# Quality is Everyone's Responsibility in the Supply Chain

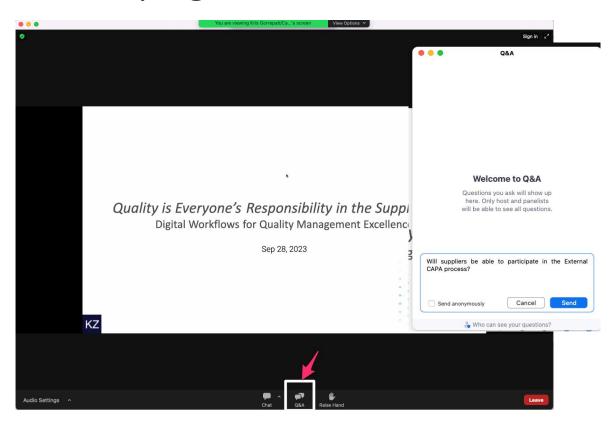
Sep 28, 2023



# Agenda

- Quick Housekeeping
- ☐ Introductions
- Cross-functional Quality Management and Challenges
- Workflow Based Approach to Cross-functional Quality Management
- Case Study
- □ Demo
- □ Q&A

# **Quick Housekeeping**





## **About Cambrian Lab**

### Team

Supply Chain, New Product Introduction, and Technology Experts from SAP, Samsung, Siemens, GM, Ford, Applied Materials

### **Expertise**

- New Product Development/Introduction, Supplier Development, and Quality Management
- Enterprise and Supply Chain Technology (ERP, SCM, Manufacturing, CRM, Sourcing, Finance)

### **Industries**

Automotive, High-tech, Semiconductor Equipment, Medical Devices, Consumer Products (From Fortune 100 to Start-ups)

### Locations

**SF Bay Area**, Detroit, Boston, Houston

## Our Mission

To Make

Quality is everyone's responsibility

- W. Edwards Deming

A Reality in the Organization and the Supply Chain

# Panelists Today

### Kris Gorrepati

- 20+ years experience in New Product Development and Introduction and Supply Chain Manufacturing
- SAP, Samsung, Ford, Caterpillar
- Auto, High-tech, Software
- Michigan Tech (Mech Engg.), UCLA

### Manish Mathur

- 20+ years experience in PLM, Business Analytics, Software Engineering
- GM, Ford, Siemens PLM, Cap Gemini
- Auto, High-tech, Software
- Michigan Tech (Elec Engg), Walsh College

# Cost of Poor Quality >>>> Cost of Achieving Good Quality





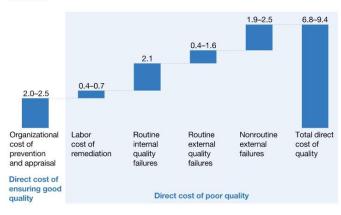
# Cost of Poor Quality

For the first nine months of 2020, Ford's warranty costs totaled \$3.87 billion, while

GM's were \$1.68 billion, according to regulatory filings.

The direct cost of quality in the medical device industry is \$26 billion to \$36 billion annually.

% of sales1



1Estimated annual sales of \$380 billion.

McKinsey&Company | Source: Health Research International; McKinsey analysis

paperwork, often slowing down efforts to address issues. The result: Today's CAPA process consumes significant resources— case studies of participating organizations have indicated that it could be around 1% of a company's revenues!



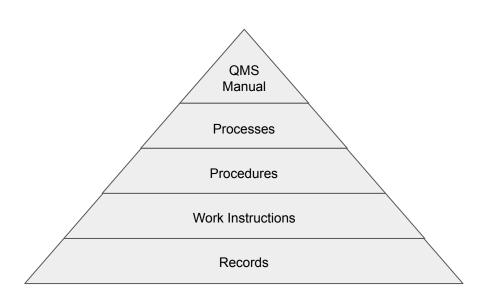
### Not uncommon to feel as if

- Quality Management is primarily a Documentation Exercise
- Quality is the Responsibility of Quality Department
- Stakeholders have Limited Visibility and Control to Ensure Quality Issues are Addressed in a Timely and Effective Manner

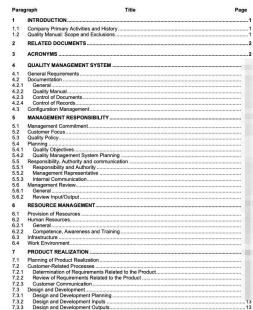
"The only real mistake is the one from which we learn nothing."

