



Client Tool Needs :

- Scheduling
- Data Collection
 - ◆ Production scrap
 - ◆ Production run rate
- Travelers
 - ◆ X pcs of Y, where used, RM
 - ◆ (MO1, MO2), FG (CO1, CO2)
- Barcode labels
 - ◆ Labels for box + for product
 - ◆ Label location for warehouse
- Warehouse management system (InControl)
 - ◆ Moves, Adjustments, Inquiry
 - ◆ Shipping/Receiving/Palletizing,
 - ◆ Validation, Shipment Staging
- Work Instructions
 - ◆ Who has tribal knowledge
 - ◆ Existing instruction review
- Business Intelligence
 - ◆ Turns, Cost (COGS), Output vs Input, Adjustments
 - ◆ Inventory and sales history by period

Current State with Client :

1. MO Picklist
2. Manufacturing product (tribal knowledge, handwritten production documents)
3. Print labels (tribal knowledge)
4. Package (P – Loc)
 - *Work Instructions not Approved. want to automate using InControl.
 - *Currently send labels for new jobs by size and instead we want to automate using InControl.

Future State with Client :

1. Master Schedule - work instructions being reviewed
2. Generate a Job packet (included travelers)
3. Manufacturing product (tribal knowledge, handwritten production documents)
4. Report Time and to shop floor software (travelers)
5. Record Scrap (generate scrap tickets, generate box labels)
6. Package (P – Loc)

Business Intelligence - Data Mart

1. Complete Relational Data Mart Design
2. Design and create staging tables & database objects
3. Create views to the current Fourthshift schema and to the staging schema
4. Create data pump to load Relational Data Mart from staging
5. Training on the Data Mart
6. Setup

Step 1 Baseline (understand current reactive workflow and symptoms)

Step 2 Context / Scope (manual project management, cause and effect = > corrective action = > business rules)

Step 3 Improvement

- ◆ Train on trigger & proactive workflow

Step 4 Monitor & evaluate project value increase for each stakeholder: and process stages

For each stakeholder: exception table, KPIs (current, WK, MTD, YTD), "TO DO'S" are on top 10 outliers (or notification/action items if implementing InPerspective)

- Salesman, Customer Service, Materials Manager, Scheduler/Resource Planner, Operations Manager, Shipping Manager, Accounting, Quality Manager

Process stages comprising total lead time consumption

- Processing Time (Buyer/Planner Performance)
- Material Lead Time (Vendor Performance); (Buyer/Planner Performance)
- Inspection Lead Time (Quality Control Performance); (Warehouse Performance)
- Buffer queue time (Planner Performance) Staging Performance (Warehouse Performance)
- Manufacturing Process (Engineering; Shopfloor Operations; maintenance)
- Receipt of Finished good/RTS (Operations; Warehouse)
- Finished Goods Inspection Warehousing (Quality Control; Warehouse)
- Finished Goods Staging (Shipping Manager; Warehouse)
- Transportation (Logistics)