

Rental**to**

Rental-to

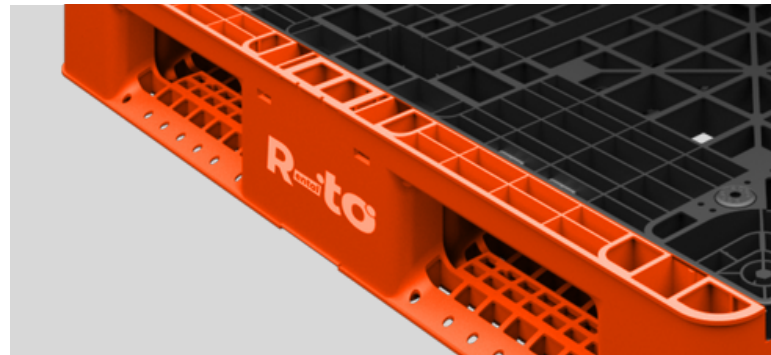
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OVERVIEW

Including S.Korea, most countries are currently using single-use pallets whenever they import and export. Trading companies need to pay for the purchasing cost (as well as disposal cost), but our "International Export Pallet Rental Platform" enables the curb of unnecessary spending. Besides, single-use pallets are facing the end of their tether due to environmental pollution issues.

Therefore, ALPORTER created a platform to send reusable pallets to an exporting company and collect them back from an importing company.



We could retrieve the real-time location information of rental pallets and supply the pallets to the right place at the right time by reading information from the RFID Tag, which is attached to the pallets. And by creating the cloud server, we can manage to build the SCM environment.

CIRCULATION ECONOMICS VISION WITH ALPORTER



CIRCULATION ECONOMY PRESENT THROUGH R-to PALLET PRODUCTION



Pallet Production Technology with Scrap Plastic Film

- ✓ The first commercialized technology with scrap film which was landfilled or incinerated
- ✓ Raw material manufacturing cost competitiveness vs legacy raw material
- ✓ ALPORTER's superior durability vs disposable pallets in the market

Raw Material Recycle → New Material → Pallet Production



Scrapped Package Film Collection



Sorting - Grinding



Press - Cut



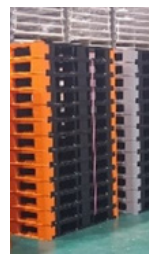
Pellets



Pallet Mold



Pallet Injection Molding



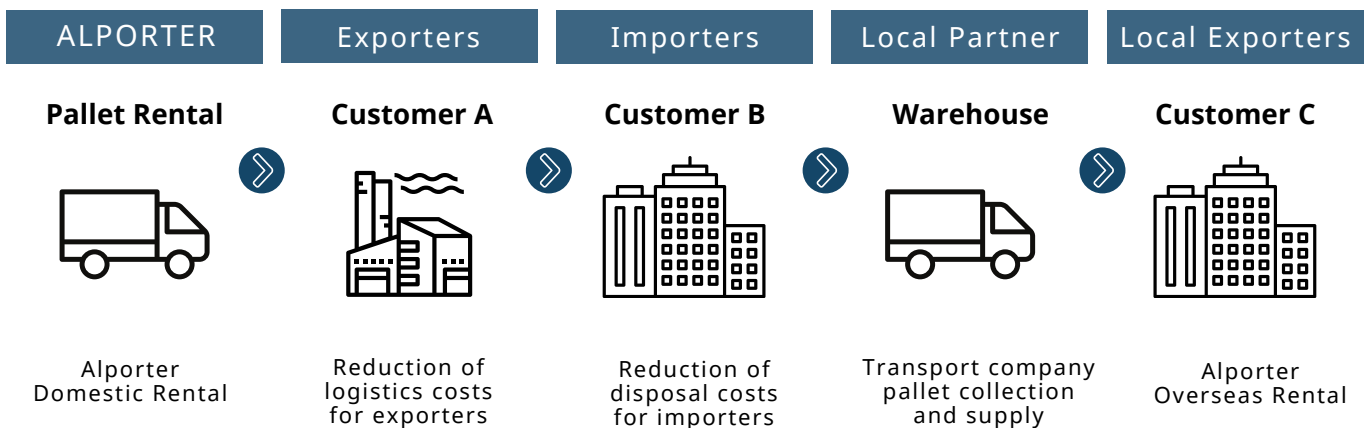
Pallets

GLOBAL RENTAL PLATFORM WITH CIRCULATION ECONOMY

R-to Operation Process

RFID tags are attached to standardized various logistics devices used for import and export so that they can be used in common.

R-to is a logistics equipment rental platform that is provided for economical use not only in Korea but also abroad.



99.2%

of import/export pallets are disposed of as waste after single usage

Importers: Change the pallet for inventory and scrap the imported pallet.

**Waste disposal costs included.*

Exporters: Non-refundable by geographic issue - using disposable pallets.

