

BBN Formula Information QR Code Management System

Implementation Partner: Valuposys Technology | Customer: Commercial Product Supply Department of A Renowned Global Beverage Conglomerate

ABOUT PARTNER

Valuposys Technology is a technology solutions provider specializing in no-code/low-code, management system custom development, and RPA robotic process automation implementation.

With a focus on process optimization, Valuposys has worked with organizations across various industries such as healthcare, manufacturing, logistics, media, and more.

CUSTOMER AT A GLANCE

The customer is a renowned global beverage conglomerate that has established itself as an iconic player in the carbonated soft drink industry. They have broadened their range of beverages to encompass over 200 distinct brands and an extensive selection of beverages available worldwide, spanning from carbonated beverages and bottled water to coffee and various tea offerings.



Industry:
Food & Beverage (F&B)



Firm Size:
10,001+ employees



Country:
China



**Savings of
130K+ label
replacements**



**Savings of
10K+ working
hours**



**Savings of
720KM+
forklift trips**

CHALLENGES

- The beverage canning factory needed to can beverages based on the beverage formula, which comprises various raw materials
- Beverage raw material suppliers needed to print and attach the relevant BBN code of the raw materials of the beverage formula, onto the inner and outer packaging
- In cases where adjustments were made to the beverage formula or new formulas were introduced, it became necessary to re-label the corresponding BBN codes of the raw materials
- All BBN code labels on unused raw material packaging needed to be replaced with new BBN code labels
- Each year, to replace the BBN code labels on raw material packaging, the original corresponding formula BBN codes need to be recompiled, reprinted, and all labels on unused raw material packaging and outer packaging need to be changed
- This process required a significant amount of manual labor and forklift operations

SOLUTION

A **BBN Formula Information QR Code Management System** was built on Joget, setting up a backend database website with permission controls to maintain the BBN information corresponding to raw materials.

The system enabled the users to keep track of maintenance history with easier record keeping, while customizing QR code generation and downloading for raw materials' corresponding BBN information, facilitating the QR code printing process. The QR codes can be scanned using laptops, tablets, or mobile phones across multiple platforms to retrieve all BBN formula information.

With this solution, the customer is now able to seamlessly import their raw materials codes from SAP into the newly developed system, in a standardized manner with less manual errors.

RESULTS

- ✓ With the Joget solution and support from Valuposys, the customer has successfully digitalized their 12-year manual processes on BBN formula information. Legacy BBN formula information labels were replaced with BBN QR codes
- ✓ The time needed to upgrade BBN formulas for application has been streamlined from up to 1 month to virtually instantaneous. As a result of formula enhancements, the need for rework involving labeling has been eliminated
- ✓ The label replacement process on both the inner and outer packaging of raw materials, previously exceeding 130,000+ boxes annually, has been completely eliminated
- ✓ The extensive workload associated with warehouse turnover, which previously amounted to over 10,000+ working hours annually, has been reduced to 0
- ✓ The distance traveled by forklifts during warehouse turnover, which used to span over 720+ kilometers annually, has been brought down to 0
- ✓ Inventory counting and rework are no longer prerequisites. In the procurement process, communication with suppliers for rework labeling is now obsolete
- ✓ Quality control no longer necessitates physical counts; rework batches are now included in operational instructions