

Driving Continuous Improvement

Managing Billions of Operational Results
With Smarter-Than-Paper™ Data Collection,
Robust Collaboration and Comprehensive Analytics

Introduction

- Mission: Drive continuous improvement through an enterprise scale / integrated DIY MES platform for operations, collaboration & analysis
- Industrial Strength: Proven shop floor user interfaces and integration with Automated / IoT devices and ERP to a cloud-scale repository
- ROI Driven: Up and running in weeks, average payback in months
- Over 100 years domain expertise within management team ensures ongoing best-practices for our client partnerships
- Trusted global partner to award-winning clients in construction, transportation, environmental and durable goods industries

AIMSCO

AIMSCO Platform Overview

- Intuitive, browser-based, multi-language operations interface
- Cloud-based, hybrid and on-premise deployment options
- Multi-site, multi-plant, and mobile ready; globally deployed
- Consolidated repository of diverse quality & operations data
 - Data acquisition from automated, ERP, IoT, and manual sources
 - Fully integrated with standard industrial API's
 - Compliance, progress, utilization, materials and process tracking
- DIY analytics: dashboards, scorecards, notification







AIMSCO

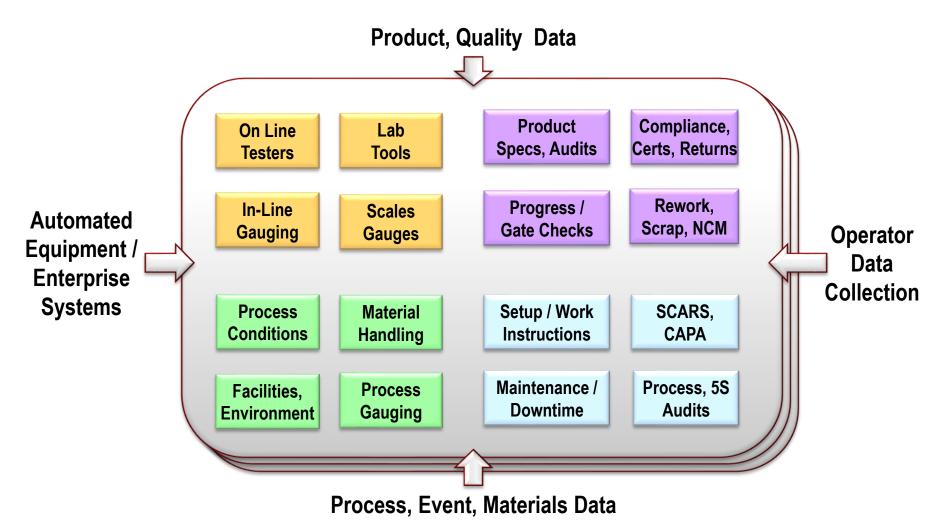
AIMSCO Combines Enterprise Strength with DIY, Ad-Hoc Agility





End-to-end Traceable Data Collection

Common Tools & Repository Unify Operating Silos, Cross-Enterprise



Comprehensive Industrial Operations Framework

Powers Lean, Six Sigma, 5S, World Class Manufacturing

PRODUCTION OPERATIONS

- ✓ Progress Tracking
- ✓ Online Work Instructions
- ✓ On / Offline / Hold

IN-PROCESS QUALITY

- ✓ Variable, Attributes, SPC
- ✓ Rework / Repair / Contain
- ✓ Visual Quality, Sampling

SUPPLIER / FIELD QUALITY

- ✓ Incoming Inspection
- ✓ Corrective Actions
- ✓ Scorecards, Portal

EQUIPMENT INTERFACE

- ✓ Collectors / Controllers
- ✓ Process / Test / Alarm
- ✓ Integration Tools / APIs

MATERIAL TRACK & TRACE

- ✓ Material Used vs. Standard
- ✓ Lot / Serial Control
- ✓ Non-conforming Material
- ✓ Feeder / Supplier Flows

OEE / LEAN UTILIZATION

- ✓ Downtime / Cause Tracking
- ✓ Run Rate vs. Standard
- ✓ Daily Checks, Maintenance
- √ 5S, Process Audits, CAPA

