

Setting the standards in cargo handling

EV

**Advanced Cargo Warehouse
Management System**



KOREA AIRPORT SERVICE

KOREAN AIR GROUP

ev-System - Cargo Warehouse Management System

What is ev-System?

ev-System is an upgraded cargo warehouse management system composed of ev-COS, ev-LOS and ev-DES.

Based on cargo handling knowhow accumulated over 40 years, Korea Airport Service has developed ev-System, which is optimized for the cargo warehouse handling environment.

- Evolution Control System, ev-COS provides full control of cargo material handling equipment including elevating transfer vehicle.
- Evolution Logistics System, ev-LOS is the core of ev-System. The main features of ev-LOS are real-time cargo handling process monitoring, cargo storage charge simulation, and interactive operation with PDAs.
- Evolution Decision System, ev-DES, which is used mainly for database management, can store all of the in and out of cargo handling statistics. It also provides the overall estimation of cargo handling staff productivity.

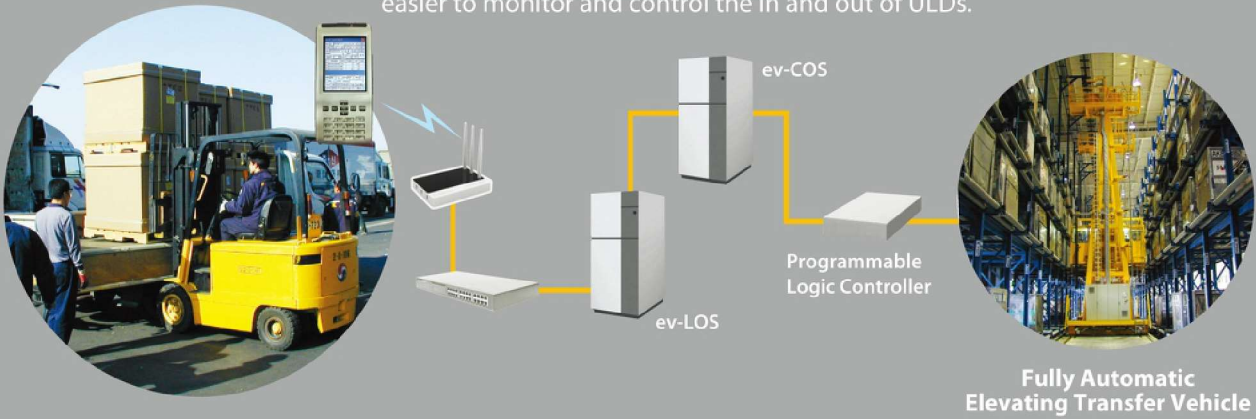


Key Features

ev-System shows noticeable progresses compared to other cargo warehouse management systems.

