



EXCELERATE '22

NO LIMITS

Tracing the Value of Solumina: Quality Management Best Practices

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Recap & How We Got Here

- How a Value Gets Realized
- Yesterday, MES & SIM Process
- Today, Liz told you about "A Day in the Life" of many Quality Roles
- Now, Quality Best Practices that support "A Day in the Life"



How a Value is Realized



Identification

Representation

Realization

Indoctrination

Today we will continue a series of presentations identifying value drivers, how they are represented in our implementation methodology, and how they translate to meaningful Best Practices.

Today's Agenda

- Value Identification
- Value Representation
- Value Realization
 - Best Practices for Quality Management
- Time for Questions



Value Identification

Customer Example

- Robot, Inc. – from paper to paperless
- Key Values – Improve performance by identifying non-conformances and reducing corrective actions
- Learning and Using Solumina
- Looking to leverage Solumina Quality



Value Identification

- Services Implementation Continues
 - SIM Methodology
- Users in Solumina
 - Executing User Stories
 - Identifying values





Value Representation

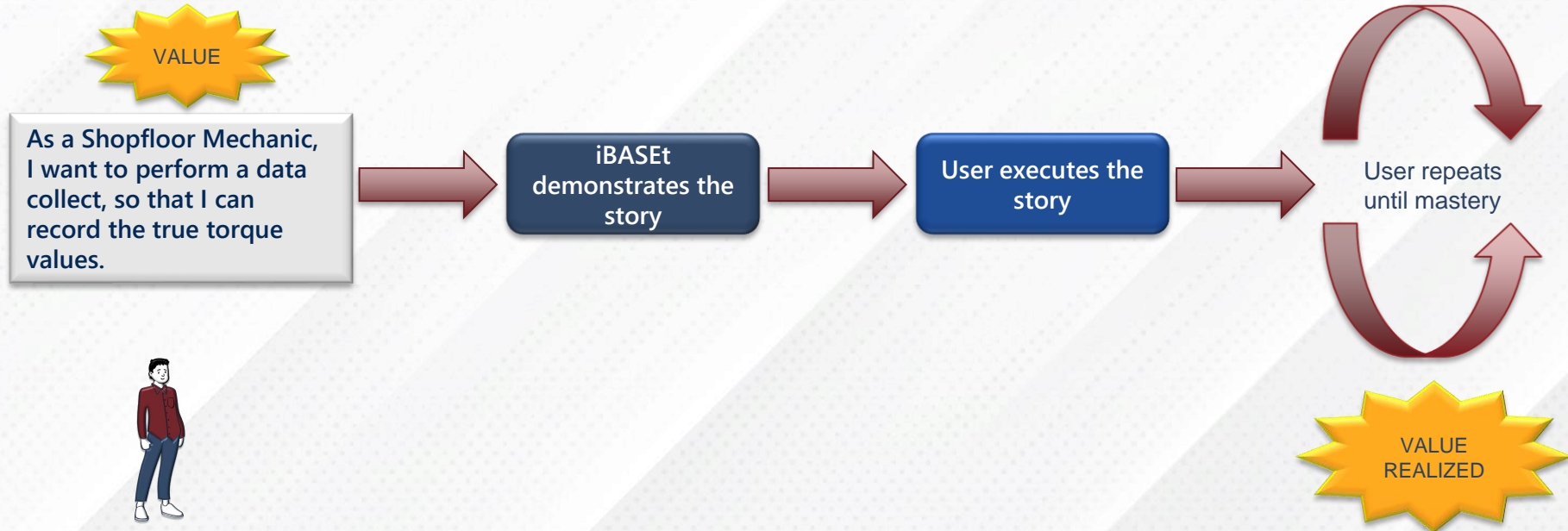
Standard Functionality User Stories

- ~600 Total User Stories (More on the way)
- Users are instructed on the story
- Users then execute the story
 - Repeated until mastery
- Values are emphasized



