ASCHER'S JANITORIAL SERVICES

Inventory Tracking

OPPORTUNITY

- ✖ 30+ facilities
- ✖ 25+ employees
- ✖ 5 counties

Properly supplied with enough chemicals/equipment/supplies for 1 month

KAIZEN GOALS

- **✖** Decrease run time

- **✖** Increase product rotation

  + (ex. chemicals are discontinues, customers choose to achieve a certification)

- **✖** Achieve improved flow (Pull System)

GO TO GEMBA

INVENTORY HURDLES

- Storage Space
- Chemical names
- Rotation
- Customer requirements
- Gap in time (1-2 weeks)
- Current computer program

- Green items
- MSDS program
- Teammate responsibilities
- Inaccurate inventory
- Short on inventory can't complete job
- Receiving necessary items

- Inaccurate locations of inventory
- Space in the racks
- Wasteful movement of inventory
- Wasteful travel expense
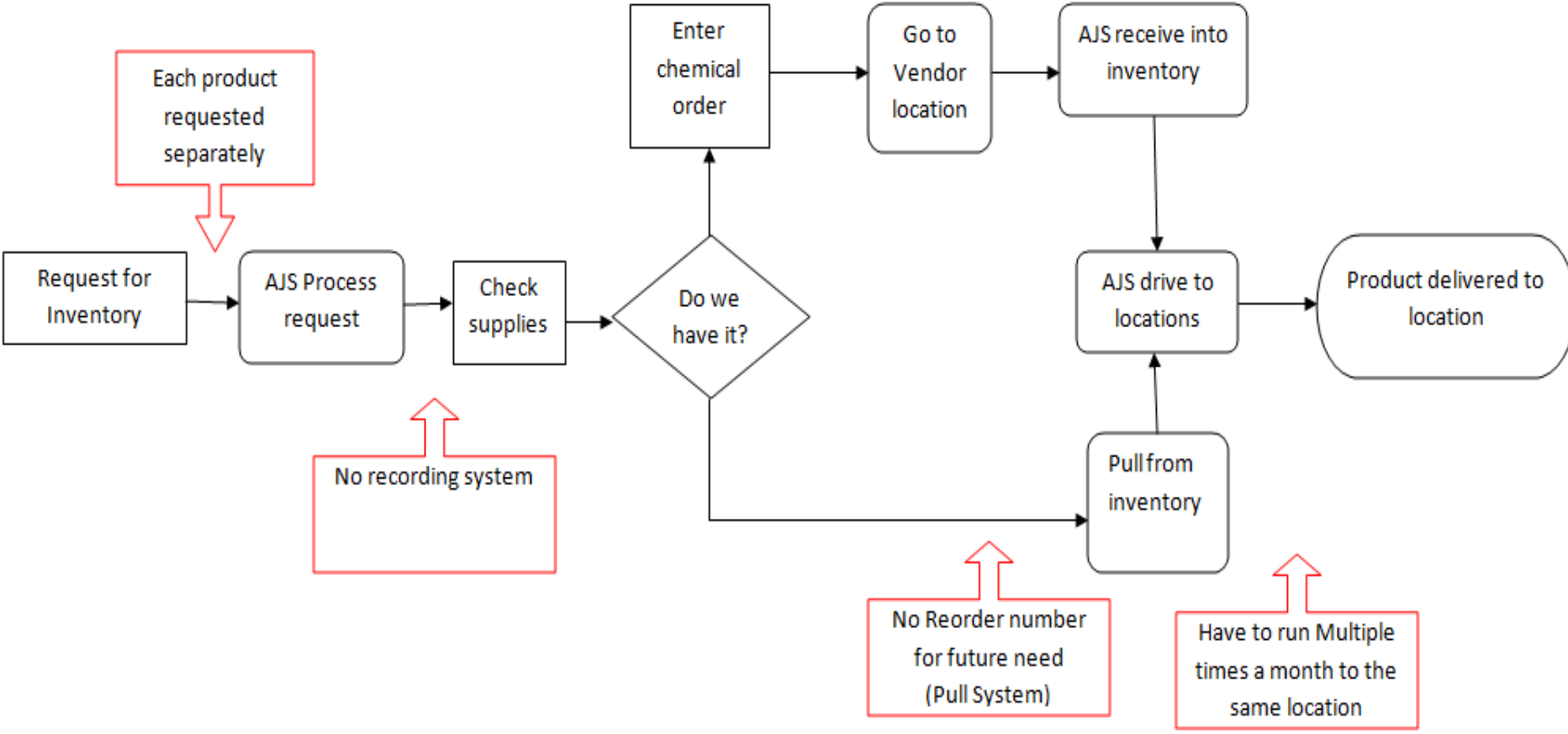- Backordered products
- Labeling all chemicals
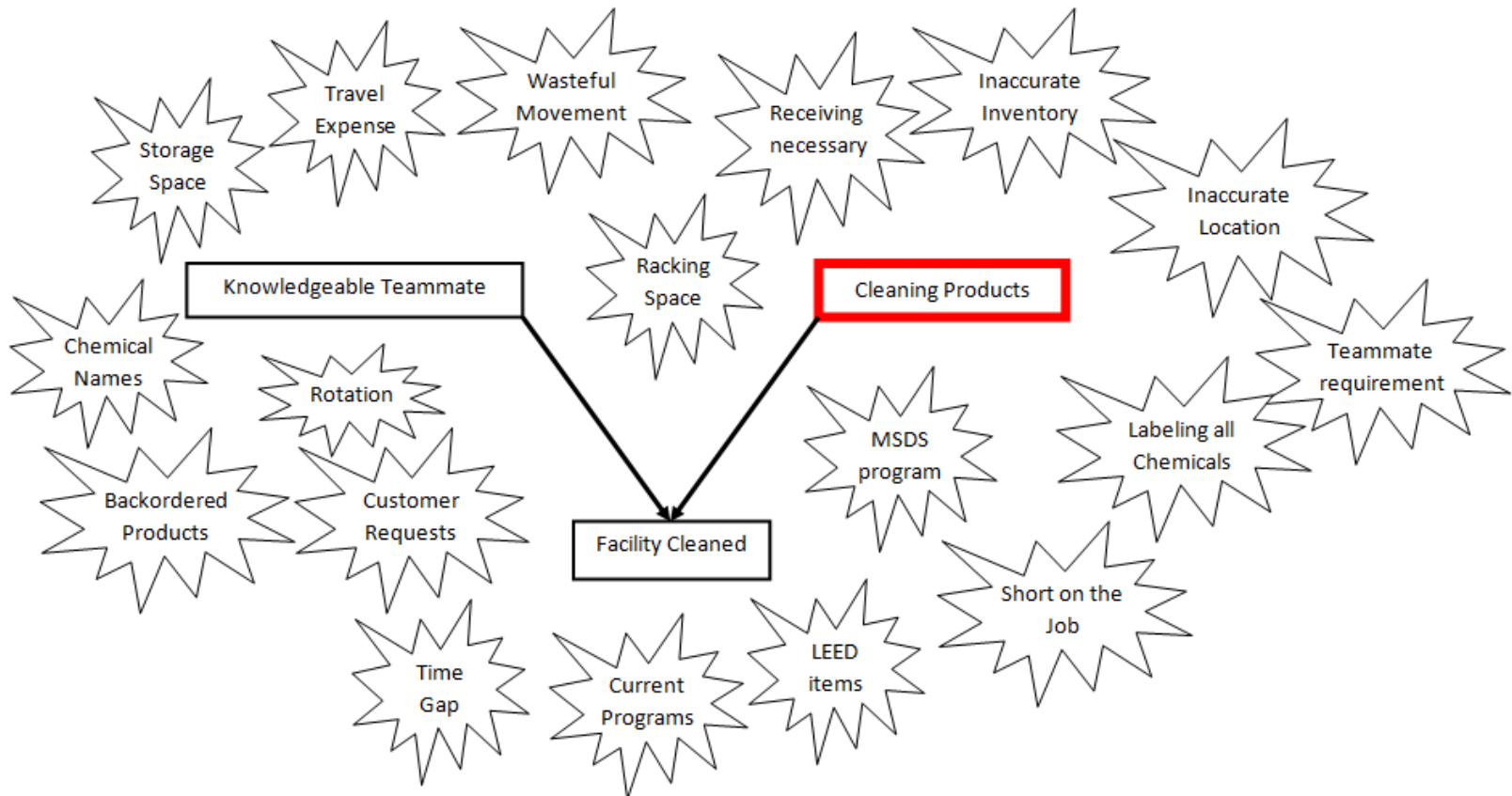
INVENTORY TRACKING HURDLE