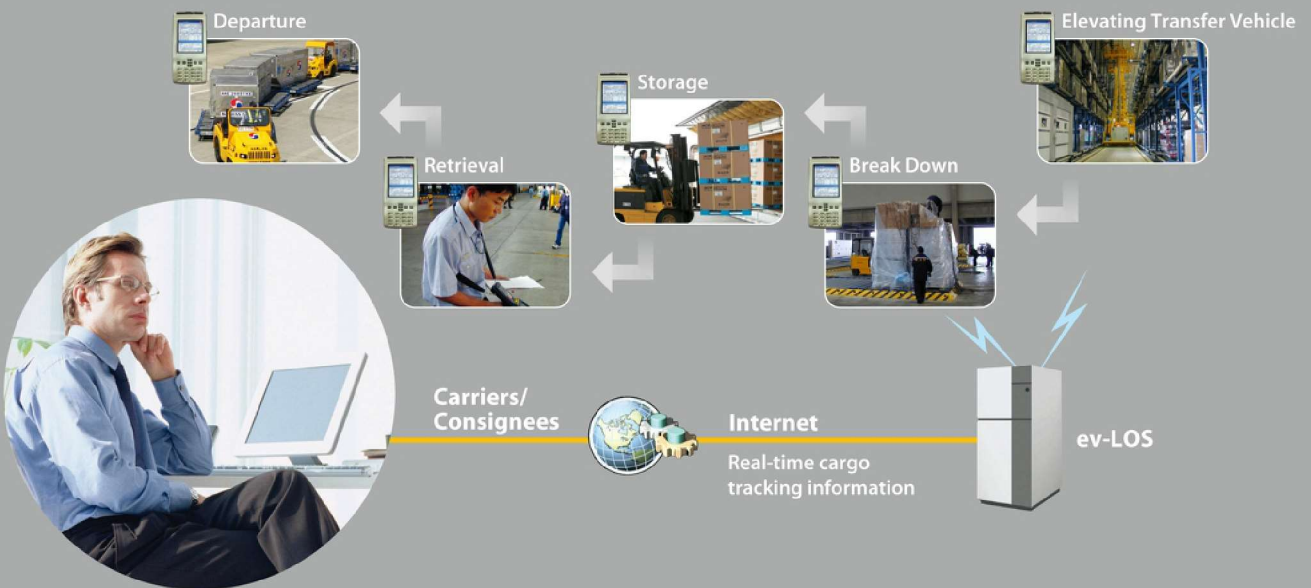
Introduction of PDA System

With the introduction of the PDA system, ev-System is able to provide users with real-time feed back on work results. ev-System also makes it easier to monitor and control the in and out of ULDs.



Real-Time Cargo Tracking

ev-System monitors each of the cargo handling processes and instantly provides the cargo tracking history to customer carriers and consignees on the web.



ev-System Interactive Work Flow



Customer Carriers

Provide all the necessary cargo information on the web.



Airway Bill Information & Tracking
ULD Information & Tracing
Cargo Handling Process Information
Cargo Inventory Information
Sheet & TAG Information
Storage Charge Calculation

Cargo Handling Information

On-Line Work Order

Build Up Work Order
Special, Transfer Manifest Work Order
Requiring Reservation Cancellation

TELEX Message

Container Pallet Message
Flight Manifest Message
Pre-Load Message
Forwarder's Bill of Lading
Arrival Manifest
Departure Manifest

Work Order Transmission

Work Results Feed Back

Internet



Cargo Handling Information

ev-System



What are the key advantages?

- ☑ It is more reliable. Since each server operates individually and as a dual base, system operation is not interrupted even with an unexpected error in the system.
- ☑ It is integrated. It allows you to see the entire cargo handling processes at a glance. With ev-System, all the persons concerned can exchange the necessary information simultaneously, which helps prevent possible handling errors.
- ☑ It is prompt. ev-LOS can simplify the cargo handling procedures by employing PDA in all handling procedures.
- ☑ It is customer friendly. ev-LOS provides customer carriers and consignees with accurate and real-time cargo tracking information.

ev-System Major Functions and Benefits

Process	Functions	Benefits
Scale / Cargo Storage	<ul style="list-style-type: none"> Computing volume weight using PDA. Interfacing by-pass weight data. 	Reduced risk of human errors. More reliable handling information.
Warehousing	<ul style="list-style-type: none"> Inputting cargo location using PDA. Cargo tracking support. 	Simplifies the process.
Build Up	<ul style="list-style-type: none"> Monitoring build up process real-time. Preparing the build up planning sheet automatically. 	Requires less time and effort.
Others	<ul style="list-style-type: none"> Total control of the Elevating Transfer Vehicle. Implementing the real-name system in all handling processes. 	Ensures work efficiency. By clarifying the handler, it reduces the risk of human errors.

Import Cargo Handling

Process	Functions	Benefits
Work Planning	<ul style="list-style-type: none"> Monitoring cargo location real-time. Interfacing cargo handling message. 	Reduced work-load. Saves time and ensures work efficiency.
Cargo Damage	<ul style="list-style-type: none"> Sharing information on damaged cargo real-time. Uploading photo of damaged cargo. 	Helps reduce cargo damage caused by human errors.
Cargo Delivery	<ul style="list-style-type: none"> Automatic transmission of delivery order. 	Reduced effort in placing delivery orders manually.

Others

Process	Functions	Benefits
Storage Charge	<ul style="list-style-type: none"> Providing storage charge estimation function on the web. Integrating multiple systems related to storage charge. 	Reduced effort in estimating the storage charge. Guarantees customer's satisfaction.
Data Management	<ul style="list-style-type: none"> Creating cargo handling data and storing the accumulated data automatically. 	Safe maintenance and efficient use of data.





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