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Incheon International Airport Corporation to Boost Adoption of Biodegradable Vinyl Packaging for Air Cargo

Incheon International Airport Corporation (President C.W. Lee) announced on January 4 that the airport helped supply biodegradable vinyl packages by supporting 50% of the purchasing costs of almost 7,360 environmentally-friendly biodegradable vinyl packages for ground service companies (Korea Airport Service, Swissport, AACT) in the airport as the Fourth Green Cargo Hub project.

Started in 2009 by Incheon International Airport Corporation, the Green Cargo Hub project is aimed at promoting the environmentally friendly growth of the air cargo industry, and enhancing the Airport's brand image as the leader in green development, by reducing CO₂ gas emissions as well as popularizing the use of environmentally friendly equipment. The corporation had supplied some 400 lightweight air cargo containers to airlines and ground operators in the airport by 2010, thereby reducing some 28,000 tons of CO₂ gas emissions. It has since promoted the adoption of environmentally friendly biodegradable and photodegradable air cargo vinyl packaging materials.

The biodegradable vinyl packages for air cargo supplied to the operators were made by adding biodegradable materials to the vinyl packaging, such as corn flour, which makes it possible to decompose in the natural environment.

Whereas conventional vinyl takes more than 16 years after burial before it starts to decompose, the biodegradable vinyl starts to decompose just eight months after burial. The biodegradable vinyl supplied for this project starts to decompose two months earlier than that supplied for the previous project – which starts to decompose one year after burial – thanks to the high percentage of biodegradable ingredient in the vinyl.

The Corporation also printed its corporate emblem on the vinyl sheets in an effort to globally publicize its brand image of environmentally friendly logistic operation among airlines, logistic service providers and other airports.

Incheon International Airport Corporation plans to differentiate its image among competing airports by continuously developing diverse promotion models to publicize its green airport image. End.

※ **Attachment: Reference**

※ **Annex: One copy of photo of Biodegradable Vinyl Packages for Air Cargo for supply**

[Attachment]

Reference 1) Conventional Vinyl Packaging vs. Biodegradable Vinyl Packaging

	Conventional Vinyl Packaging for Air Cargo	Biodegradable Vinyl Packaging for Air Cargo
Price (Unit: 1m ² , 50ppm)	About KRW 100	About KRW 180
Starts to decompose in	16 years	8 months
Ingredients	Polyethylene vinyl	Polyethylene vinyl + biodegradable materials such as corn flour

Reference 2) Details of Green Cargo Hub Project by Year

	Year	Target Companies	Details
Lightweight Container for Air Cargo Supply Project	2009~2010	Korean Air, Asiana Airline, UPS, Swissport, KAS	400 Lightweight containers for air cargo supplied
Biodegradable Vinyl Package for Air Cargo Supply Project	2010	Korean Air, Asiana Airline	1,400 Biodegradable vinyl packages supplied



Photodegradable Vinyl Package for Air Cargo Supply Project	2011	Swissport	3,600 Photodegradable vinyl packages supplied
Biodegradable Vinyl Package for Air Cargo Supply Project	2012	Korea Airport Service, Swissport, AACT	7,360 Biodegradable vinyl packages supplied