✖ No proper computer inventory program that showed

  ➕ Same products in many different locations

  ➕ Usage per location highly varied

  ➕ User friendly (level of computer ability low)
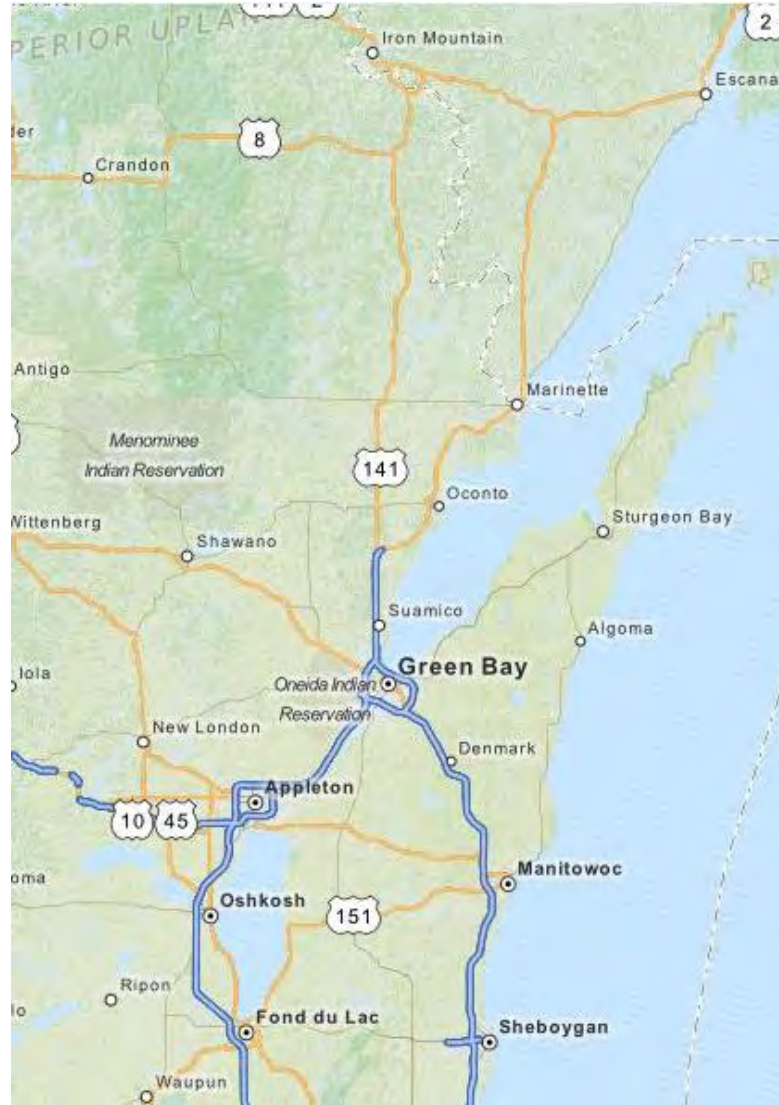
  ➕ Accurate for ordering / accounting of inventory

IMPACT ON AJS BUSINESS

* There is no value to the customer in inventory control

* Inventory control is how a business can improve it's process flow to improve it's impact to the profit

INVENTORY PROCESS FLOW BEFORE

Each product requested separately

Request for Inventory → AJS Process request → Check supplies → Do we have it?

