develop lubricants packaging to reduce the environmental impact together with quality standards. Our program includes increasing use of recycled plastic in lubricant pails and gallons as packaging solutions.

Project Objectives

- Reducing raw material extraction from natural resources by using recycled plastics packaging and reducing weight of packaging as following;
 - **Gallon:** Reduced new HDPE by reducing weight of all gallon 3-12% and using recycle material 8-15%
 - **Pail:** Reduced new HDPE using recycle material approximately 30%

Project Methodology

- **Gallon:** Study to reduce gallon's weight at the design package process and use recycle material
- **Pail:** Using recycled material ratio to 30%

Project Benefits

- Promote circularity by selecting recycled plastics packaging, allows the material to be fed into new production as secondary raw material.
- **Gallon:** Reducing new HDPE by reducing weight of all gallon and reducing new HDPE by using recycle material around **606.71 tons**
- **Pail:** Reducing new HDPE **360.71 tons**
- **Total** reducing new HDPE **967.42 tons**

Programs to Increase the Use of Recycled Material as Packaging Solutions

“Recycled Corrugated Box”



Corrugated Box



Lubricants Business has strongly direction switching to more environmentally-friendly option, we collaborates with packaging suppliers who proceed according to “the OR Suppliers Sustainable Code of Conduct”, continually design and develop lubricants packaging to reduce the environmental impact together with quality standards. Our program includes increasing use of recycled pulp for all lube corrugated boxes as packaging solutions.

Project Objectives

- Reducing raw material extraction from natural resources by increasing use of recycled pulp for all lube corrugated box approximately 85-100%

Project Methodology

- Study to change all layers of Inner paper and corrugate paper to be recycle pulp that still maintain the quality of carton box.

Project Benefits

- Reducing raw material for producing corrugated boxes approximately **1,734.87 tons**

Programs to Increase the Use of Recycled Material as Packaging Solutions

“Café Amazon Eco-Friendly Packaging (r-PET cups)”



Programs to Increase the Use of Recycled Material as Packaging Solutions

Café Amazon's cold beverage cups, which contain a portion of recycled plastic made from rPET (Recycled Polyethylene Terephthalate) derived from post-consumer plastic waste, have been initially introduced. By reusing this material to produce new packaging, the initiative not only helps reduce waste but also conserves natural resources in line with the principles of the circular economy

Project Objectives

- Reducing the use of virgin materials by adopting recycled plastic packaging

Project Methodology

- **Café Amazon (rPET) Cup:** Made with 30% recycled rPET material

Project Benefits

- Enhance circularity by using recycled plastic packaging to reduce waste and conserve resources
- In 2025, Reducing new PET by using recycle material around **8.5 tons.**

Programs to Ensure that Recyclable Packaging is Actually Recycled

“Yak Lak Yim”



The “Yak Lak Yim” Project, with the purpose of campaigning for proper waste separation in PTT Stations and creating benefits for society, takes recycled waste and turns them into scholarships, consumer tools, and public utilities in various communities. The project has been implemented continuously since 2016. At present, **over 2,200 PTT Station** branches support waste separation initiatives through the “Yak Lak Yim” project, encouraging customers to separate recyclable waste from general waste while using PTT Station services. This initiative helps increase recycling efforts and reduces the amount of waste sent to landfills.

External Collaboration Projects

Yak Lak Yim x GC YOUTURN

OR has integrated business cooperation and sustainable development with external parties by using OR's potential to build strength and continue creating business value added. In 2023, OR and GC (PTT Global Chemical Public Company Limited) signed an MOU covering cooperation in 4 areas, including the development of knowledge in sustainability, creating energy security, sustainable business operations throughout the value chain, and business development because OR believes in the concepts of “Creating Opportunities” and “Empowering All towards Inclusive Growth”. Therefore, creating networks with external parties will strengthen sustainable business operations. Examples of projects related to the circular economy created in collaboration with GC include a scope expansion for waste management and creating closed-loop recycling. The recyclable packaging such as plastic bottles, paper, glass bottles, aluminum cans, etc., was collected through GC's Project named "You Turn Platform" and the "Yak Lak Yim" project by OR's PTT Station. There is also the "Yak Lak Turn" campaign, where customers can bring plastic that they have 'sorted' to 'exchange' for rewards at PTT Station. The plastic packaging will be collected and sent for upcycling by the recycle company such as ENVICCO to ensure that Recyclable Packaging is Actually Recycled. In 2025, a total of **179 PTT Stations** participated in the project, successfully channeling **85 tons** of waste into recycling processes, generating a value of over **0.55 million baht**.

Yak Lak Turn x No Mixed Waste

In addition, OR, in collaboration with the [Bangkok Metropolitan Administration](#), [GC](#) and [Wastebuy Delivery](#). Implemented the “Yak Lak Turn x No Mixed Waste” project by establishing collection points for eight types of recyclable waste. PTT Station participated by opening recyclable material collection points **at 10 stations** across Bangkok. Collected recyclables can be exchanged for cash that can be used directly for fuel purchases, and participants can also accumulate points at a rate of 1 kilogram = 1 point to redeem premiums or donate to the Miracle Hands Foundation for further public-benefit activities. In addition, project participants receive a reduction in the Bangkok Metropolitan Administration's waste collection fee to 20 Thai Baht per month.

