

MONASH INDUSTRY TEAM INITIATIVE (MITI) 2016-2017 BUSINESS PROCESS ANALYSIS

Harry Hoo – Live Output, Electronic Data Transfer, Food Prep Process Mapping

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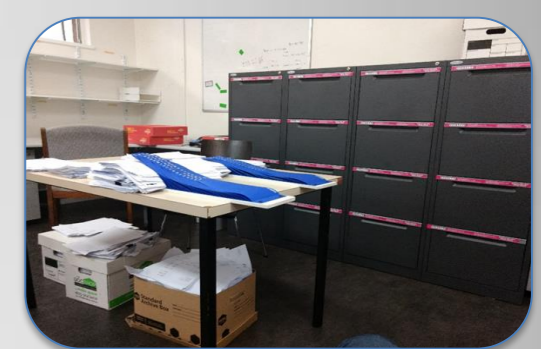
Harry Hoo – Proposal to achieve live output (Real Time Data)

Objectives

- Business case to implement an in-house Weighbridge.
- Easy Access to production plans
- Integration of factory system and ERP (NAV)
- Processing the production order with minimum time.



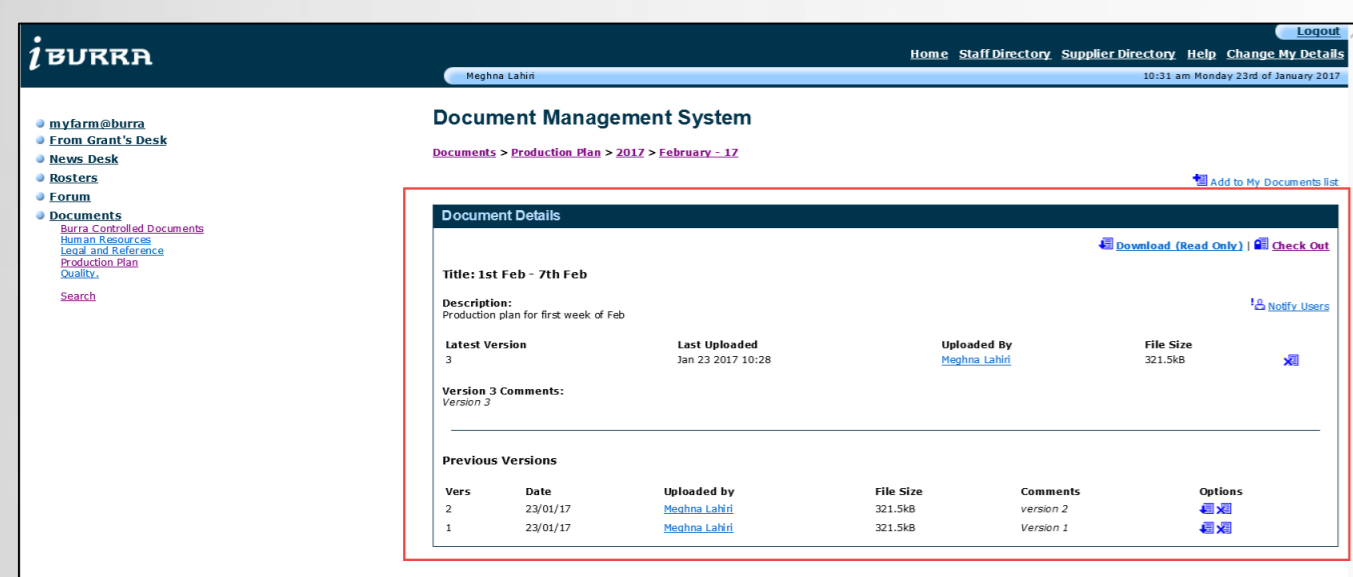
Issue: Archiving



Issue: Manual Planning

Activity (Each week)	Est Total Hours
Manual production planning	4
Manual dispatch/delivery planning	4
Re-work/Re-Planning	2
FTE hours per year	520