**Waste disposed in the import country.*

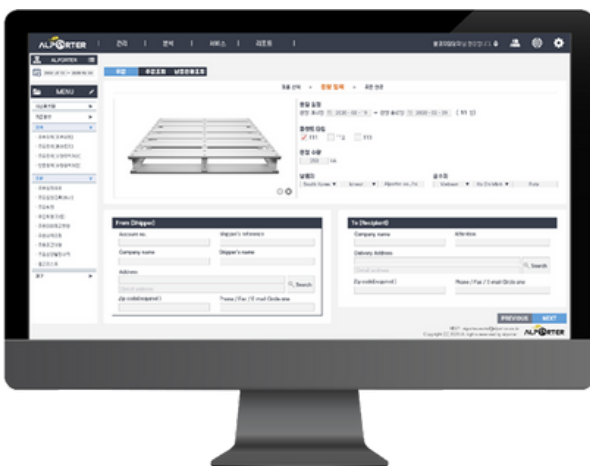
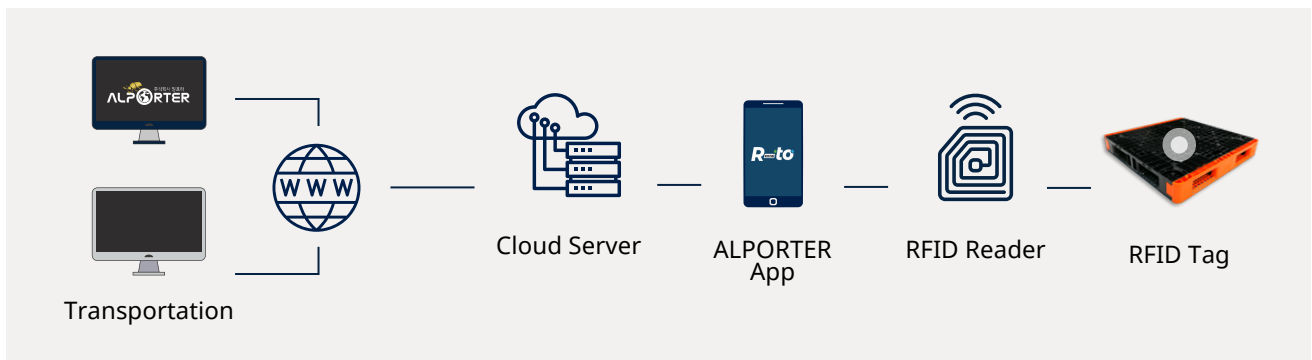
STRATEGIC APPROACH FOR ECONOMICAL, TECHNICAL, AND END-TO-END MONITORING

RFID (Radio Frequency Identification) Applied Monitoring System

- Identification of the pallet and real-time monitoring of the logistics status
- Reducing logistics cost by accumulated big data analysis and optimizing the route



Monitoring Process



"Effective pallet control and maximizing the efficiency of the pallet rental."

GLOBAL RENTAL PLATFORM WITH CIRCULATION ECONOMY

How can the R-to system help you strengthen your competitiveness and profit?



Convenience.

All tasks from (exporter) rental application to (importer) collection requests can be handled with just a few clicks within the R-to system.

Efficiency.

Integrated data management for just-in-time supply systems enables efficient management of material procurement.

Visibility.

Considering the customer's supply chain and requirements, we evaluate the utilization rate of inventory through continuous change management and provide integrated visibility that covers end-to-end.

R-to Products | Aluminum & Plastic

Rental Products



Stringer Pallet



Sleeve Pallet



Block Pallet



Modular Pallet



Sleeve Box



Multi-stack Pallet

For-Purchase Products



Roll-tainer /
Roll-cage



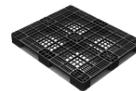
Stacking
Rack



Do-It-Yourself
Pallet



Dolly



Env. Friendly P
Pallet



Anti-fungal /
bacteria Pallet



Multi-stack Pallet



MODULAR PALLET TO SATISFY THE GLOBAL PALLET SIZE STANDARD (IP)

Differentiation of Technology

- With raw material differentiation and robust design, minimize the manufacturing cost but superior quality than the market's existing pallet
- By different pallet standard sizes in each region, developing the modular pallet to meet requirement



ROBUST ALUMINUM ASSEMBLED PALLET WITHOUT WELDING

Advantages

- By assembling without additional welding and rivet, can be achieved strong durability of the pallet
- By minimizing the parts, lightening the pallet weight, and easy to handle
- Stable quality for mass production, minimize the operator and parts cost
- Differentiation of the raw material