For post-consumer plastics, including both clear PET bottles and opaque HDPE bottles, GC's YOU Turn Project processes the materials through high-standard recycling and upcycling under the circular economy concept to produce PCR plastic pellets and upcycled products. This enables plastics to be turned back into resources that create new value once again.



Programs to Ensure that Recyclable Packaging is Actually Recycled

“Cup Return Project”



The “Cup Return” Project. As part of its plastic packaging management initiatives, Café Amazon operates the "Cup Return" Project, which ensures that recyclable packaging is actually recycled by encouraging customers to return used PET beverage cups at participating stores.

The project utilizes AI technology to count the returned PET cups. Customers who return PET cups receive reward points that can be redeemed for beverage discounts or other promotional rewards. By establishing an end-to-end collection and recycling system, the initiative helps divert recyclable plastic packaging from landfill, promotes consumer participation in responsible waste management, and supports the transition toward a circular economy.

Project Objectives

- Supporting the circular economy and encourage consumer awareness.
- To ensure that recyclable packaging is actually recycled.

Project Benefits

In 2025, the project collected 31.3 tons of used PET cups, which were delivered to a plastic recycling plant for upcycling.

Allocation of R&D Resources to Sustainable Packaging and Alternative Solutions

“Café Amazon Eco-Friendly Packaging”



OR has a collaboration with PTT Group and business partners by developing and promoting on sustainable packaging and exploring alternative solutions, Café Amazon has successfully transitioned to biodegradable packaging materials while ensuring the packaging quality remains uncompromised. Moreover, In 2023 OR has strengthen on packaging development through signing the memorandum of understanding (MOU) with PTT Global Chemical (GC) which work together on research and development of sustainable business operations throughout the value chain and sustainable packaging made from bioplastics, recycled plastic and alternative/substitute materials that meets consumer needs.

Currently, most of waste is disposed of through to landfill. Changing Cafe Amazon's packaging into biodegradable packaging would help reduce waste from plastics that are difficult to decompose.

In addition, Café Amazon Go Green embraces eco-friendly by reducing plastic usage and substituting with environmentally friendly material that is biodegradable or can be naturally decomposed for instance hot cups, bio bags and straws made from BIO Plastic, at all Cafe Amazon Store.

Project Objectives

To maximize the benefit from using natural resources and create sustainable use of natural resources while preserving the environment, consistent with business operations according to BCG (Bio-Circular-Green Economy) Model

Project Methodology

- **Biodegradable Packaging:** Café Amazon switched to using biodegradable materials for packaging. This change allowed the packaging to naturally decompose over time, reducing its environmental impact.

Project Benefits

In 2025, Café Amazon reduced the amount of plastic waste generated from packaging by using bio-materials **1,655.7 tons** in total through our intention use sustainable packaging:

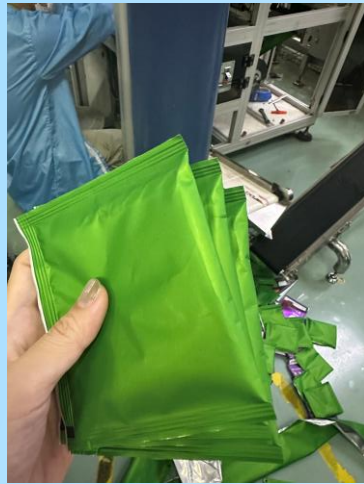
Bio cup (Hot Drink)= **250.1 tons**

Bio Straw = **311.6 tons**

Bio Bag = **1,094 tons**

Allocation of R&D Resources to Sustainable Packaging and Alternative Solutions

“Café Amazon Mono-Materials Packaging”



OR is committed to developing environmentally friendly packaging by embracing the principles of the circular economy and minimizing environmental impacts throughout the product life cycle.

In 2025, OR initiated a feasibility study on the use of mono-material packaging made from Machine Direction Oriented Polyethylene (MDOPE) for Café Amazon coffee bean pouches and drip coffee sachets. This initiative is part of a plan to enhance the recyclability of its packaging and reduce the use of multi-material structures that are difficult to sort and recycle.

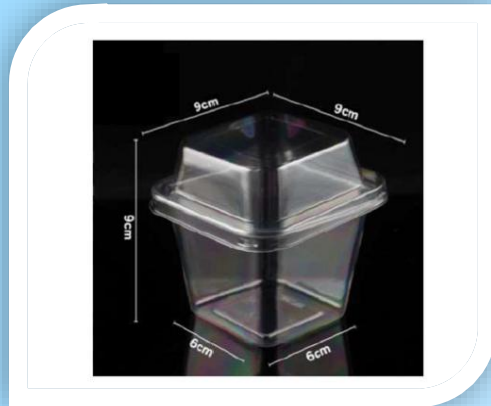
To support this initiative, OR signed a collaboration agreement with PRISM GC and Print Master to jointly study, design, and evaluate the performance of MDOPE mono-material packaging. The collaboration aims to ensure that the new packaging meets requirements for product quality, food safety, coffee preservation, manufacturing efficiency, and transportation performance.