No recording system

Do we have it? → Enter chemical order → Go to Vendor location → AJS receive into inventory → AJS drive to locations → Product delivered to location

Do we have it? → Pull from inventory → AJS drive to locations

No Reorder number for future need (Pull System)

Have to run Multiple times a month to the same location

AJS SERVICE AREA

METRICS BEFORE KAIZEN

Expense

Process	
Wage	(~$310)
Fuel	(~$215)

Time

Process	
Delivery	(~32 Hours)
Drive	(~26 Hours)

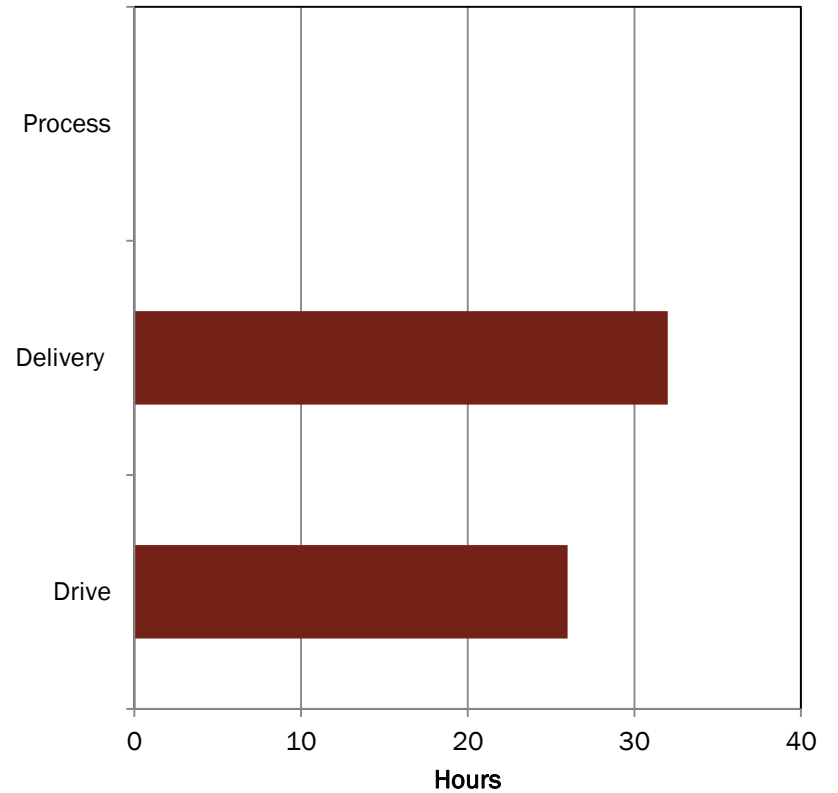Hours
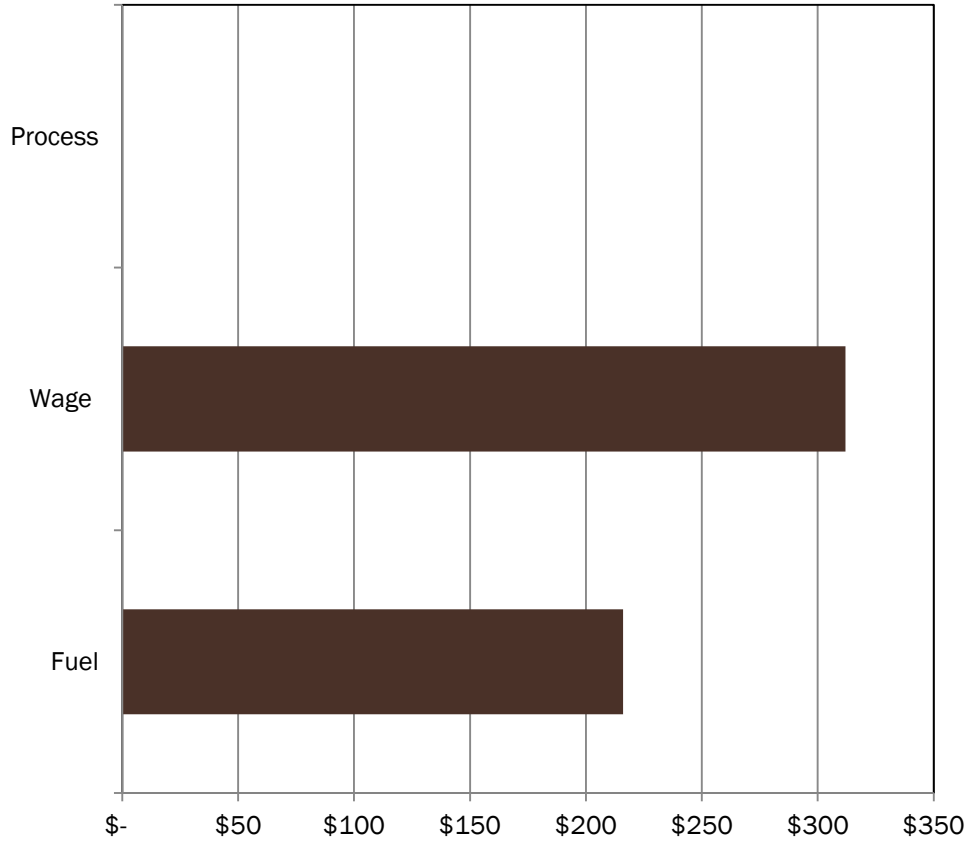
✖ Unknown- Process expense and Time

