Alpha Presentation
Supply Chain Induction Visibility Using Witron
The Capstone Experience
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From Students…
…to Professionals
Project Overview

• Meijer
  ▪ Large Superchain in Midwest US
  ▪ 270+ Stores

• Warehouse Induction Problem
  ▪ Workers lack clarity on pallets
  ▪ Two separate Databases of information

• Dashboard Solution
  ▪ Real Time Data Display of Induction Stats
  ▪ Included Admin Page for stats on all stations
System Architecture

The Capstone Experience

Team Meijer Alpha Presentation
Induction Dashboard
Warehouse display
Vendor Sorting

Vendor Name: PHOENIX FOOD LLC
Pallet #: 10120850
Weight: 1723.1
Quantity: 292

Vendor Name: PROCTER GAMBLE HOME CLEANERS
Pallet #: 10123842
Weight: 42492.63
Quantity: 2,518

Vendor Name: KEHE FOOD DIST INC
Pallet #: 10121519
Weight: 9401.4
Quantity: 853
Pallet Search

# Pallet Tracker

Track the status of your pallets in real time.

<table>
<thead>
<tr>
<th>Purchase Order</th>
<th>Name</th>
<th>Successful</th>
<th>Successful No Errors</th>
<th>Weight</th>
<th>Rejected</th>
</tr>
</thead>
<tbody>
<tr>
<td>123101</td>
<td>Pheonix Foods</td>
<td>190</td>
<td>100</td>
<td>4829</td>
<td>50</td>
</tr>
<tr>
<td>284912</td>
<td>Aldi</td>
<td>170</td>
<td>110</td>
<td>347</td>
<td>60</td>
</tr>
<tr>
<td>745828</td>
<td>Zone</td>
<td>200</td>
<td>140</td>
<td>2444</td>
<td>80</td>
</tr>
<tr>
<td>848381</td>
<td>Alto</td>
<td>185</td>
<td>120</td>
<td>521</td>
<td>60</td>
</tr>
<tr>
<td>195831</td>
<td>Field Max</td>
<td>5</td>
<td>2</td>
<td>821</td>
<td>2</td>
</tr>
</tbody>
</table>
Induction Overview

Station 1
Total Pallets: 647800
Pallets Per Minute: 1.32

Station 2
Total Pallets: 647800
Pallets Per Minute: 5.2

Station 3
Total Pallets: 647800
Pallets Per Minute: 2.42
What’s left to do?

- Getting Actual Data From Meijer
  - Still using mock data for our database
  - API setup to compile data, need data for testing
  - Worker / API

- Improve Admin Pages
  - Be able to display more relevant info of pallets / Combine Pages
  - Create real time access for Admin
  - Mobile Support

- Finalize Database Schema

- Deployment to Azure
Questions?