- Henry Ford

# Quality Management is primarily a Documentation Exercise

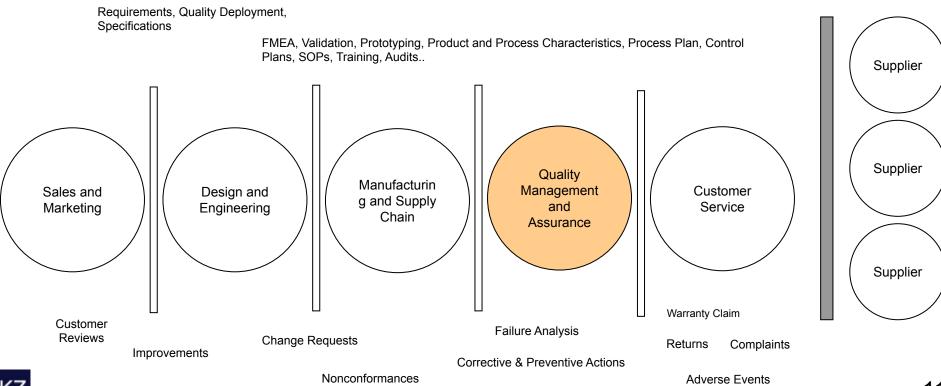


#### TABLE OF CONTENTS



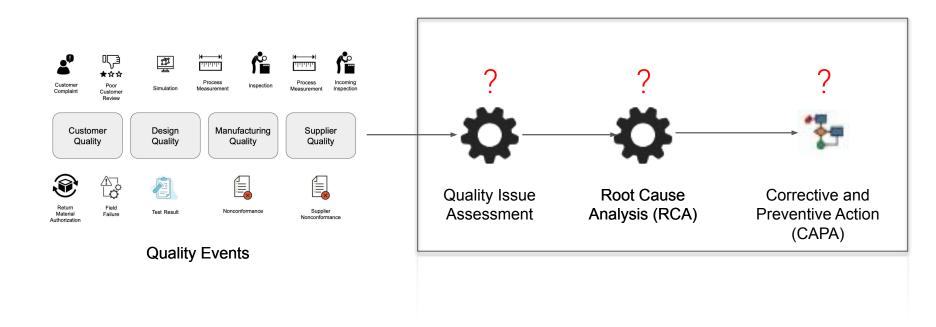


# Quality is Responsibility of Quality Department



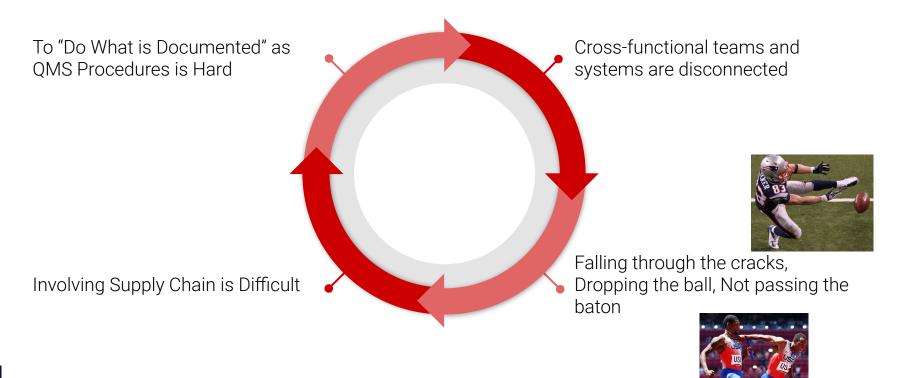
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# **Limited Visibility and Control**