ACTION ITEMS

- Storage Space
- Chemical names
- Rotation
- Customer requirements
- Gap in time (1-2 weeks)
- Current computer program

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- Green items
- MSDS program
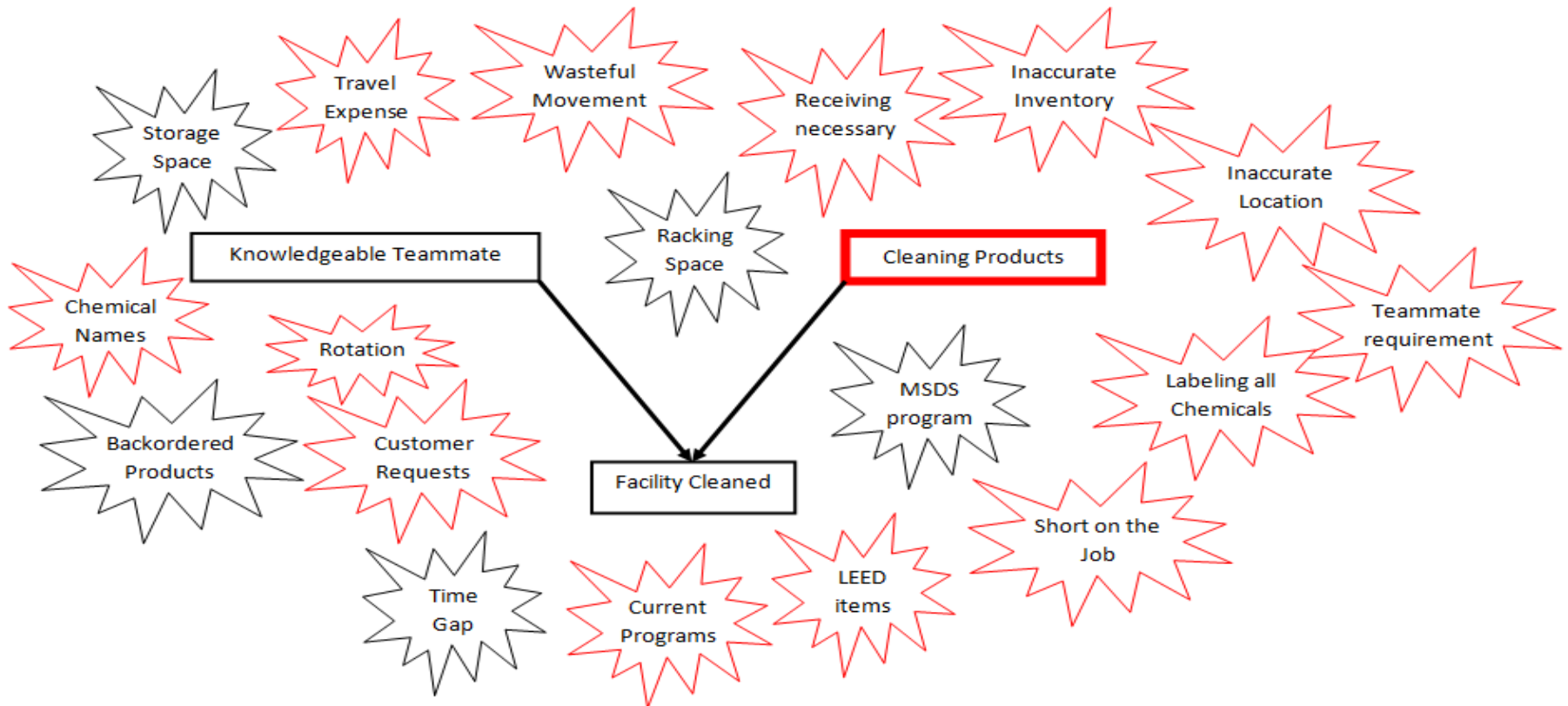
IMPLEMENTATION PLAN

