



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

Presented by:  
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# Chris Harrison

Senior Sales Engineer, SafetyChain Software

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 .



Industrial Automation

Digital Transformation/Industry 4.0

Information/Operations Convergence

Cybersecurity for Industrial and Infrastructure

Manufacturing & Safety Standards

Industrial Networking

Converged Plant-wide Ethernet Methodology

# 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

## Labor & Productivity

- Downtime
- Inconsistent Throughput
- Start-Up & Changeover Delays
- Overtime
- Buried in Paper

## Yield

- Waste & Shrink
- Giveaway, Overpack
- Rework

## Compliance

- Product Holds
- Time Consuming Audits
- Supply Chain Risk
- Customer Requirements & Complaints

## Data Issue

Lack of visibility & real time data undermines performance

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## Front Line Issue

Disconnected teams & unempowered front line workers delays problem resolution

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**What are your top challenges?**

# 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

iOS Android  
**Mobile**  
(iOS + Android)

Windows  
**Work Station**  
(Windows)

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

 **SAFETYCHAIN**

**APIs**

**ERP / PLM / Specs**

**IoT Hub**

**MES / SCADA  
Data Automation**

**Sensors**





# Trusted by Manufacturers in over 2,000 facilities

Food & Bev

CPG

Chemicals

Packaging

Plastics

Processing



# 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-Shipment 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



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