# Why Making "Quality is Everyone's Responsibility" Remains a Challenge



# The Answer - Cross-functional Workflows to make "Quality is Everyone's Responsibility" a Reality

Quality Workflows that can be started by anyone and any system

Quality Workflows connected to ERP, MES, PLM, Supply Chain systems

Flexible and Adaptable

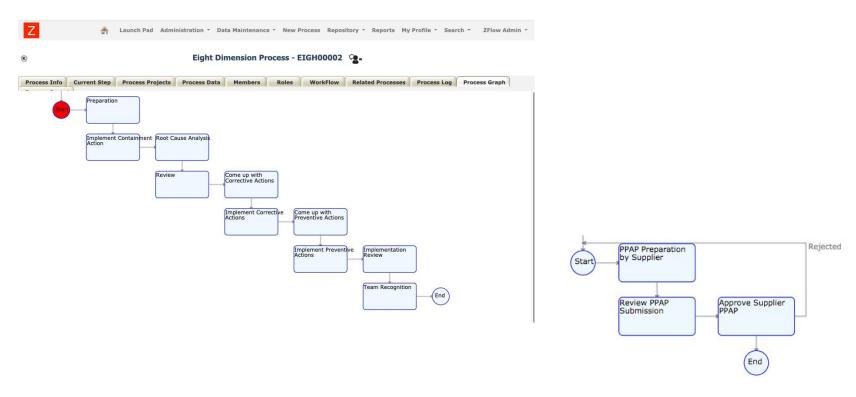


Proactively Involve Right People at the Right Time

Include Supply Chain

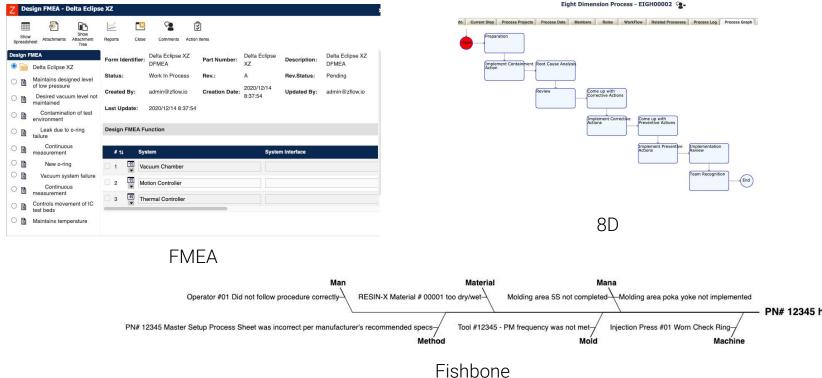
Integrate quality tools and techniques into workflows

# Workflows that Naturally Keep People, Process and Systems in Sync Support for Industry Standard and Company-specific Quality Management Processes

