

# USE CASE

## Digital Inventory Management with Built-in Reordering



### AT A GLANCE

- Direct reorder of items via a button on the E-Ink Display
- Automatic transmission of all order data to the ERP system
- Display of the delivery location directly on the screen for correct placement
- Seamless integration with existing laboratory or warehouse management systems
- Fast and accurate replenishment directly at the shelves



when items have been replenished or are ready to be correctly put away. The E-Ink display operates with extremely low power consumption, is glare-free and easy to read, and enables clear, digital communication throughout the entire material flow.

## TECHNICAL IMPLEMENTATION

For reordering consumables, an infsoft E-Ink Display 2.9" with an integrated order button is used. The displays are mounted directly on the shelves and serve two functions: they provide digital inventory labeling and allow reorders to be triggered directly from the shelf. When a staff member notices that an item is running low, the reorder can be initiated immediately at the push of a button. Communication between the E-Ink displays and the infsoft LocAware platform® is handled via the infsoft Locator Node Dongle, which reliably receives the signals and forwards them to the backend. All relevant information – including material number, storage location, and delivery destination – is processed in the LocAware platform® and transmitted to the connected ERP system via the interface. This seamless digital networking enables orders to be placed efficiently, transparently, and without media breaks. At the same time, it ensures that the physical storage structure is accurately linked with the digital data, minimizing errors and continuously maintaining material availability.



## PROBLEM DEFINITION

In laboratory and warehouse environments, there is often insufficient visibility into the stock levels of consumables and the current location of individual items. Reorders are frequently triggered only when staff notice low or depleted inventory during manual checks. This process ties up valuable resources, causes delays in material supply, and increases the risk of stockouts or incorrect storage. Implementing continuous, digitally supported inventory monitoring creates significant efficiency and quality gains.

## SOLUTION

With digital inventory management, stock levels can be monitored in real time. Each storage compartment or container is equipped with an E-Ink display that clearly shows all relevant information such as item type, quantity, and status directly at the point of use. As soon as employees notice that materials are running low, a reorder can be triggered immediately via an integrated button on the display. This streamlines the ordering process and ensures continuous material availability. In addition, employees are automatically notified

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