Jason Anderson
Field Engineering Director

SQA Services 2014 - Present

- 9 years providing Clients with project based technical solutions
- Supply chain and manufacturing specialist
- Extensive background with special special processes, gap assessments, assessments, auditing, consulting, consulting, inspection and metrology

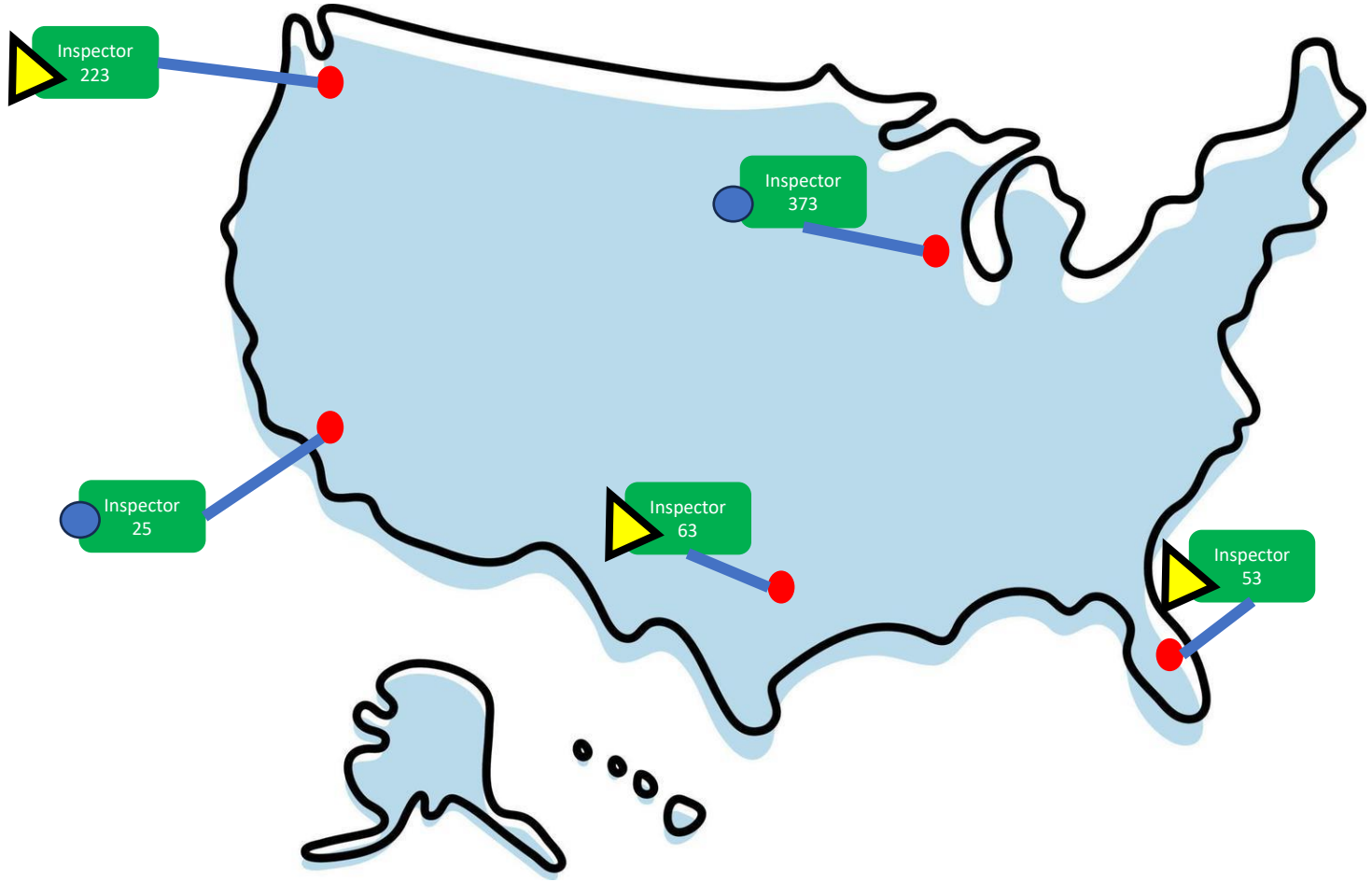
Disruptive Technologies in Quality. Advancing the Digital Transformation Journey with quality… .