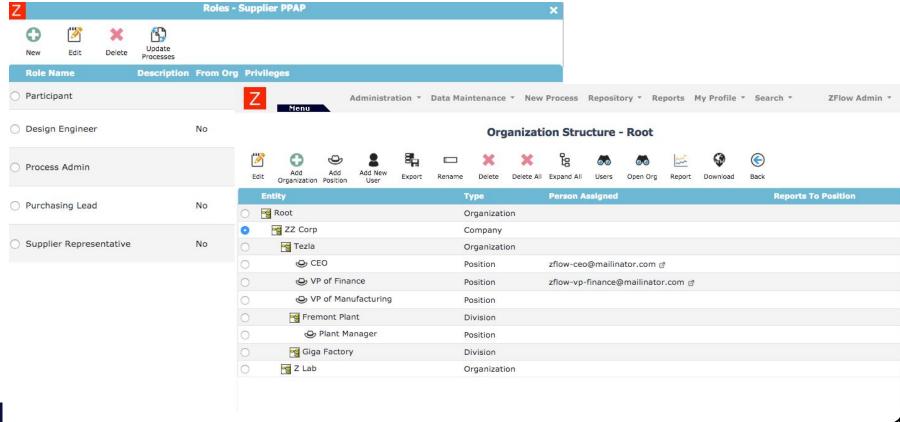




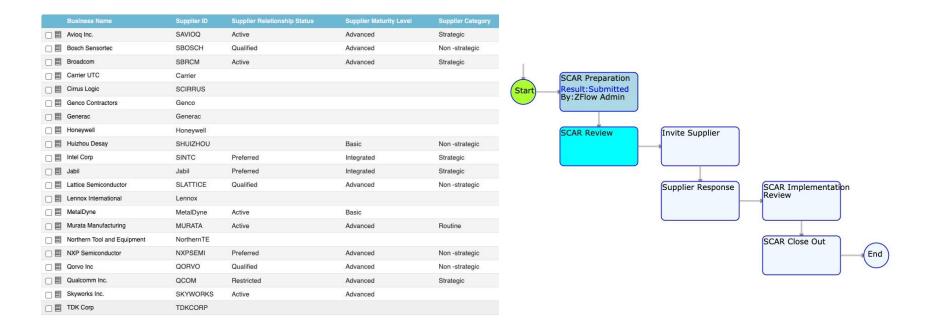
# Integrated and Effective Techniques as part of Quality Workflows



## Cross-functional Team Collaboration

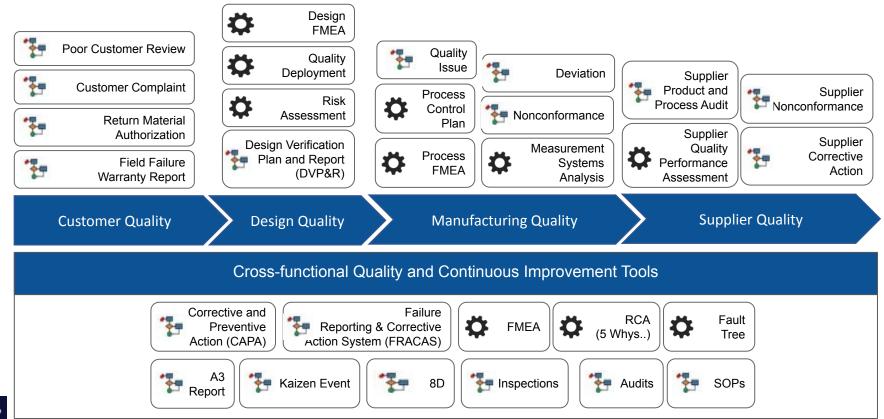


# Easy and Secure Supply Chain Collaboration





## Quality is Everyone's Responsibility - A Few Examples

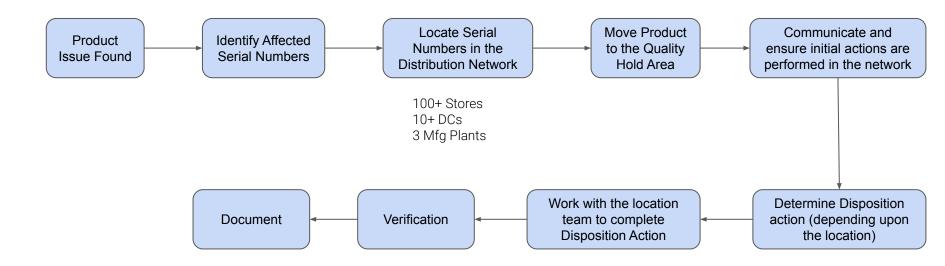


# Agenda

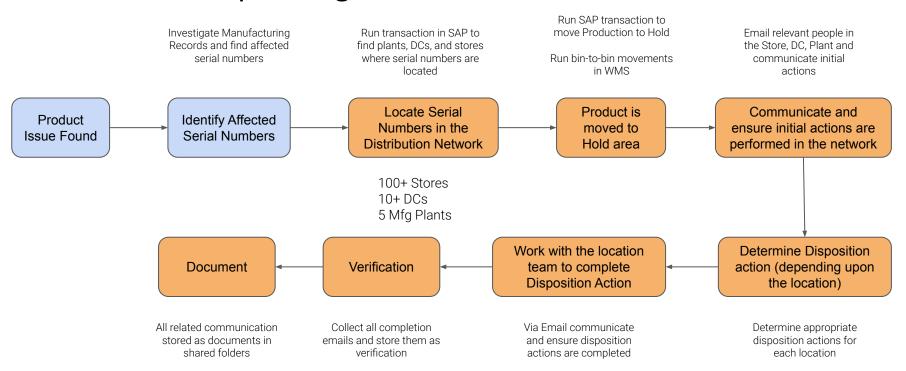
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## Case Study Overview

