



Realization of Sustainable Asset Management

ASSET MANAGEMENT SYSTEM

What is an Asset Management System?

The asset management system at Korea University enables systematic management and monitoring of assets, aiming to improve **resource efficiency** and **transparency** in administration. It also supports asset inspection and reuse, thereby reducing costs and realizing **sustainable asset management**.

In particular, the reuse market feature helps repurpose or share unused items that would otherwise be discarded, promoting **resource circulation** and contributing to carbon emission reduction—ultimately supporting the university's ESG management goals.

Designed with a user-friendly interface and intuitive functionalities, the system enhances administrative convenience and operational efficiency, with a strong focus on building a **sustainable future**.



Carbon Emission Reduction Effects

Before use, a new laptop generates approximately **338 kg of CO₂eq**, with **79% of its carbon footprint** emitted during the manufacturing process.

By adjusting the replacement cycle of equipment to every 3–4 years, carbon emissions can be reduced by **up to 25%**. Additionally, by analyzing the condition of devices through data and applying timely updates, repairs, or reuse of parts, the lifespan of equipment can be extended to **8–10 years**, leading to a significant reduction in carbon emissions.

Not only laptops but also office furniture emit most of their carbon footprint during manufacturing. The asset management system promotes the reuse of equipment, contributing to both carbon emission reduction and **extension of product life cycles**.

Laptop	Desk	Chair	Drawer	Partition
79%	86.7%	68.6%	93.8%	79.4%

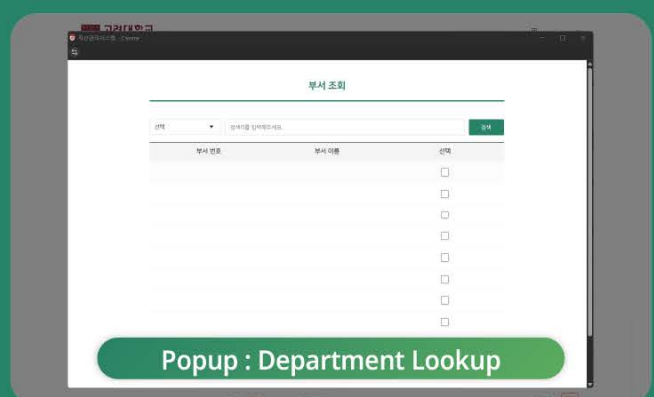
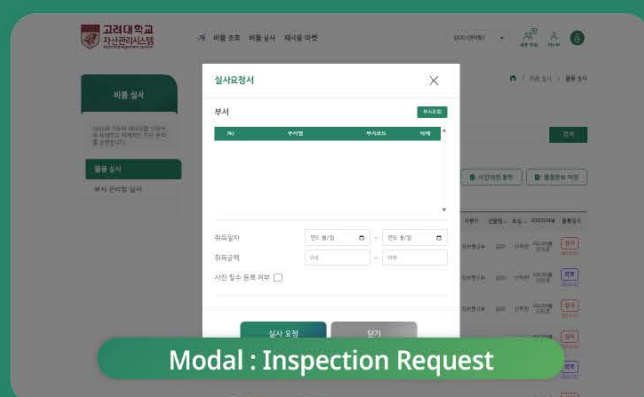
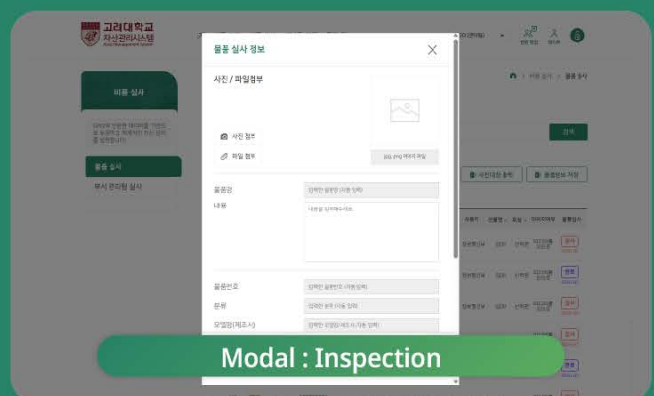
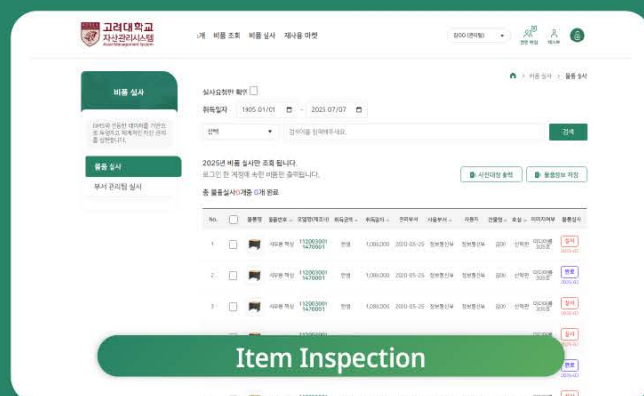
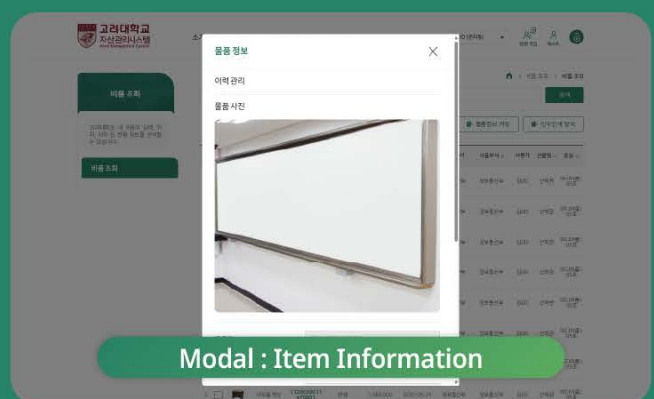
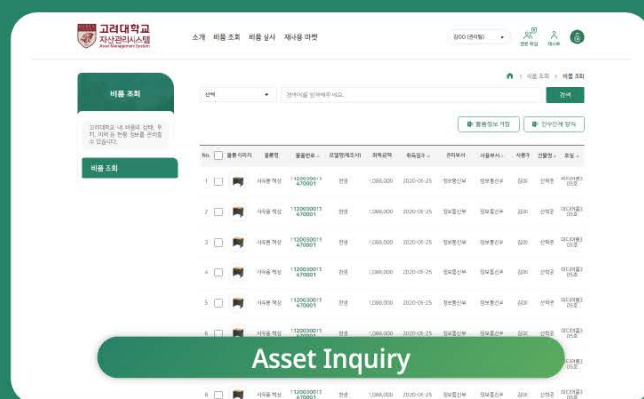
Asset Circulation, Sustainability for the Future