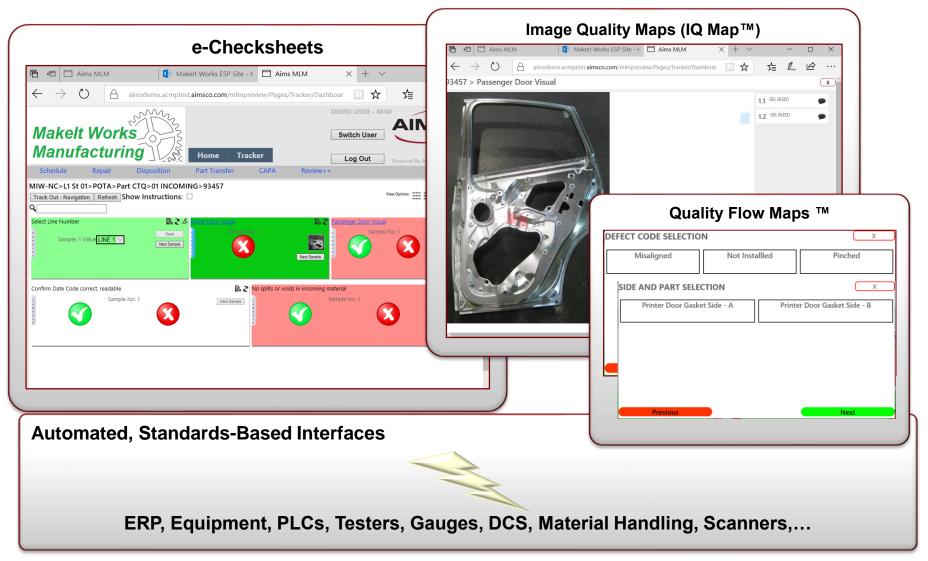
ENTERPRISE INTEGRATION

- ✓ ERP / PLM / Warranty
- ✓ Connectors / Interfaces
- ✓ Data Import / Export
- ✓ Integration Tools / APIs

REPORTS & NOTIFICATION

- √ Standard / Ad Hoc Analytics
- ✓ Export / Email / Schedule
- √ Real-Time / Dashboard
- ✓ Per Line / Plant / Global

Faster-Than-Paper™ Operations



Extensive Checksheet Capabilities

"e-Checksheets™ are Legos for Production and Quality Operations"

- e-Checksheets group related data collection at point-of-entry through customer-defined use of configurable check items
- Diverse, re-usable library of check item types:
 - Pass / Fail: Defect Codes / Visual / Repair / Sign-Off
 - Variables / Traceability: Numeric / Picklist / Free Form Alpha
 - Run Timer / Player: Start / Stop / Hold Codes
 - Material Tracking: Produce / Consume / NCM / Disposition
 - Specifications: Display-only check item with rich text contents, graphics, links
 - Comments: Free form input with ability to attach photo, files
 - Date: Select a date from calendar
 - User Picker: Select a user from a group
 - Report: Display a user-definable report

Core Check Item Capabilities

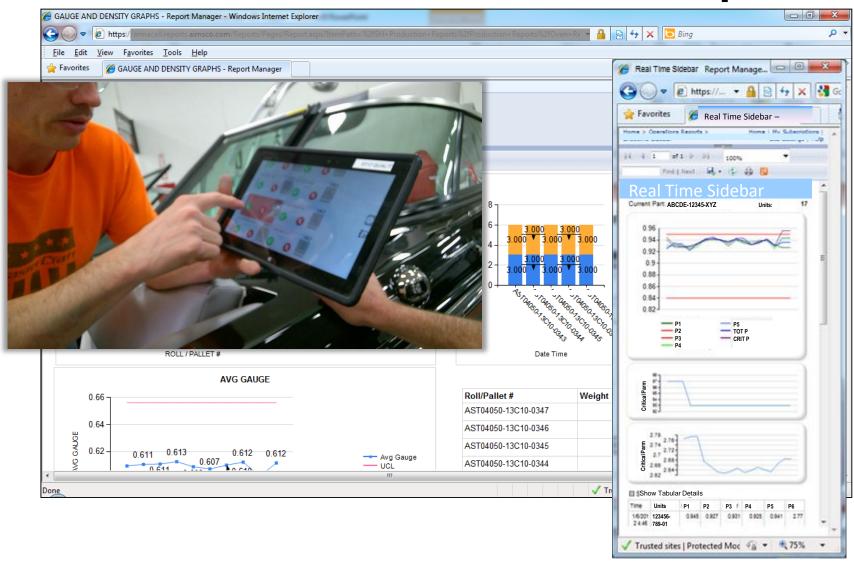
All check items provide a common core set of capabilities

- Transactions user & timestamped with privileged audit-traced edits
- Multilevel tracking with configurable serialization options
- Comments / photos / attachments
- Rich text work instructions
- Reference images with links to online documents, videos
- Internal grouping / optional display
- Manual input and automated equipment / ERP interface options
- Configurable options for defaults / prefills / multiple samples
- Local language descriptions / prompts / coding

Better Than Paper[™] An Intelligent Innovation Platform

- Reusable check sheets and check items
 - High efficiency, rapid targeted changes and adaptation
- BI driven alerts and notifications
 - Embedded analytics visible to operator at point of action
 - Targeted email subscriptions deliver to right person, right time
- Intelligent, adaptive interfaces
 - User interfaces
 - Validated inputs => eliminate bad data
 - Fixed sampling => adaptive sampling (result-based)
 - Automated data collection
 - Variable machine sampling frequency, tolerance, scope
- Intelligent optimization workflow
 - Combine user & automated inputs, product & process data
 - By order, product, material, over time
 - CAPA / 8D => Predict & optimize in real time

Real-Time / Dashboard / Mobile Reports



AIMSCO Enterprise Services Portal (ESP)