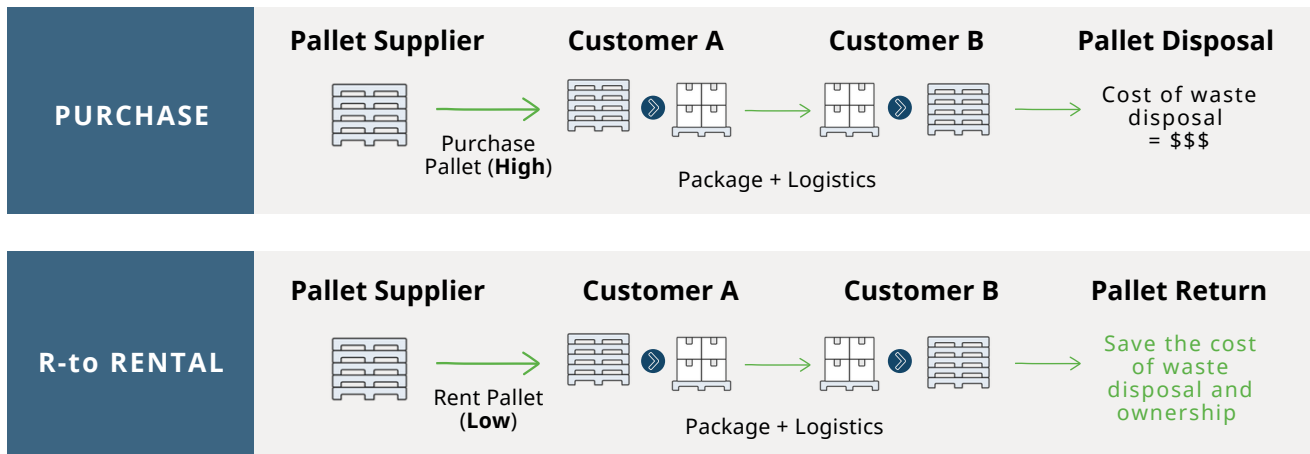


SUSTAINABLE MANAGEMENT CAN BE ACHIEVED THROUGH ECONOMICAL, TECHNICAL AND END-TO-END MONITORING SOLUTION OF R-to SYSTEM

EXPECTATION OF ECONOMICAL BENEFIT THROUGH R-to

"Purchase" vs "R-to Rental" Comparison Example

- The user can save the pallet cost to buy by changing to R-to rental system and save waste disposal cost
- With LCA (Life Cycle Assessment) monitoring, improve the social image for ESG management



Operation Cost Reduction by R-to Rental Platform

Automotive Parts Manufacturing Example: Company D - 10k Set Pallet Operation

PURCHASING	R-to SERVICE	REDUCE YOUR BUSINESS' OPERATION COSTS BY UP TO <h1 style="font-size: 48px; margin: 0;">40%*</h1>
Wooden Pallet + Paper Box  est. 350K USD / Month	Modular Pallet + Plastic Sleeve  est. 210K USD / Month	
VS		

SOCIAL CONTRIBUTION BY REDUCING THE GHG THROUGH R-to

Effectiveness of Carbon Reduction Through R-to

Based on the three countries, Korea, China and Japan, in 2007, about 72 million pallets for export were consumed, and the amount used exceeded 1 billion US dollars.

Among them, disposable pallets account for **more than 99%** of the total.

Disposable pallets that arrive in the exporting country cannot be recovered but are entirely discarded, incurring enormous industrial waste and disposal costs.



Recycling **1ton** of
scrapped plastic
(*IPCC Value Applied)



~**2.74tonCO₂eq**
Carbon Emission
Reduction

Carbon Reduction Example with R-to

Pallet: 14kg / Sleeve Set: 12kg - 10K pallets/month

1 x R-to Box Set (26kg)
71kgCO₂eq x 10,000 set
= 710tonCO₂eq

710tonCO₂eq x 12 months
= **8,520tonCO₂eq reduction**



*IPCC: Intergovernmental Panel on Climate Change under UN.

Note: Carbon prices differ per region.

Conceive a pallet that supports the future of the planet, the company, and everyone.

The products made from aluminum material are 100% recyclable, which are highly economical and create a pleasant work environment.



Eco-Friendly
Material



Durability



Light Weight

R-to BUSINESS EXPANSION WITH CORE GLOBAL PARTNERS

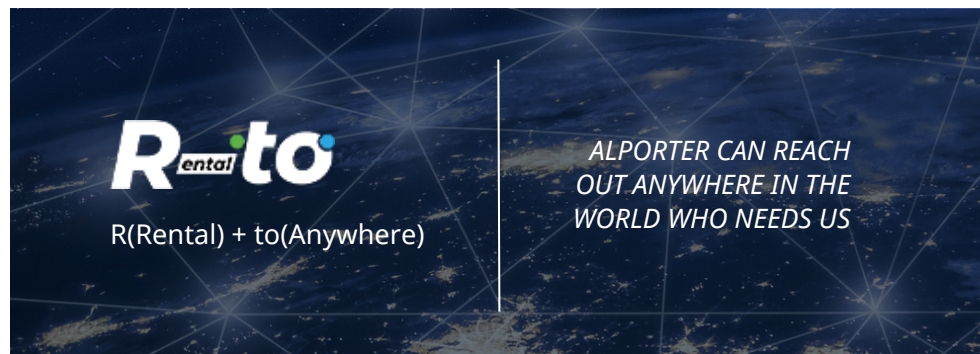


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VIETNAM
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