

CASE STUDY: DSM



OVERVIEW

Global manufacturer of nutritional products improves productivity, accuracy and product traceability with RFgen Mobile Foundations for SAP.



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SNAPSHOT

INDUSTRY:

Food Products
Nutritional Products
Manufacturing

ENVIRONMENT:

SAP

APPLICATIONS:

- Manufacturing

GOALS ACHIEVED

- 1 Improved control over the production process.
- 2 Improved traceability of food and nutritional products.
- 3 Reduced the adaptation time required to train new production workers.
- 4 Improved production speed by 20%.
- 5 Increased accuracy with a solid control flow.

“Overall, we have observed a 20% improvement in speed and productivity with RFgen. Accuracy is much improved because the control flow is solid.”

- Yip Chi Ming, Regional Operations Manager
DSM

THE CHALLENGE

DSM operates highly automated manufacturing facilities in Singapore, Malaysia, New Zealand and India. In 2006, it needed to replace an existing IBM barcode scanning solution that was no longer supported in Singapore. The company needed an automated data collection system to use in the production process that would come with external support and be a good fit for the company's security requirements.

THE SOLUTION

DSM selected RFgen Mobile Foundations for SAP for their production operation. RFgen is an enterprise mobility solution that supports wireless barcoding and can be quickly adapted to fit any company's unique workflows.

DSM implemented RFgen and new Motorola MC3190 wireless barcode scanners. The initial implementation of RFgen was completed in six months, and in 2015, DSM upgraded to the latest version of RFgen for an enhanced user experience.

THE RESULTS

DSM employees rely heavily on RFgen for barcode scanners, mobile tablets, and barcode printers.

Control over the Production

Process Today, DSM uses RFgen as a stand-alone system to manage and control DSM's production process. It is an important part of how they fulfill process orders and handle warehousing of finished goods. "RFgen is used in movement process flow control and weighing control," said Ming, Regional Operations Manager. For both process flow control and weight control, Ming reports that RFgen "works as expected."

Each day, RFgen helps employees work through process orders for daily production operations. RFgen verifies the material when a production worker scans the material code. Then the system checks the quantity of material by reading from digital weighing scales and registers the lot number of the material. These steps are repeated until all lines in the process order have been processed.

After an order has been processed, DSM employees use RFgen to receive the finished goods into the warehouse. After receiving the

goods into the warehouse, DSM uses RFgen to update their SAP system through a batch job or cycle counts.

“ RFgen is simple to use, so there is less adaptation time for our employees. ”

- Yip Chi Ming, Regional Operations Manager
DSM

Better Traceability As any food or nutritional product manufacturer knows, traceability of both ingredients and finished goods is of the utmost importance to consumer safety. RFgen's support of lot number traceability contributes to the company's overall traceability programs and systems.

"Traceability is the number one concern in an accredited Food Safety System manufacturing plant," said Ming. "With RFgen, I have observed several benefits, including better traceability and productivity. RFgen is simple to use, so there is less adaptation time for our employees."

Productivity Improvements

DSM has noticed improvements in productivity and accuracy since the company began using RFgen. It has implemented both new software and new

wireless scanners in the production process over the years. "Compared with our prior solution, the speed and interface are much improved. This could be due to our hardware upgrade, our RFgen system upgrade, or a combination of both," Ming said. He is pleased with his investment in RFgen, and added that, "overall, we have observed a 20-percent improvement in speed and productivity with RFgen. Accuracy is much improved because the control flow is solid."



ABOUT DSM

DSM is a leading global manufacturer of nutritional products focused on alleviating hunger and the effects of malnutrition. More than two billion people worldwide suffer from malnutrition, causing nearly half of the annual global deaths of children under five years old. With operations on six continents, DSM strives to make nutrition aspirational, affordable and available by working in partnership with cross-sector partners including the UN World Food Programme, UNICEF and World Vision International.