… .putting technology to work in the field…

…. being present in the now, looking back at the trail, and defining the horizon

PROBLEM STATEMENT

Consistency of inspection process across teams of 30+ inspectors throughout the US



ESD
4 Critical Dims
Special Processing

Machined
14 Critical Dims
NDT Cert

Inspection management and control

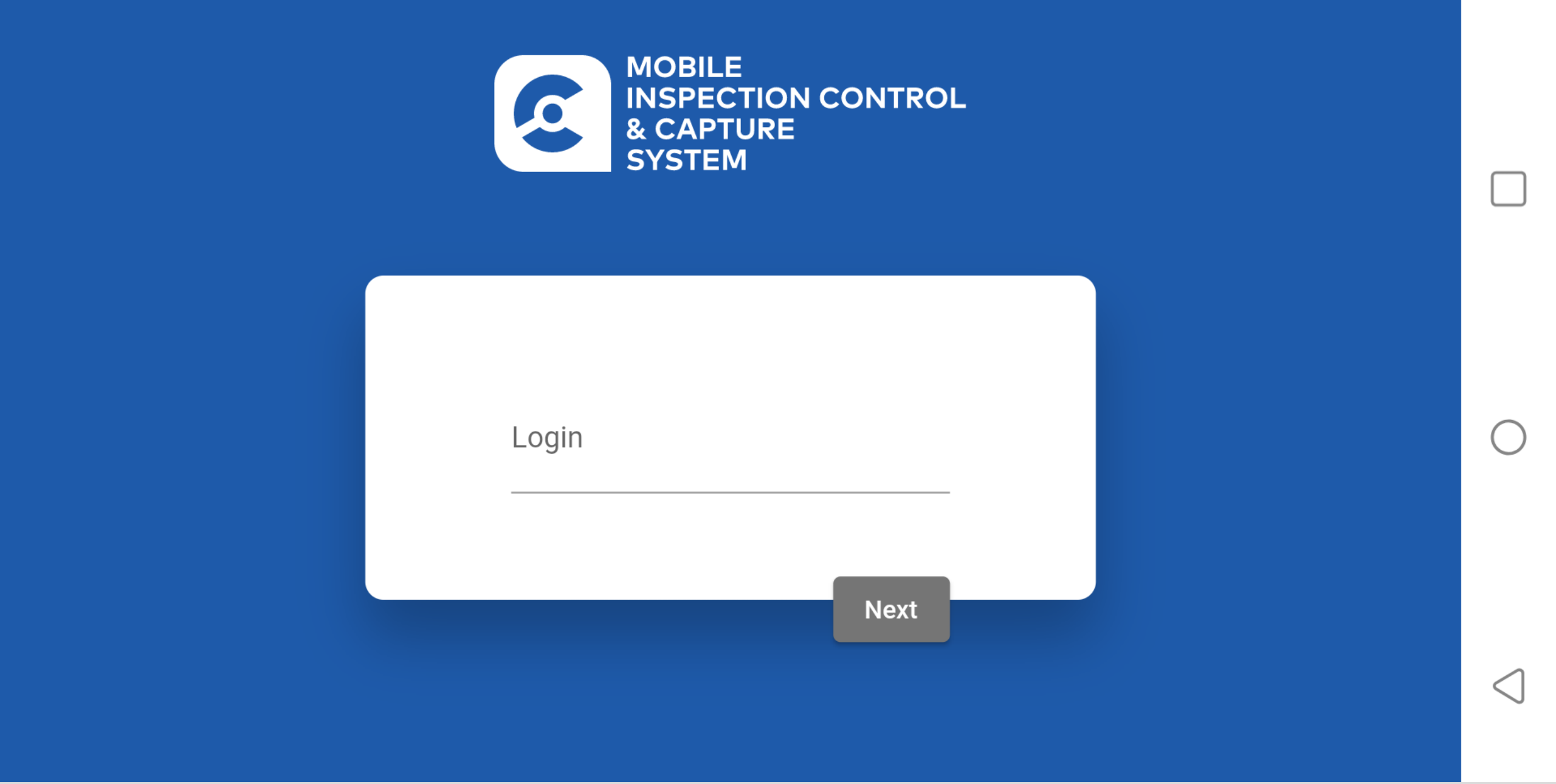
- Identify what data to capture
- Understand Failure Mechanisms associated with inspection process
- Understand what is critical to the Client
- Design and plan for Human Factors