* Get the education and help to make the computer program that fits the business

* Start small…started with paper forms at location, with the ability to go much further

* Make it part of culture, to reference and use this system as part of our job (1-2 years)
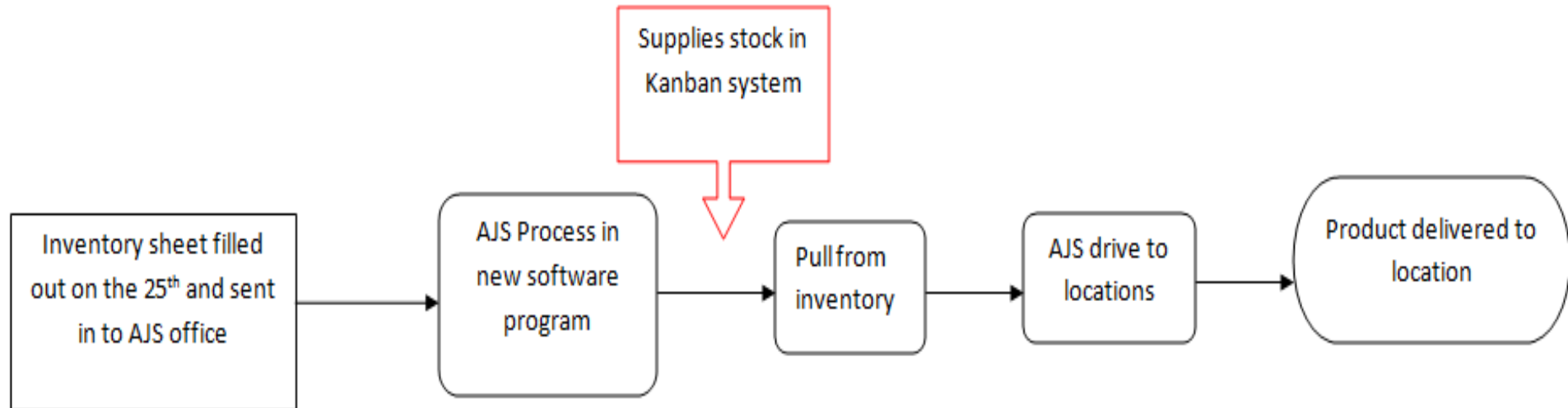
IMPLEMENTATION

× Expert help with programming side

  + Educating ourselves on a new computer options. We did this so we knew enough to be able to know what we needed.

  + Then found a computer programmer to make what we needed.

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INVENTORY PROCESS FLOW AFTER

Supplies stock in Kanban system

| Inventory sheet filled out on the 25th and sent in to AJS office | → | AJS Process in new software program | → | Pull from inventory | → | AJS drive to locations | → | Product delivered to location |