Manufacturer needs to act fast to move non-conforming product (so that it does not end up with customers) from various distribution nodes (Stores, DCs, and Manufacturing Plants) to support immediate actions, fixes and eventual disposition



# **AS-IS Standard Operating Procedure**

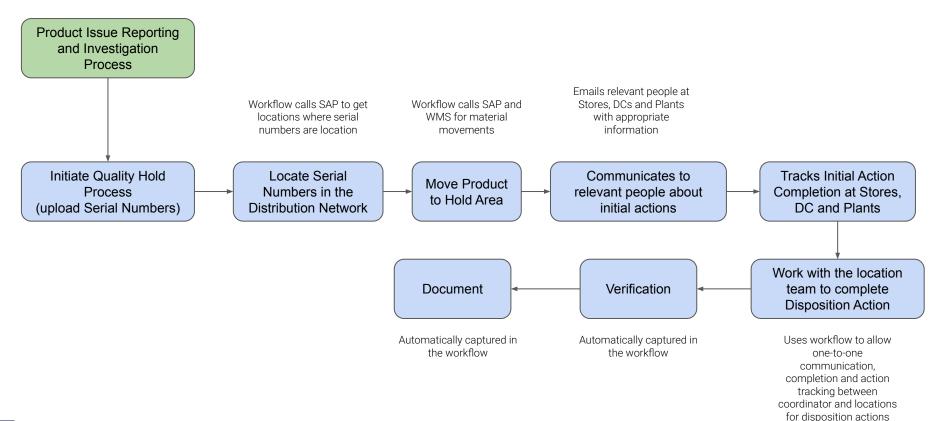


3-6 month project

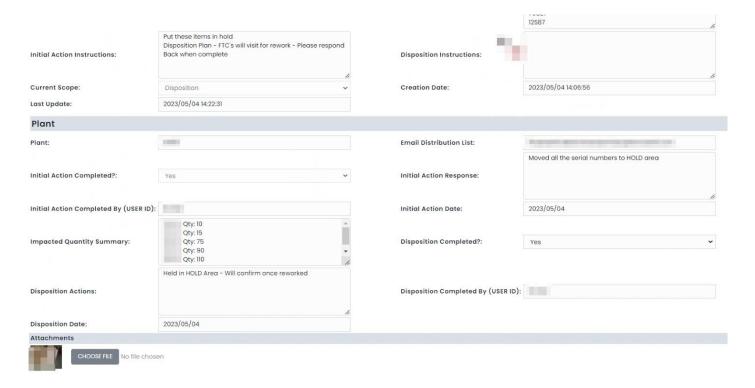
**20 -50** people involved

**High chance of defective product making it to customers** if not done in a timely manner **Very expensive and damaging to the brand** if not resolved in a timely and effective manner

# Digital Workflow Based Standard Operating Procedure



# Workflow Allows bidirectional communication and coordination of initial actions, fixes and eventual disposition





# Agenda

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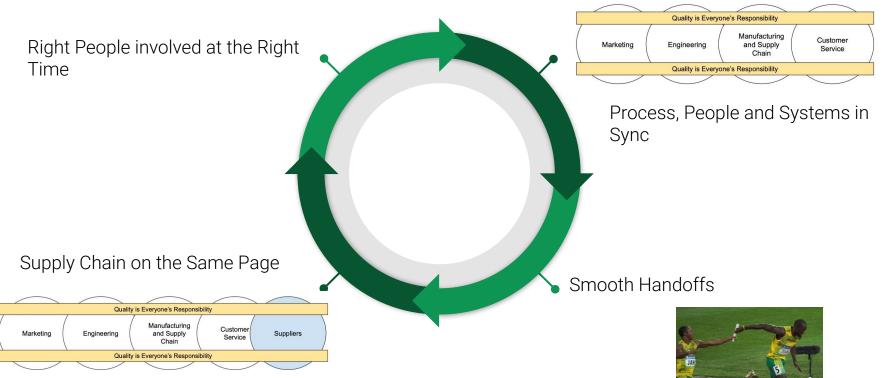
# Demo