Asset Management System

Asset Inquiry and Inventory Inspection

- ① Asset Inquiry | to search and manage information such as location, condition, and usage status by utilizing GMS
- ② Inventory Inspection | Based on the asset inquiry, users can systematically grasp the current status of assets

Through asset inquiry and inventory inspection, the system enables effective asset management and minimizes unnecessary asset waste.



Reuse Market

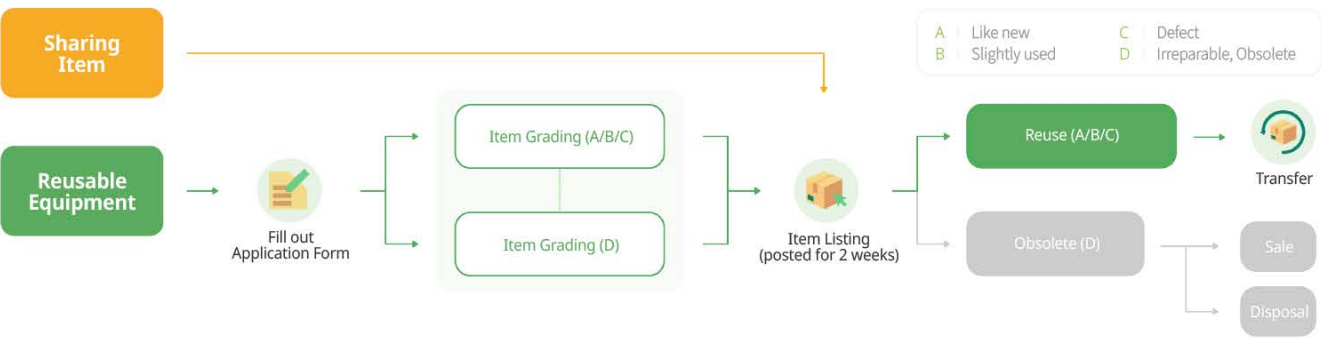
The Reuse Market is a sharing platform within Korea University that connects **no longer used items** with departments in need. It promotes resource recycling, reduces costs, and supports **eco-friendly policies that contribute to environmental protection.**

