

Notification of Empty Pallet Retrieval Timing

Detect and notify empty pallets for efficient retrieval and increase productivity.



Issue

There is a recurring issue of empty pallets being stacked up and frequently reaching full capacity after supplying materials to the production line. Establishing an efficient system for material supply and pallet retrieval is necessary.

Proposal

Height of stacked pallet is measured by multiple proximity sensors. When the pallet reaches to a certain stacking height, a signal is transmitted to the PLC using wireless unit WIO. This signal is then displayed on the operator's tablet to notify the pickup timing. This efficient process enables the retrieval of empty pallets on the right time and reduces downtime.