Integration of systems to provide a solution

- Internal Business System – STEPQ
- Client based Program Specific systems
- Solution

“One-Stop-Shop solution”

- Mobile
- Secure
- Control of inspection process
- Error proofing
- Capture and share inspection results in real time
- Access to Client documentation
- Access to current revisions of specifications
- Incorporation of specific inspection requirements
- Adaptable
- User friendly

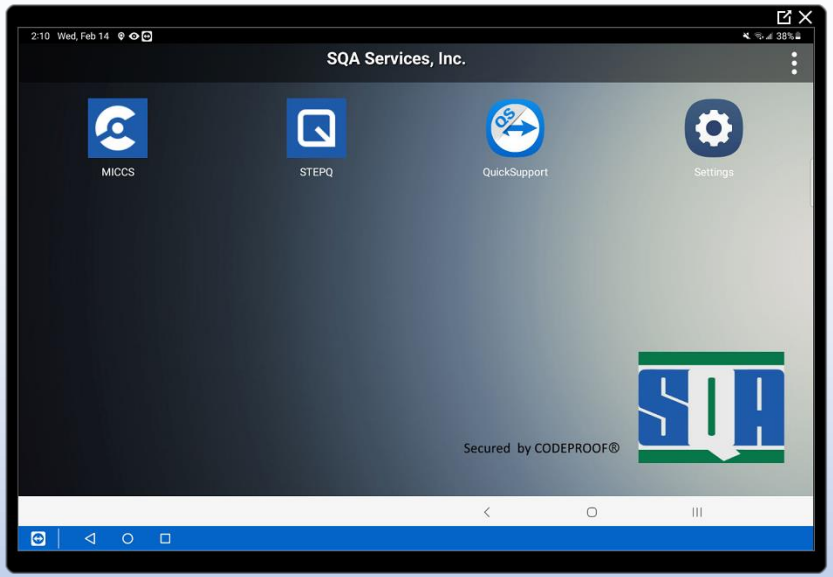

MOBILE
INSPECTION CONTROL
& CAPTURE
SYSTEM
Login
Next

THE ROAD TO ZERO DEFECTS: SQA MICCS

Mobile
Inspection
Capture and
Control
System (MICCS)