Proposal: Use Document Management System



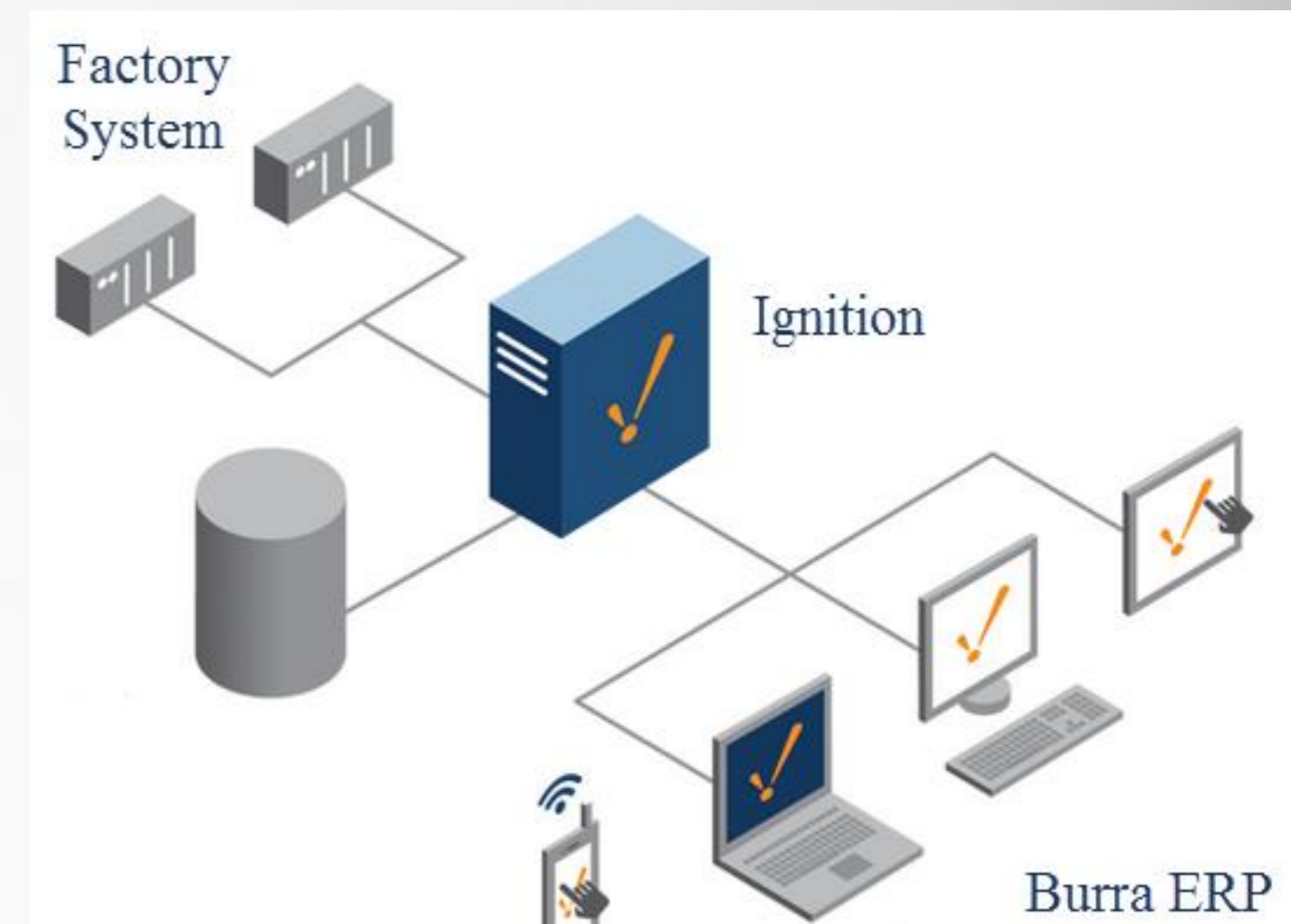
Issue: Lack of weighbridge

Activity (Each Year)	Est Total Cost (\$)
Resource waiting Time	\$10,400
Weighing Cost	\$26,000
Wastage and Yield loss	\$10,000
Total Loss per year	\$46,400

Proposal: Implement weighbridge



Proposal: ERP & Factory Integration via Ignition



Food Prep Process Analysis

Business process mapping

- Analysing the current business process followed for line 1 and line 2.
- Identifying documents for logging details.
- Identifying the gaps and issues in the process.



