

# Innovative ways to leverage Winshuttle to improve operations and supply chain

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# Purpose

To discuss creative ways we have leveraged Winshuttle to make improvements in the supply chain and operations.



# Who is Ardent Mills?

On June 1 2014 Ardent Mills became a new company, born from two industry pioneers ConAgra Mills and Horizon Milling.

Ardent Mills consists of a coast-to-coast network of 40 community mills, three bakery-mix centers and a specialty bakery.

Vision: Ardent Mills is the trusted partner in nurturing our customers, consumers and communities through innovative and nutritious grain-based solutions.



# Our Vision

## OUR VISION:

Ardent Mills is the **TRUSTED** partner in nurturing our customers, consumers and communities through innovative and nutritious grain-based solutions.

## OUR VALUES:

We will make a positive impact with our employees, customers, communities and partners by:

- Working to earn **TRUST** every day, always operating with reliability and integrity.
- **SERVING** others with understanding, respect and care.
- Operating with **SIMPLICITY**, clarity and transparency, removing barriers and letting people do what they do best.
- Ensuring the **SAFETY** of our products and people; doing what's best to create the safest environment now and for the future.



# Our Challenge

Operating with **SIMPLICITY**, clarity and transparency, removing barriers and letting people do what they do best.



# Our Challenge

Master Data

Sales Orders

Boms

Recipes

## Horizon Milling

## ConAgra Mills

Go-live October 2013

Go-live Sept 2011

MII user interface

Limited workers on the floor

Customized User interface

2 levels of process orders

Use of Access Databases

4 levels of process orders

Costing in SAP

Standard SAP tables

Costing externally

UIS

ZCODES

Handling Units

ZCODES

Process Orders

Movement types

Purchase Orders



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# Winshuttle to the rescue

Master Data

Boms

Recipes

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# In the Box Thinking

Use case – Wheat varies by regions and seasonality, in order to hit the flour specifications guaranteed to our customers we have to constantly shift the wheat make up of our product. This results in frequent Bom maintenance.

- Winshuttle Query extracts out current Wheat BOMS to access. The wheat inputs are changed in Access.
- Scheduled Winshuttle script changes the BOMs in SAP





# In the Box Thinking

Use case – The supply chain often has to move customer demand from Mill to Mill. The material numbers and customer numbers were different in the SAP systems.

- User fills out Access database with the inputs to one System. Access queries to fill out template for upload into the other SAP system.



# In the Box Thinking

- Material master between the systems
- BOM creation
- Recipe Creation



# Out of the Box Thinking

**Use case:** Sales order changes and cancellations happen very quickly and frequent. We were transitioning the work of 2 customer service teams at the legacy location to a Newly hired team at Corporate. The document flow was different in each system and the steps to cancel or change varied greatly.

- Cancellations & Date Changes
  - Access form – Customer ops keyed in key information or picked from drop down
  - Database looked up legacy location and filled out appropriate template
  - Scheduled Winshuttle job to pick up new records and execute in appropriate system



# Out of the Box Thinking

Use case- certain lines of business contracts needed to be managed in one system. Supply chain did not want to double manage sales orders and inventory.

Operations did not want multiple computer terminals on the floor or hourly employees logging into different versions of SAP

- Collect sales order info from one SAP system to sql tables. The employees provide goods issue information through access. Scheduled Winshuttle script to Goods issue the orders
- A separate Winshuttle script leverages the goods issue information and writes on and off the inventory



# Out of the Box Thinking

Use case – Senior Leadership needed a way to compare across the mills performance. Both SAP systems had variety of business object reports they were currently.

- Extracting the same datapoints from both systems and compiling into one Metric summary to be reviewed.