Hundreds of tablets currently deployed

Multiple different inspection checklists



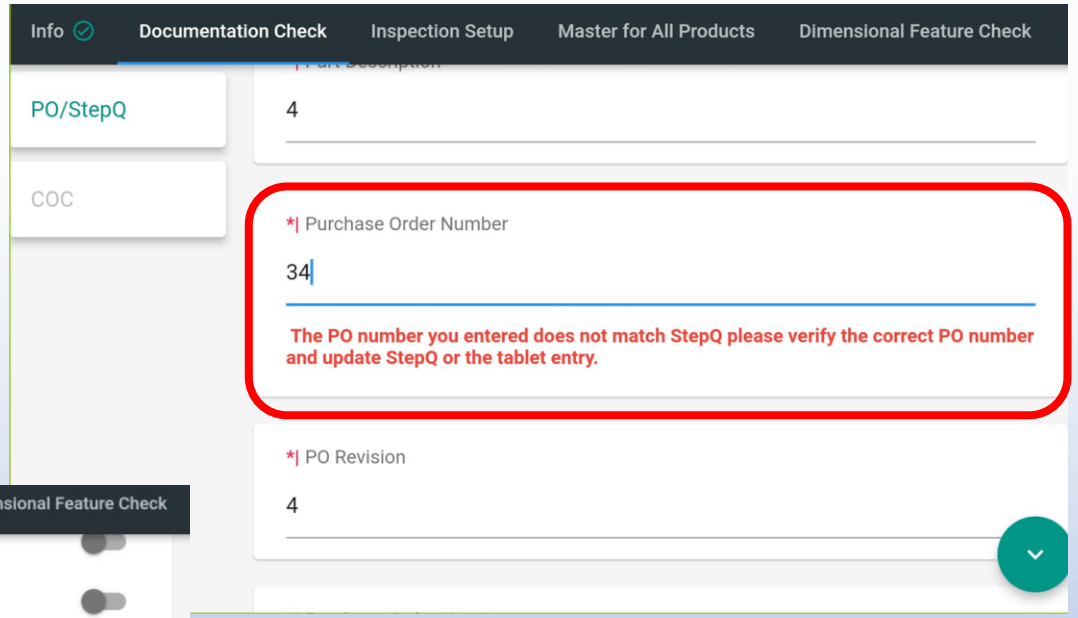
As a tool for handling individual inspections, the MICCS application is an extension of a larger SQA system called STEPQ.

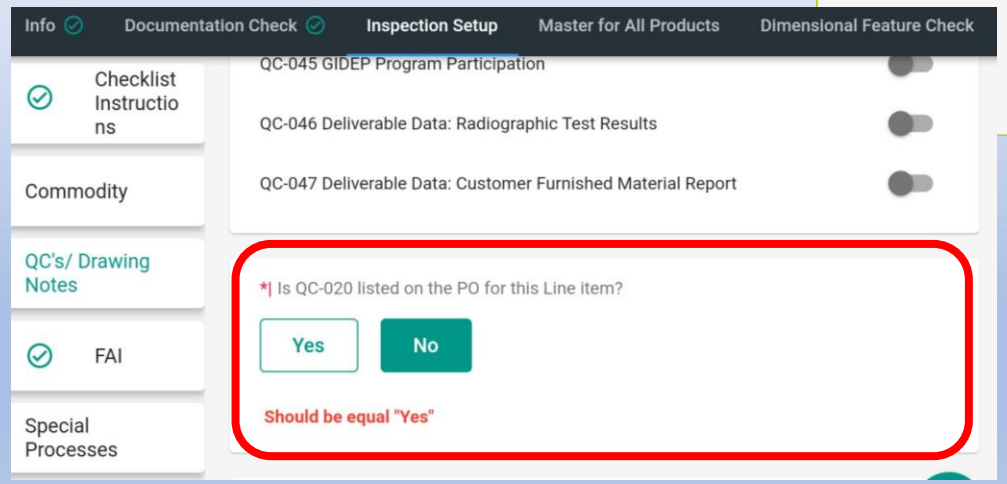
STEPQ coordinates inspectors with their inspection tasks, including timing, location, and specific parts.

While MICCS handles individual inspections, STEPQ consolidates and produces metrics from all SQA inspection activities for the world's leading aerospace, hi-tech, and med-tech companies.

Poke-yoke data inputs and program requirements

- STEPQ Data (Part number/PO/etc.) validated during inspection
  - Reduction in “clerical errors”