Sharing Item

Items not registered in GMS, transferable without approval

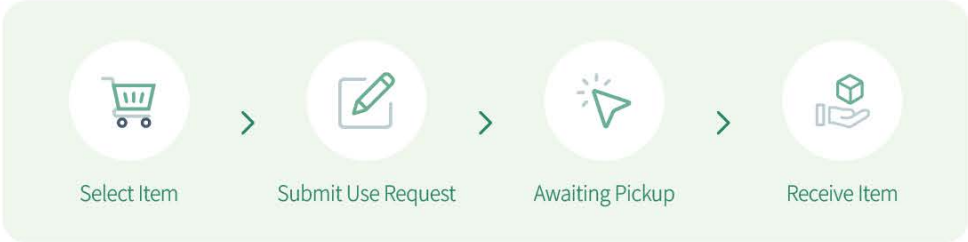
Reusable Equipment

Equipment registered in GMS, requires approval for department transfer

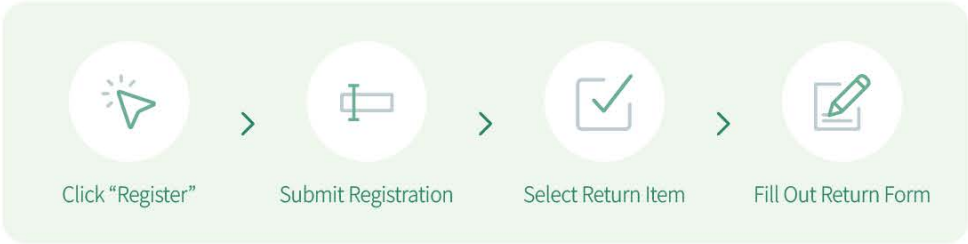


How To Use

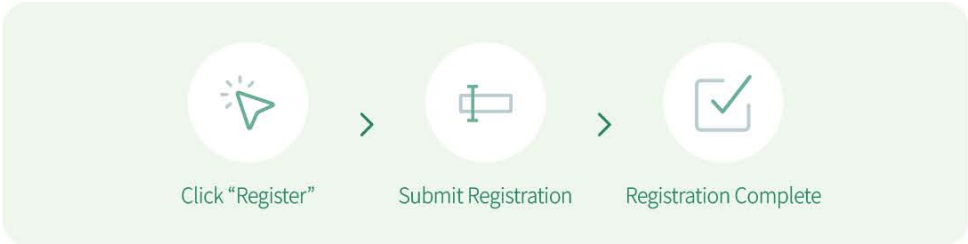
01 Apply to Use Item



02 Register Reusable Equipment



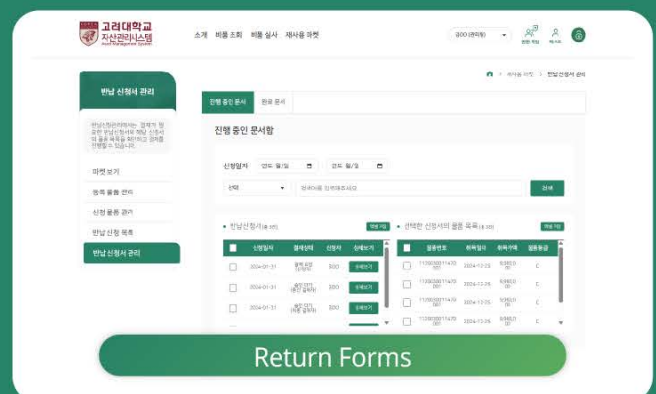
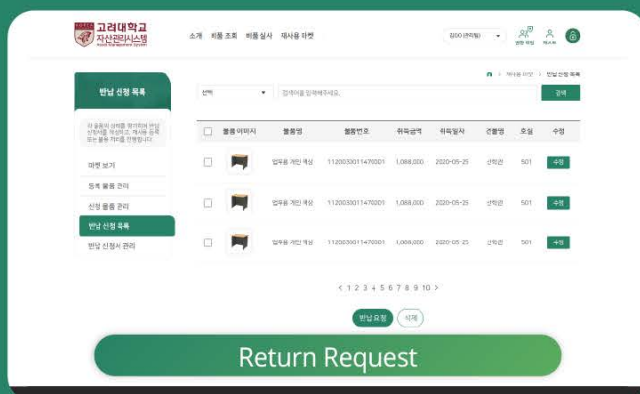
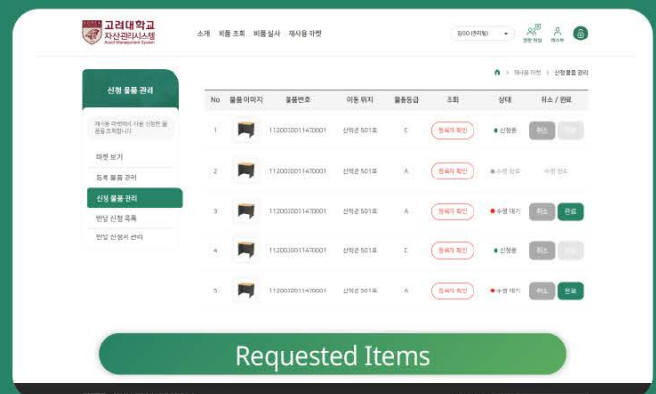
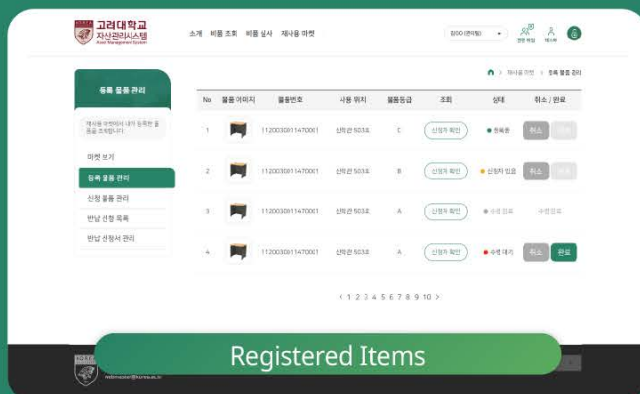
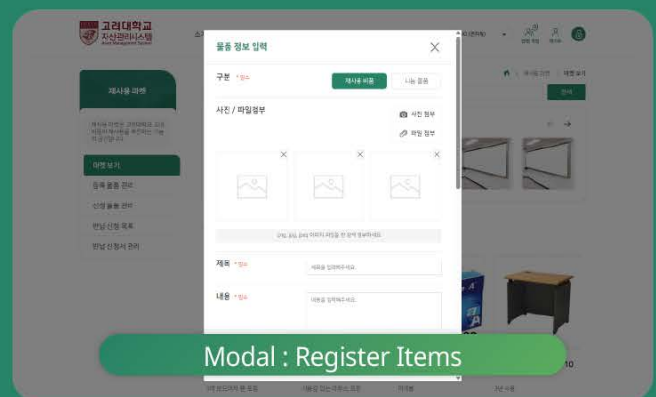