No Quality Issue left Behind

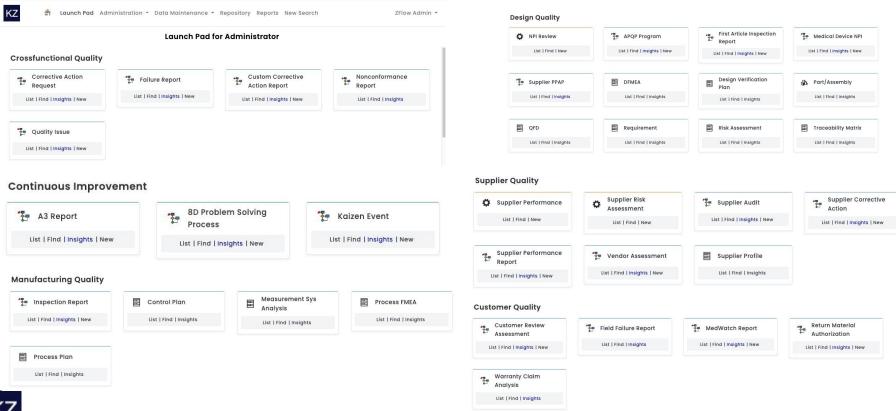
Supply Chain Engagement

Industry and Company-specific Quality Management Workflows

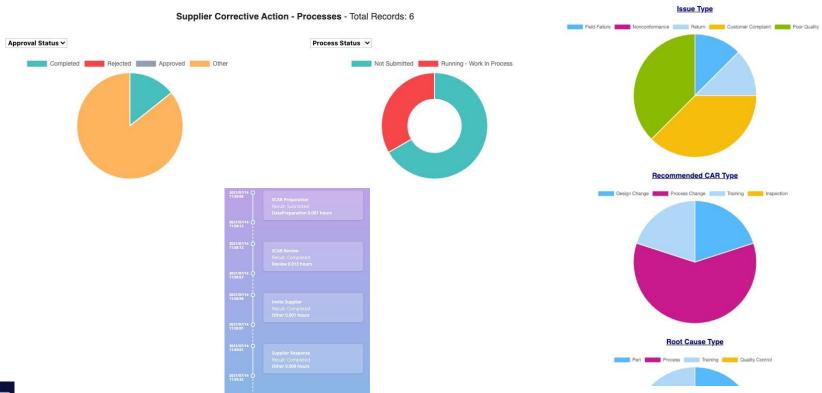
# Digital Workflows Make "Quality is Everyone's Responsibility" a Reality



# Ready to Use Cross-functional Quality Workflows, Tools, and Techniques

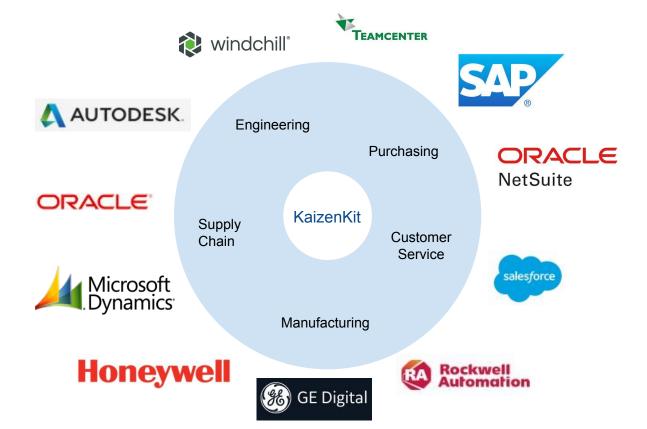


# **Quality Process Visibility and Control**





# Rich Capabilities for Integrating to ERP, Engineering, Manufacturing and Supply Chain Applications





# Summary

- ☐ Proven success in many industries
- ☐ Easy to adopt and loved by users
- ☐ Easy to get started

Free Trial

Free Pilot

# For More Information

https://www.kaizenkit.io

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