

Identify RFID: Automating Inventory Management for Healthcare



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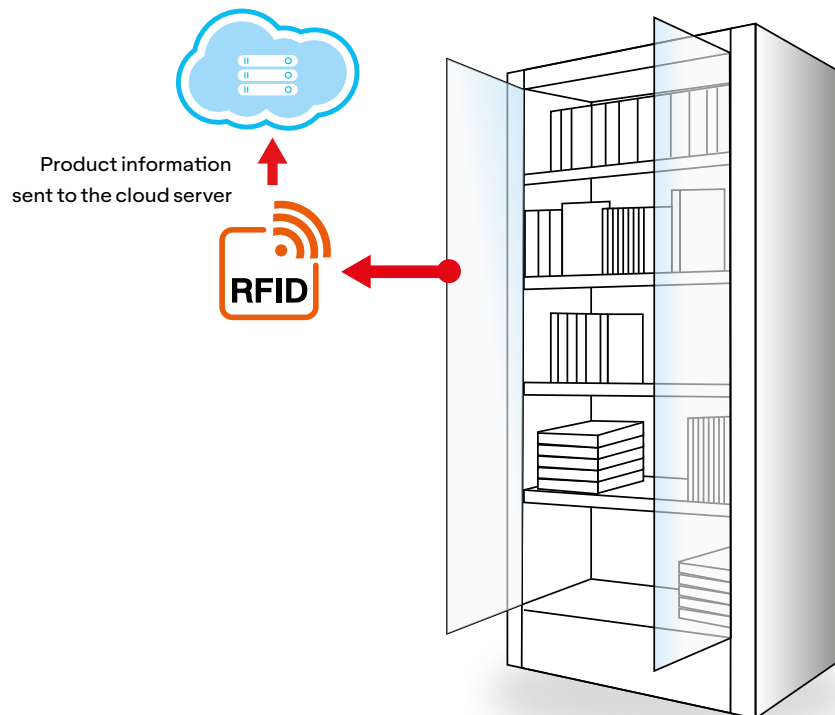
Our RFID tags are helping to remove guesswork, waste, and risk for medical supply companies and hospitals throughout Thailand.

The Challenge

Managing inventories of medical supplies across healthcare systems is a challenging, high-stakes proposition, with patient well-being hanging in the balance. Suppliers typically depend on field inventory staff to visit sites and take inventories by hand, a process with a high margin for error and high degree of risk. For suppliers, it can mean costly uncertainty about what they have in their inventories at any given site, any given moment. For healthcare organizations, it can mean not having critical supplies when they're needed.