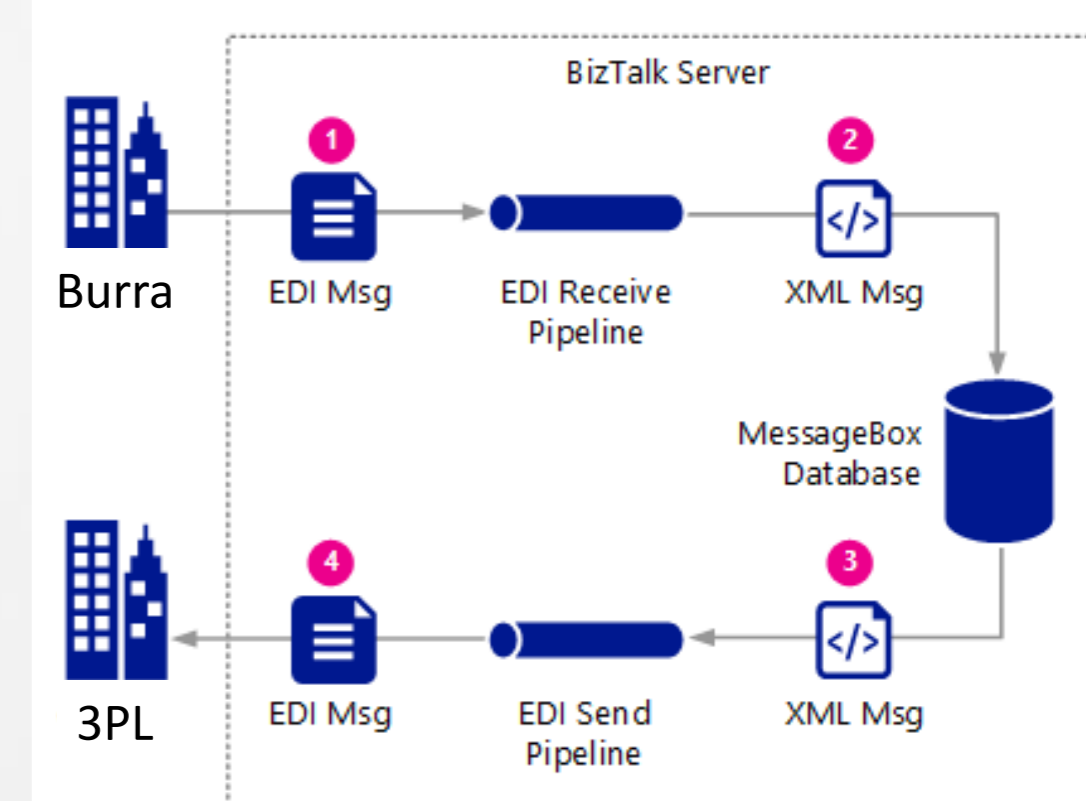
Issues identified

- Manual printing of labels
- Hand written logs
- Lack of integration among departments

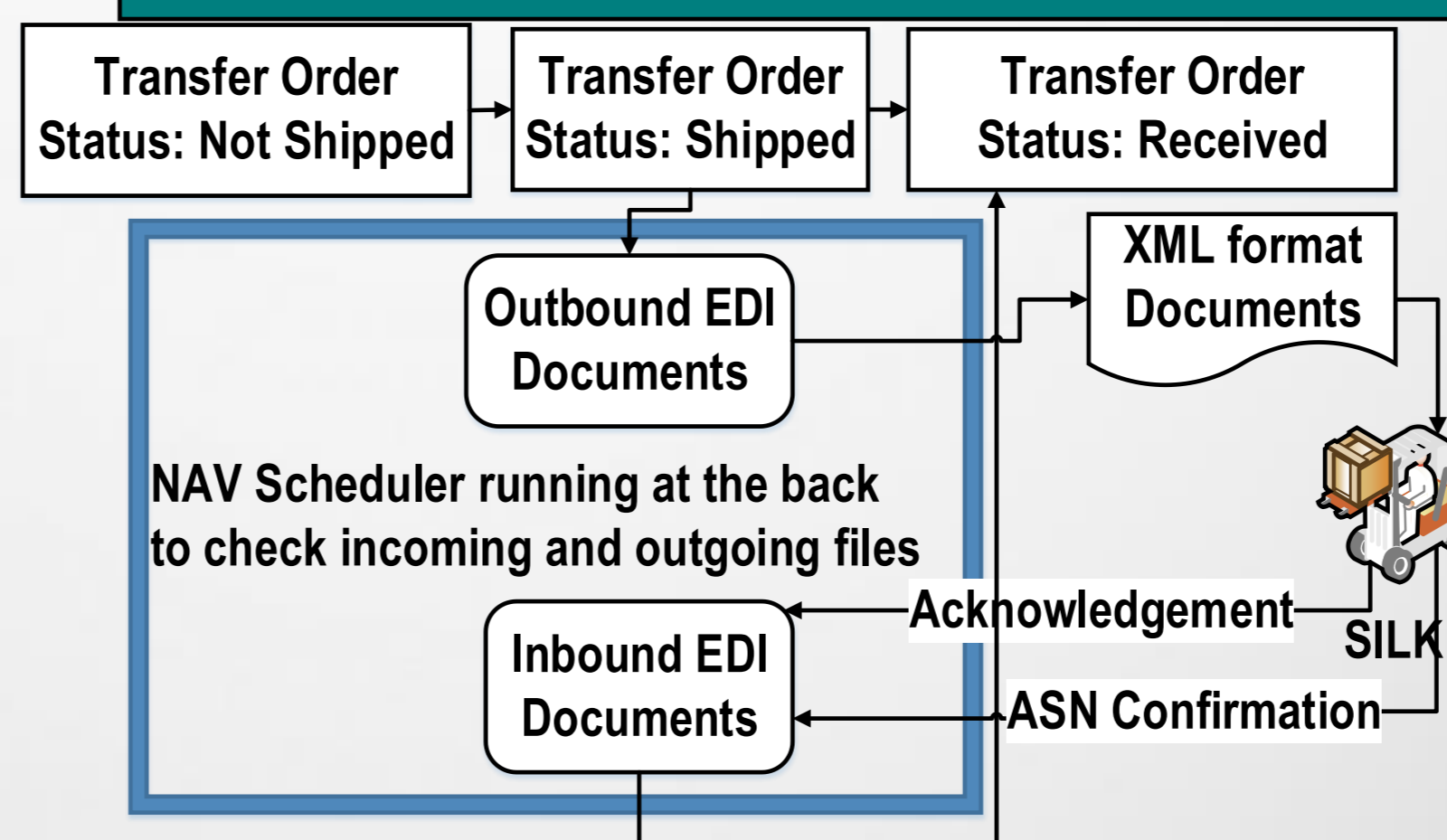
Electronic Data Transfer from Burra to 3PL