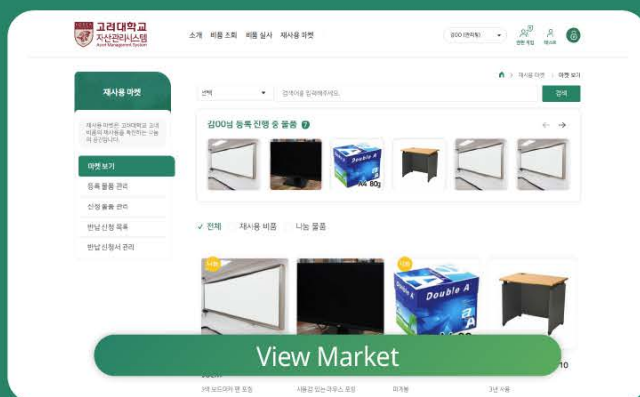
03 Register Sharing Item



Menu Structure

- ① **View Market** | View Market Status and Item List
- ② **Registered Items** | List of Your Items Registered
- ③ **Requested Items** | List of Items You Requested

- ④ Return Request | Items Scheduled for Registration
- ⑤ Return Forms | Approval Process for Registration



Asset Management System

It is a sustainable eco-friendly system  that improves resource efficiency and management transparency through regular status monitoring and systematic management of equipment.