The study includes assessments of the packaging's resistant properties against moisture, oxygen, and light, as well as mechanical strength and compatibility with existing production processes. These evaluations are intended to ensure that the alternative packaging can maintain product quality throughout its life cycle while improving its recyclability compared with conventional multi-material packaging.

Preliminary findings demonstrate the potential of mono-material packaging to support OR's sustainability targets by reducing packaging waste, promoting efficient resource utilization, and preparing the company to meet future packaging management trends aligned with circular economy principles.

Allocation of R&D Resources to Sustainable Packaging and Alternative Solutions

“rPET plastic material Packaging for Bakery Production facility”



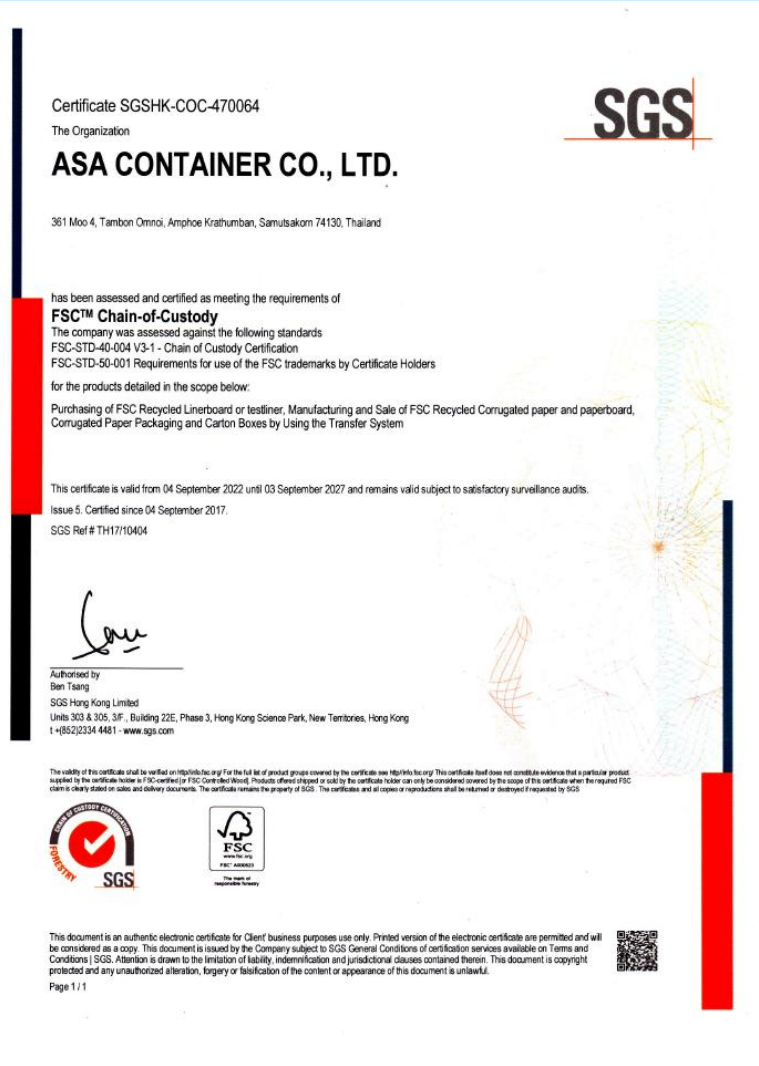
OR is conducting a study on the application of recycled polyethylene terephthalate (rPET) in packaging used by its bakery production facility. The study covers several packaging formats, including plastic trays for sliced cakes, plastic trays for Danish pastries, and rectangular plastic containers with lids.

The initiative aims to increase the use of recycled plastic in packaging while supporting circular economy principles and reducing the consumption of virgin plastic materials.

The project is currently in the feasibility assessment stage, focusing on price structure analysis, economic viability, and determining the optimal recycled plastic content for practical application.



Wood/Paper fiber packaging materials used that is certified.



OR holds FSC Chain of Custody certification, which provides assurance that recycled paper fiber materials used in the company's packaging products originate from responsibly sourced and traceable supply chains. The certification supports the mitigation of negative environmental and social impacts associated with raw material sourcing and ensures compliance with recognized minimum environmental and social standards.



**EMPOWERING ALL TOWARD
INCLUSIVE GROWTH**

OR เติมเต็มโอกาส เพื่อทุกการเติบโต ร่วมกัน

*Harnessing OR
competencies to support,
fulfill, and elevate*

*Sustainable growth
with Living Community,
Healthy Environment, and
Economic Prosperity*

*Moving forward with
strong determination and
leaving no one behind*

*6 groups of
OR stakeholders*