Driving Real-Time Food Safety Reporting and Accountability Through Digital Plant Management

Presented by:
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Has spent his career delivering technology solutions to enterprise and industrial environments. In accounting, healthcare, and telecommunications he has brought digital solutions that modernize business.

For the last decade he has worked bringing industrial automation and connectivity to manufacturing space. Chris has partnered and delivered solutions from industry leaders Rockwell Automation, Cisco, Wonderware, Panduit, and others. At SafetyChain, he brings the product knowledge and functionality expertise of our platform to our clients and manufacturing industries at large.
Realizing Impactful Outcomes

1. Understanding the Challenge
2. Where is the data we need?
3. How does SafetyChain work?
4. Delivering Real-Time Data, delivers Big-Time Outcomes
# Top Challenges for Process Manufacturers

<table>
<thead>
<tr>
<th>Labor &amp; Productivity</th>
<th>Data Issue</th>
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<tbody>
<tr>
<td>Downtime</td>
<td>Lack of visibility &amp; real time data undermines performance</td>
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<tr>
<td>Inconsistent Throughput</td>
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<tr>
<td>Start-Up &amp; Changeover Delays</td>
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<tr>
<td>Overtime</td>
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<td>Buried in Paper</td>
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<thead>
<tr>
<th>Yield</th>
<th>Front Line Issue</th>
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<tr>
<td>Waste &amp; Shrink</td>
<td>Disconnected teams &amp; unempowered front line workers delays problem resolution</td>
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<tr>
<td>Giveaway, Overpack</td>
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<td>Rework</td>
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<table>
<thead>
<tr>
<th>Compliance</th>
<th>What are your top challenges?</th>
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<tr>
<td>Product Holds</td>
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<tr>
<td>Time Consuming Audits</td>
<td></td>
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<tr>
<td>Supply Chain Risk</td>
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<tr>
<td>Customer Requirements &amp; Complaints</td>
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Where Are Your Biggest Challenges?

SafetyChain Provides **Real Time Visibility to Hit Production Targets**

- Downtime?
- Missed production goals?
- Overtime?
- Labor shortages?
- Scrap / Waste / Rework?
- Giveaway?
- Product Holds?
- Customer Complaints?
- Lack Visibility & Data?
- Compliance Certifications?
- Supplier Quality?
How the Platform Works

Platform
- In-Process Quality
- Process Variability (SPC)
- Downtime Tracking
- Pre-Shipment Reviews
- Regulatory & Programs
- Audits & CAPA
- Lab Testing
- Master Sanitation
- Customer Complaints
- Preventative Maintenance
- EH&S
- Document Management
- Receiving Inspections/Grading
- Supplier Management
- Production Performance (OEE)
- + More

Mobile
(iOS + Android)

Work Station
(Windows)

Empower the Front Line
Production | Maintenance | Sanitation | Quality | Safety | Receiving | Packaging | Compliance

SAFETYCHAIN

IoT Hub

MES / SCADA
Data Automation

Sensors

APIs

ERP / PLM / Specs

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<table>
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<tr>
<th>Food &amp; Bev</th>
<th>CPG</th>
<th>Chemicals</th>
<th>Packaging</th>
<th>Plastics</th>
<th>Processing</th>
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<tbody>
<tr>
<td>ABInBev</td>
<td>Country Maid</td>
<td>Rich's</td>
<td>Seafood Triumph</td>
<td>United Food Group</td>
<td>TMI Training</td>
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<td>Blue Bell</td>
<td>King &amp; Prince</td>
<td>Rossina</td>
<td>Whole Foods</td>
<td>MSI Express</td>
<td>LA Tourangelle</td>
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<td>Trusted by Manufacturers in over 2,000 facilities</td>
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Proven Results

Throughput

- Realtime SPC lead operators to improving line Cpk by 400%, saving "several $100ks/yr.
- 9x ROI
- Improved WIP visibility reduced problem blends and rework.
- >$1M savings over four years.
- “SafetyChain paid for itself 27,000x over!”

Yield

- Visibility and control drove $5.4M / yr reduction in overpack.
- $20M annualizable savings in 2022 “and counting” from weight control

Compliance

- >$100k/yr from decreased customer complaints
- 75% reduction in Pre-Shipmen Review time

Labor

- 20% reduction in QA team labor overtime
- 70% improvement in labor efficiency, saving >$200k/yr at one plant
- $130,000/yr labor savings realized across Quality, Operations and Sanitation teams.
Demonstration
Stop by and see us at Booth #207!