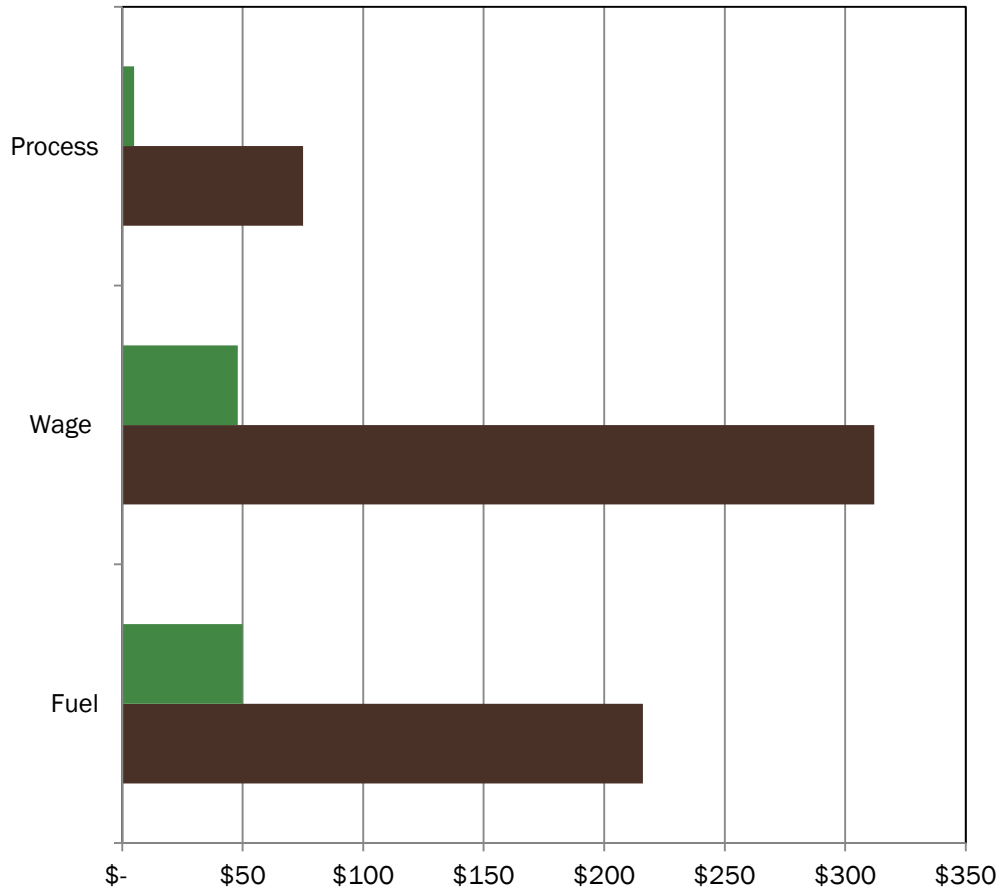# CURRENT STATUS

* We only have to run the program 1 time a month

* We only have to inventory 1 month of product at a time
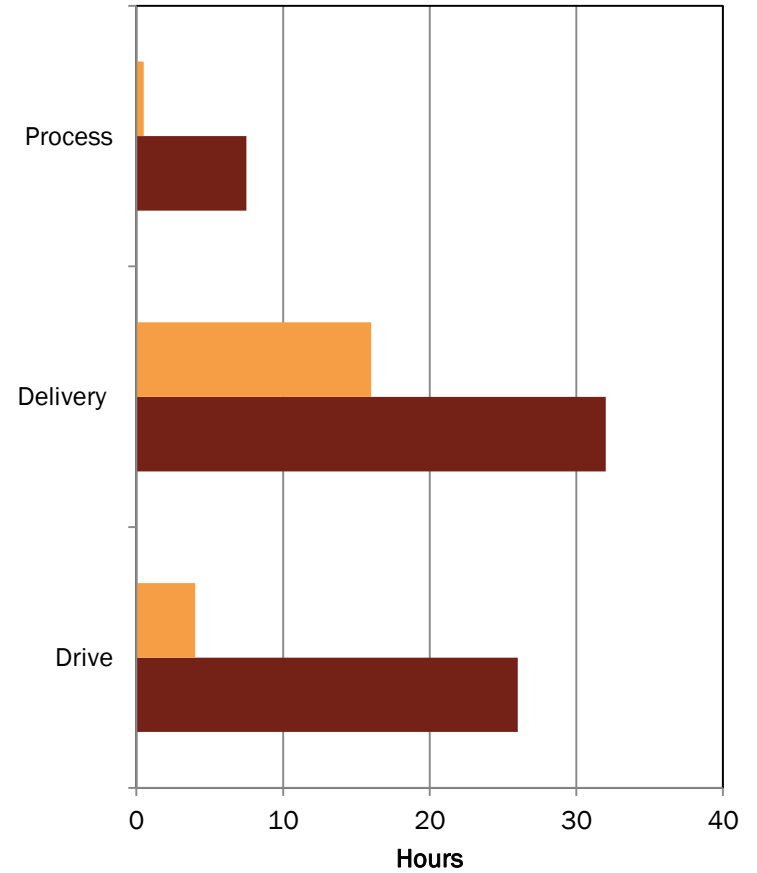
* We know how much product we use