Objectives

- Implement a real time Inbound and Outbound data transfer between SILK (Red Prairie – WMS) and Burra Foods (Navision – ERP)
- Reduce the requirement of a CSO at SILK.
- Reduce manual data entry.
- Suggest best practices for warehouse management.

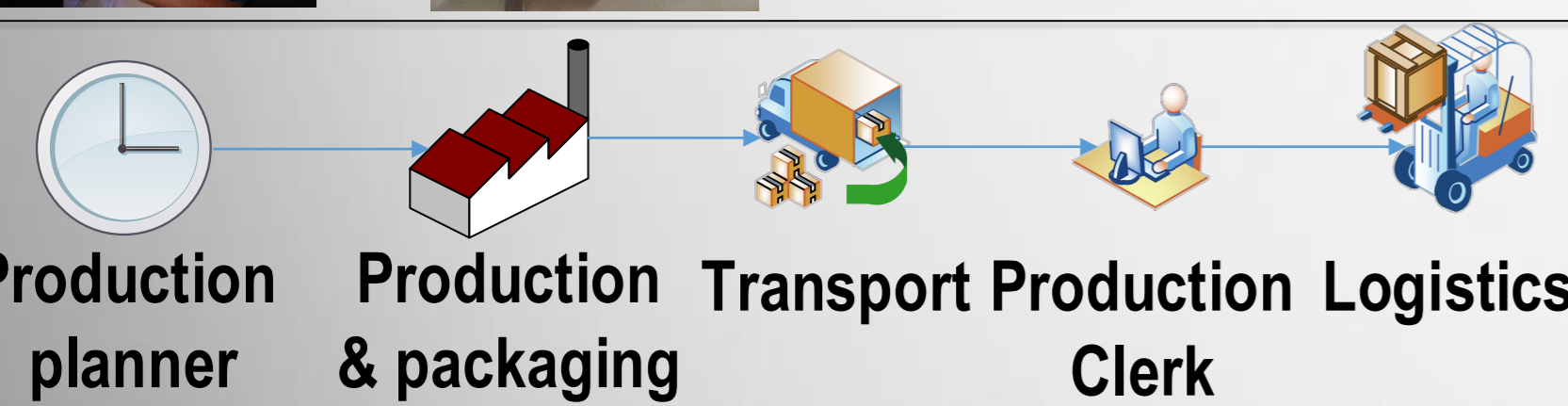
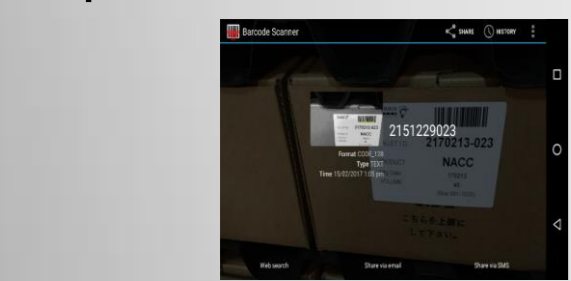


Overview of proposed Outbound transfer architecture via NAV



Issues identified

- Lack of transparency in moving goods.
- Manual ticking of pallets on NAV
- NAV and Red Prairie has to be manually updated.
- No clear record of acknowledgements and advance shipment notices recorded in the NAV.
- CSO charges will be an on-going cost to Burra Foods.



Recommendation

It is suggested to implement RF scanners and automate the processes in the factory environment by replicating the process followed in top warehouse.