



FONTERRA UTILISES RFGEN FOR **ADVANCED** **WAREHOUSING**



Fonterra Brands New Zealand completed their roll out of JD Edwards Advanced Warehousing and RF Gen with the main objectives being to replace the existing warehouse management system with one fully integrated with the existing ERP system; and utilise barcode scanning technology for quick and accurate transaction processing in 'real-time'.

Benefits:

- A warehouse management system that is fully integrated with other JDE modules particularly sales, procurement and financials
- A 'real-time' and integrated barcode scanning solution
- Increasing warehouse efficiency
- Consistency in process across different distribution sites
- Gaining knowledge in house to roll out their warehousing model to other sites

JD Edwards Advanced Warehousing and RF Gen were implemented into the Paerata distribution centre as a pilot to establish a working model, which could then be rolled out to other sites, in particular the Takanini Foods distribution centre, a high volume 24 hour, 6-day a week operation.

The Paerata Distribution Centre went live with the suggested putaway, replenishment and picking functionality of JD Edwards and the barcode scanning and transaction processing functionality of RF Gen.

Deliveries are now receipted using a mobile device as the product comes off the truck. By scanning the items barcode most of the data required for receipt is populated streamlining the transaction. After receipt, putaway suggestions are generated which direct the hoist driver to an empty location, depending on the item this may be to a location above the items pick bay, or a drive in location that will leave the least space left over after the product is putaway. The putaway suggestion is then confirmed, or overridden if necessary, on the mobile device which moves the stock in the system from the inwards receiving location to the putaway location.

The replenishment functionality allows replenishment suggestions for pick bays that are

FUSION5 CASE STUDY

About Fusion5

Fusion5 aims to provide higher levels of service and value to organisations that have recently implemented, or are about to implement leading software package solutions such as JD Edwards, Oracle, Pivotal and PayGlobal.

Our guiding principles include:

- Ensure the customer implements the foundations correctly
- Work with our customers to offer a fresh perspective and new ideas
- Deliver value through speed, effectiveness, communication and closure
- Present opportunities to enable our customers to leverage their investments into the future

Fusion5 delivers on these principles. We have a team of consultants with a wide range of industry experience, years of implementation expertise, and practical hands-on configuration knowledge. We have seen many, many installations, and we know what works and what doesn't.

Having worked in the services market for many years, we have also gained practical experience in the most effective ways to optimise enterprise solutions so that they deliver additional business benefits to your organisation.

As a leading provider of mid-range solutions, our team offers the full range of consulting services including onsite consulting and remote applications management, tailored workshops, documentation, technical design and architecture and software development.

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below a specified stock level to be generated by running a batch job. To ensure the stock rotates correctly the system selects stock from locations with the earliest dated stock. The suggestions are displayed on a mobile device and the replenisher scans a barcoded location and the item to validate that the correct stock is moved to the correct pick bay.

Picking suggestions are generated automatically upon shipments/sales orders being approved. To enable this functionality a logical model of the warehouse and its items is defined, allowing the system to match items to storage locations based on the characteristics of the items and locations. Stock picking, replenishment, and putaway suggestions are then controlled by the rules set up for the system to follow.

Using the model for Paerata, FBNZ then rolled out advanced warehousing and RF Gen in their South Island distribution site over a very short time frame. This model was then used for the major phase of the warehousing project at the Takanini Foods DC.

This phase also involved the design and implementation of a custom Lane Allocation application to allow shipments/sales orders to be 'waved' together and assigned to a lane on the sortation system (PLC).

The waving process allows orders destined for certain geographic areas to be quickly grouped together. The resulting wave can then be released, picked and shipped as a batch. The release process also creates the necessary data for the PLC to download in order for it to perform the sorting of products into lanes.

Under the waving approach, picking is consolidated so that the same item on multiple orders can be picked at once to reduce the amount of trips to the pick bay. Picking is also sequenced from the heaviest product to the lightest to ensure the pallets are packed correctly in the dispatch area.