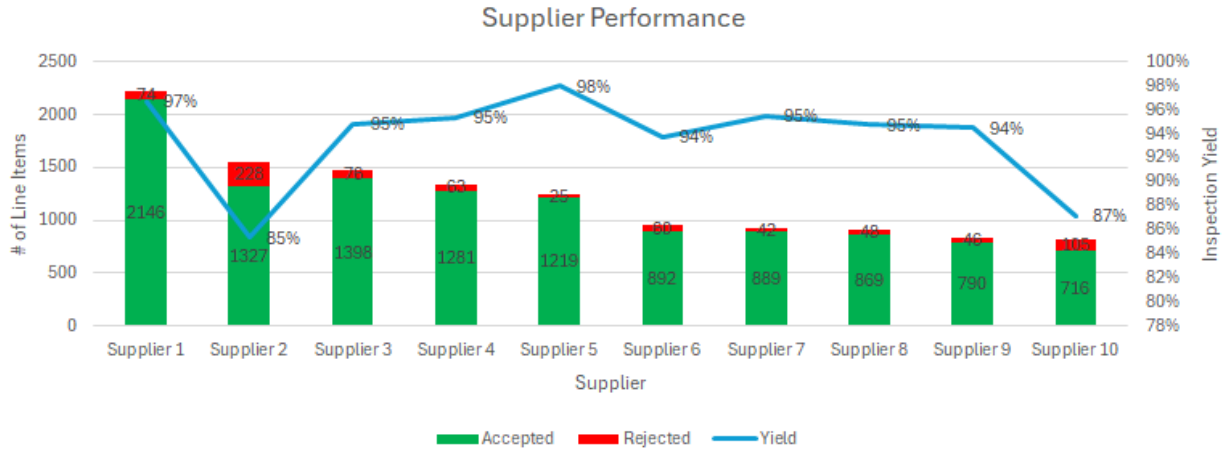


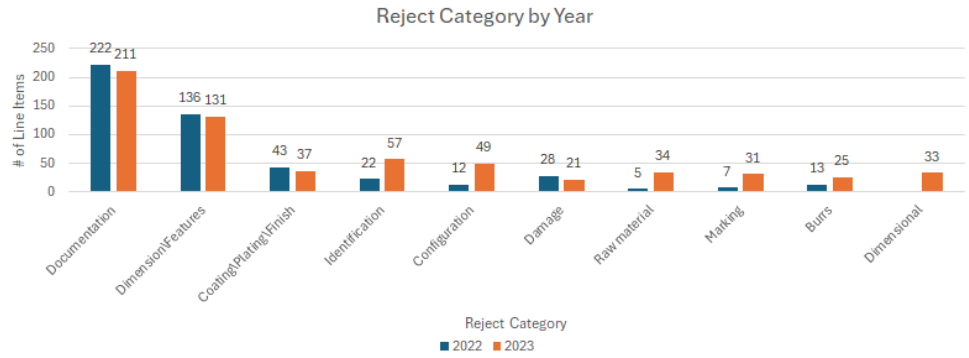
- Program Requirements within the checklist are validated
  - Consistency between inspections

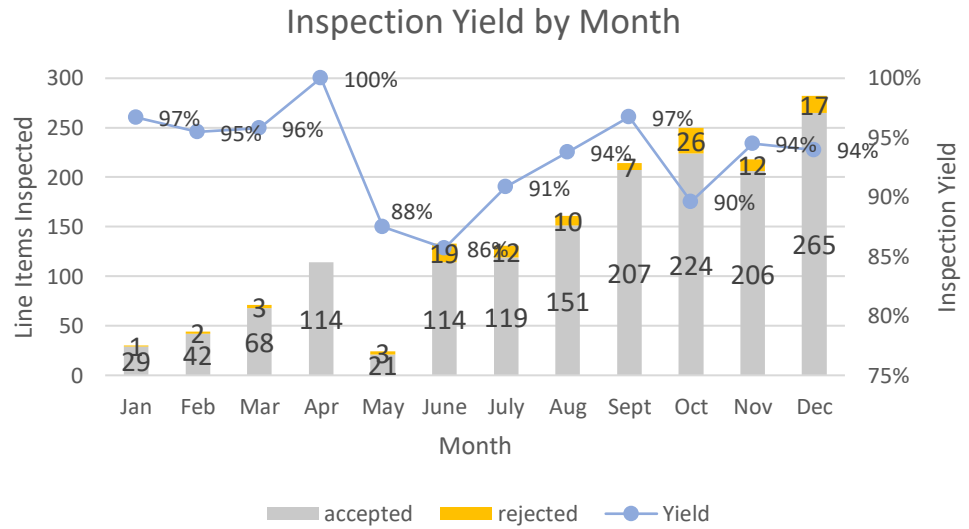
ACTIONABLE DATA

Program Insights:

- Supplier performance
  - Pass/Fail percentages
  - Supplier capability
  - Raw data results
- Manufacturability
  - Nonconformance trends across Supply base by part number
  - Nonconformance trends across the program
- Inspector performance
  - Pass/Fail percentages
  - Inspection Audit report
  - Compliance to requirements



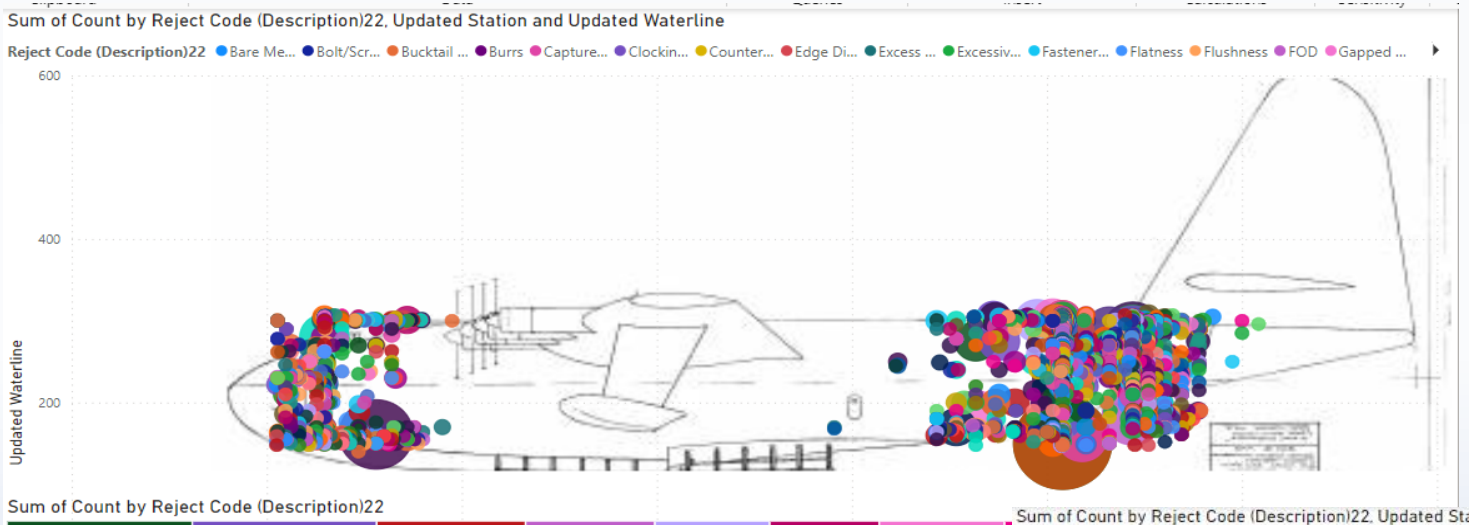


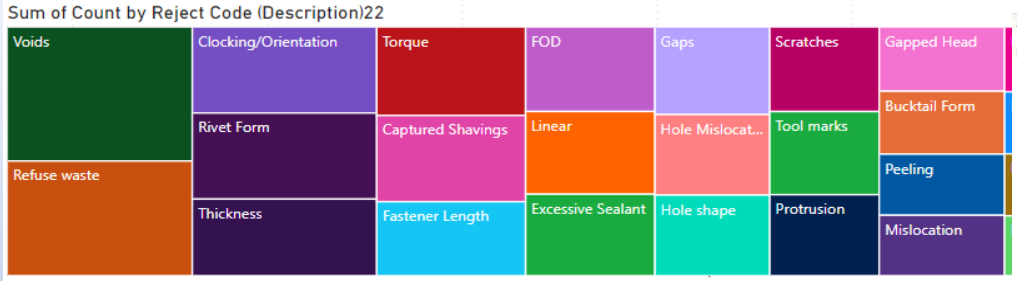


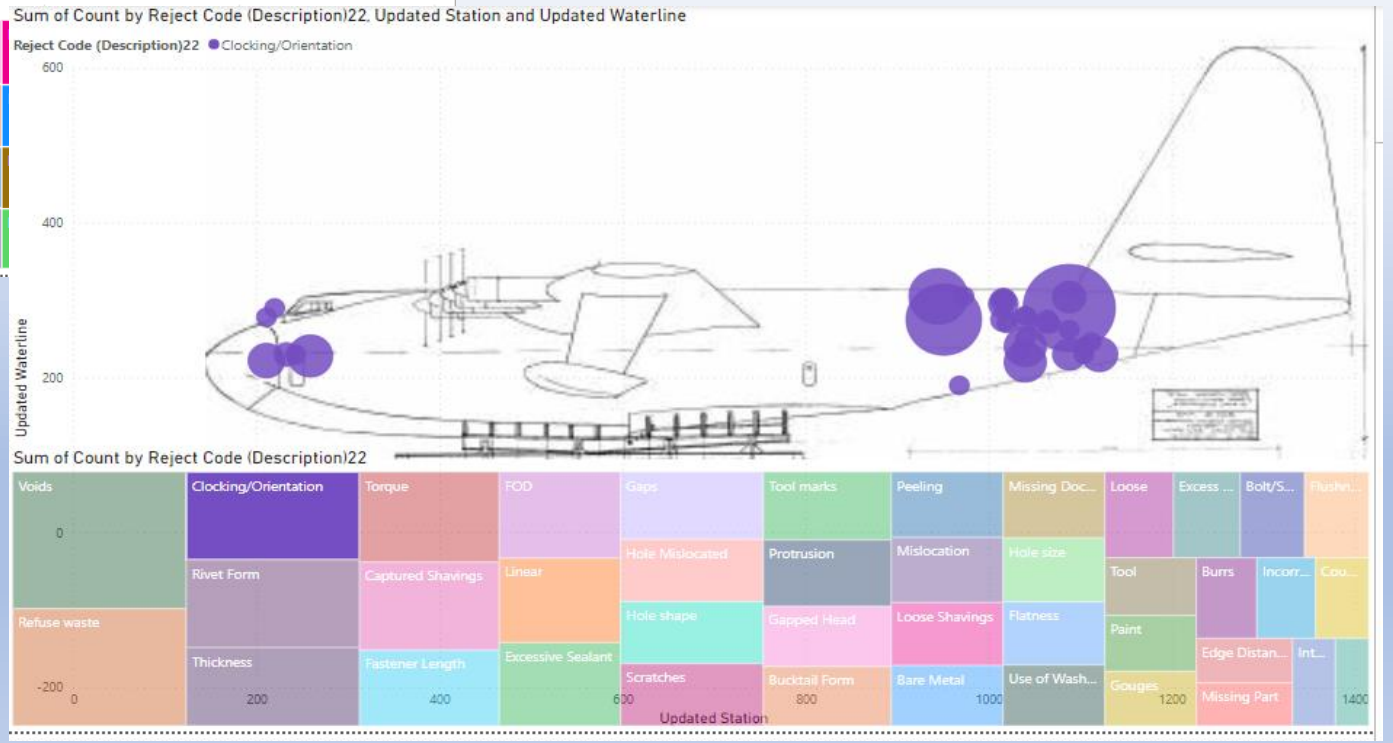
BEYOND THE HORIZON

Supplier Recovery and Process Inspections

- Fully customizable to specific program needs
- Process, Inspection, containment