METRICS - AFTER

Expense

Cost Savings = $500 / month

Time

Time = 45 hours / per month

UNEXPECTED OUTCOME

* We can tell when inventory walks off

* We have a standardized inventory
  + Increase bidding accuracy
  + Streamlines new location start-ups

* Helps us keep MSDS books up to date for every location

CHALLENGES EXPERIENCED

* No computer program that did what we needed

* Coming up with a form that was easy to understand and still accomplished the goal

* Repetitive data entry

CONTINUOUS IMPROVEMENT

Process Flow improvement = Repetitive Data Entry

▸ Started by entering every product for every location every month
  ▸ Repeating data entry (15 minutes per location each month)

▸ Continuously improve – Process Flow
  ▸ How do we use the information that was already in there once
  ▸ Cut our inventory data entry (1 minute per location each month)

▸ Before Kaizen 15 minutes of processing

▸ After Kaizen 1 min of processing

Savings of $70.00 on Data entry alone per month.

MONTHLY INVENTORY SHEET

Monthly Inventory

Location	Last Inventory Date	Number On Hand	Delivered	Product Code	Product Description	Current Inventory Date	Current Number on Hand	Comment
	4/24/2012	1.75		B5332	24 x 24 Can Liner (7-10 gal) W			
	4/24/2012	1.5		B8166	38 x 60 Can Liner (55 Gallon) W			
	4/24/2012	1.75		B9995	33 x 40 Can Liner (33 Gallon) W			
	4/24/2012	0.75		C1170	Wood Cleaner 20 oz.			
	4/24/2012	1.25		C1526	Clorox Bathroom Disinfectant Cleaner			
	4/24/2012	0.75		C1635	Dust-up 20 oz.			
	4/24/2012	0.75		C2644	E.I. Toilet Bowl Cleaner (Qt.)			
	4/24/2012	0.5		C4647	409 Glass & Surface Cleaner			
	4/24/2012	0.25		C5042	Stainless Steel Cleaner 20 oz.			
	4/24/2012	0.5		C5957	Trax Buster			
	4/24/2012	0		C6542	Spicy Cinnamon Air Freshener 7 oz.			
	4/24/2012	0.5		C7380	409 Cleaner Degreaser Disinfectant			
	4/24/2012	0.5		C7667	Clorox Disinfectant Spray			
	4/24/2012	0.25		C8798	Cinnamon & Spice Air Freshener 10 oz.			
	4/24/2012	0.5		C8966	Clorox Toilet Bowl Cleaner			
	4/24/2012	1		E1343	Trash Barrel Tote (gray)			
	4/24/2012	1		E1437	Dry Mop 60" Wood Handle			
	4/24/2012	1		E2985	Extension Duster 52" - 84"			
	4/24/2012	1		E4103	Trash Barrel w/ Yellow Apron			
	4/24/2012	1		E4192	Upright Vacuum			
	4/24/2012	1		E4394	Wet Mop Handle 54"			
	4/24/2012	1		E4549	Wet Floor Sign			
	4/24/2012	1		E5272	Dry Mop Frame 24"			
	4/24/2012	1		E6446	Portable Caddy for Supplies			
	4/24/2012	1		E7179	Cell Phone			
	4/24/2012	1		E7190	Measuring Cup			
	4/24/2012	1		E7630	Extension Duster 30" -42"			
	4/24/2012	2		E8629	Step Stool			

CONTINUOUS IMPROVEMENT

- ✖ Kanban
  - ➕ Re-order system implanted

  - ➕ Cards
    - ✖ Number needed on shelf
    - ✖ Re-order amount
    - ✖ Re-Order Vendor

CONTINUOUS IMPROVEMENT

- ✖ Lost Inventory Sheet

- ✖ Standardize measurement system

- ✖ Inaccurate report by employee

QUESTIONS?

Ascher's Janitorial Services, LLC.