The Solution

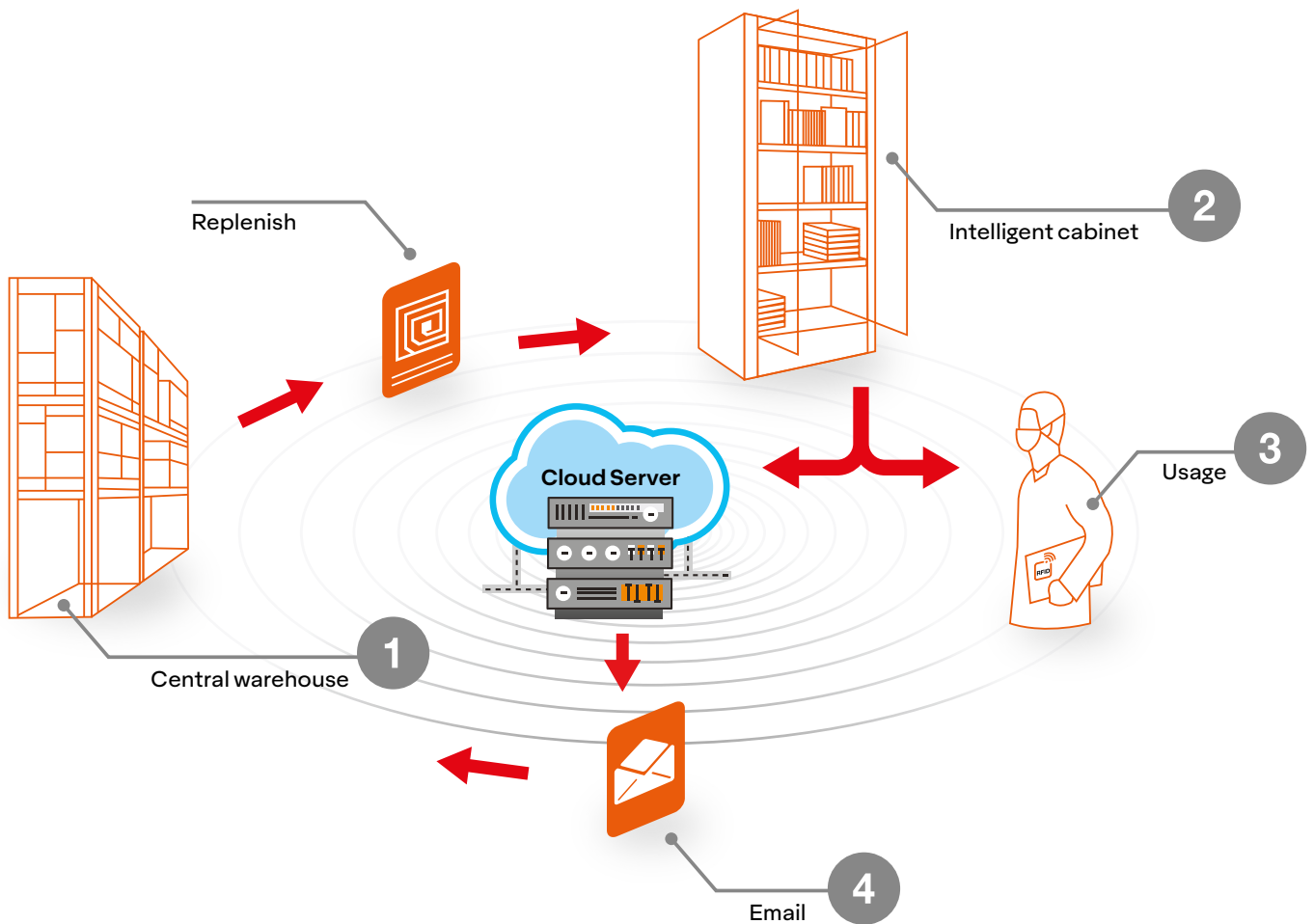
Identify RFID, an RFID solutions provider in Thailand, has developed the Intelligent Cabinet solution, which combines RFID capabilities and cloud-based technologies to give medical suppliers and healthcare organizations dramatically increased visibility into their inventories, enabling them to improve inventory management, security, and efficiency. Clear visibility and precise management are critical especially for high value consignment goods that are kept at the customers' site with little control or knowledge of the inventory status or movements.



How it Works

First, every item in an inventory is affixed with an Avery Dennison RAIN RFID (UHF) tag and subsequently encoded with a unique digital ID that is captured in an online inventory system to provide full traceability.

Supplies are then stored in the Intelligent Cabinet, which uses RAIN RFID readers from Feig to provide security as well as item-level inventory tracking. These readers scan the cabinet's contents at regular intervals and feed updated data to a cloud-based server networked with the suppliers' inventory management system. With the use of this solution, full inventory visibility is made available to the suppliers at all times. The system also alerts suppliers to any items that need to be replenished, or that have become "dormant" by sitting unused for a specified length of time. Expiry alerts notify suppliers of any items approaching the end of their shelf life, which may further enhance patient safety and reduce risks. In addition, users must have an RFID-enabled identification card on their person to open the cabinet which provides accountability while capturing consumption patterns of various departments.



The Outcome

Identify RFID's Intelligent Cabinet solution has been successfully installed in more than ten hospitals throughout Thailand, and quickly expanding. Medical suppliers using the solution have been able to eliminate manual product counts in exchange for far more accurate and up-to-date automatic scans by the cabinet's RFID readers. Greater inventory visibility also provides more reliable data for informing site-level planning and budgeting, so resources can be allocated most efficiently and billing discrepancies can be avoided.

The Benefits

As an essential component of Identify RFID's Intelligent Cabinet solution, Avery Dennison's RAIN RFID tags are capable of providing the following benefits:

- Improved patient safety
- Reduced personnel travel to customer sites
- Reduced human error in stock counting
- Real time site-level insight into product usage and supply levels
- Greater understanding of consumption patterns
- Automatic alerts of understocks, overages, unused and expiring products
- Increased security, resulting in decreased loss to theft or supply misplacement
- Eliminated billing discrepancies
- Minimal physical contact with supplies, reducing the likelihood of contamination from COVID-19 and other pathogens

More Information

See how the Avery Dennison RFID solutions are helping to transform healthcare and other industries. Visit rfid.averydennison.com, or email us at rfid.info@averydennison.com.

To learn more about the Identify RFID Intelligent Cabinet solution, visit www.id.co.th or email wiroten@id.co.th.