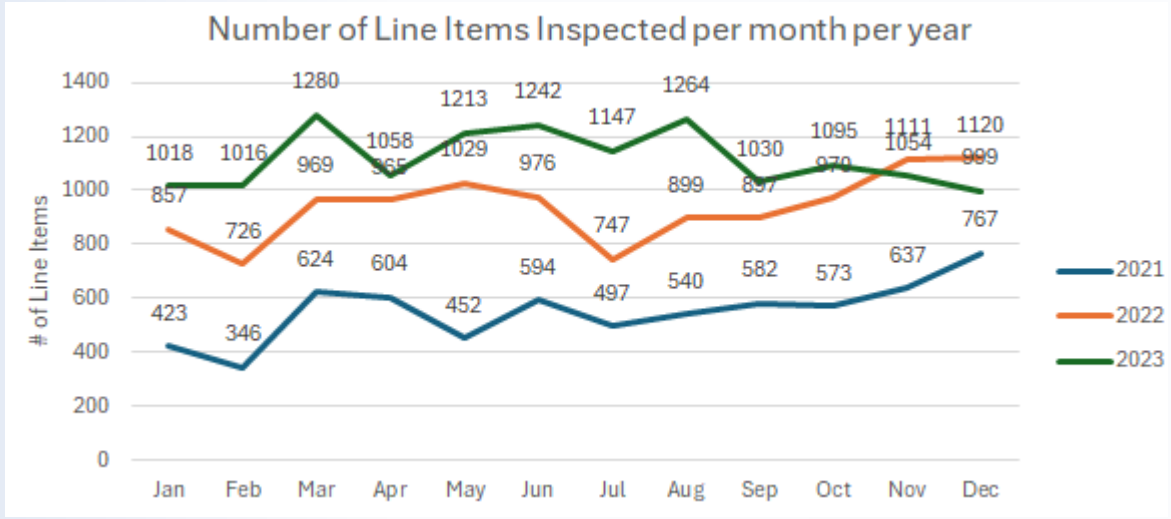


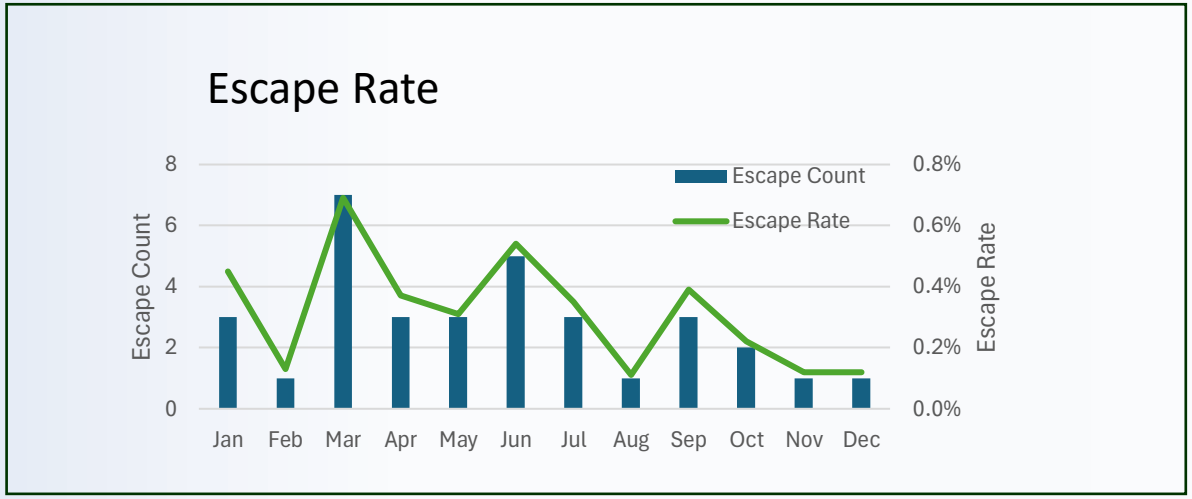


Example Source Inspection Programs:

- Client A – 7 years
  - Escape rate less than 1%
  - Millions of parts inspected
  - 60 inspectors
  - 100+ inspections a day at peak

- Client B – 2 years
  - Escape rate less than 1%
  - 100+ inspections a week
  - 35 Inspectors





MICCS live Demo

THANK YOU!!