User Stories in Practice

Identified values are realized while executing User Stories





Value Realization EQMS & SQM

Value of Discrepancy Management



- Easily initiate defects directly from a work order (WO) with embedded discrepancy reporting
- Trigger automatic holds to prevent work from continuing
- Disposition discrepancy with appropriate approval queues
- Identify and disposition non-confirming component for full traceability
- Incorporate disposition work instructions both in WO or in new WO
- Perform basic cause analysis

The screenshots illustrate the following workflow steps:

- Change Acknowledgement:** A user acknowledges a discrepancy, with a red '1' indicating a required action.
- Disposition:** A discrepancy is dispositioned with specific instructions (e.g., 'REWORK: using nitrile glove...') and associated images.
- Cause Analysis:** A detailed analysis of the discrepancy, including identifying the supplier and describing the cause (e.g., 'Supplier performed sample inspection of PO 1234567 - defective part from lot but was...').
- Discrepancy Line Details:** A summary of the discrepancy line, including the part number, removal instructions, and required parts for rework.
- Work Order Overview:** A high-level view of the work order, including the operation title, center, and part details.

Value of Corrective Action



Search...

Create Corrective Action

CA Type

Simple

Summary

Workflow

CA_SIMPLE

Schedule End

9/21/22

Issue Description (optional)

issue with the release of fitting

[c29eeb96-7c9e8c-e04cd8e705](#)

CA Description

Process (optional)

ASSEMBLY

Defects (optional)

HOS

Count

1

Cause

WI

Defect

HOS

Resp Area(s) (optional)

SPACEPARK

Resp Supplier(s) (optional)

Update Sta...

Queue

ISSUE_DESCRIPTION

Status

EFFECTIVE

Notes (optional)

ISSUE_DESCRIPTION

Status

ACTIVE

Updated By

EM Erin Mazuera (ERIN)

Updated On

9/21/22 03:18:34 AM

- Solumina supports simple & detailed CAPA process:
 - Create CA directly from Discrepancy
 - Link to DIs & Audit Findings
 - Assign team members
 - Containment, Investigation + Action tasks
 - Verify effectiveness
- Determine root cause and prevent future product discrepancies with closed loop quality
- Utilize CA Tasks to update Process Plans, Orders, Inspection Plans, etc.

Value of Supplier Quality Management



Leverage both visibility and control of purchased products before they reach your shop floor with Solumina Supplier Quality Management:

- Supplier Portal
 - One-stop-shop for vendors or SQA inspectors to access all work relating to Supplier
- Supplier Inspection
 - Plan for both Source and Receiving Inspection
 - Inspect/test full lot or dynamic sample(s)
 - Authorize vendors to ship after review and approval of inspection + documentation
 - Verify effectiveness
- Supplier Defects
 - Manage defects down stream to resolve issues at the source with less impact on your mfg operations
 - Calculate Supplier Rating

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Supplier Defects

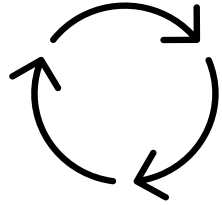
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The image displays three overlapping screenshots of the Solumina Supplier Quality Management (SQM) software interface. The top screenshot shows a 'Dashboard' with four cards representing different suppliers: 'AUTOMATION DEMO' (2 Open PO Lines), 'ACME Supply' (2 Open PO Lines), 'C.E.B. NEW YORK' (10 Open PO Lines), and 'Start Manufacturing Lt' (1 Open PO Lines). The middle screenshot shows a detailed view of an inspection order for 'C.E.B. NEW YORK, 3000'. It includes fields for 'Inspection Order' (85888), 'Part, Rev' (8516439, N/A), 'Qty' (10), and 'PO, PO Line' (4500017197,0040). A callout box labeled 'Inspection Items' points to a list of items, including 'TEMPERATURE' with a 'State: NORMAL' and 'Target: 72'. The bottom screenshot shows a similar view but with a red warning banner at the bottom that reads: 'Sorry, but there is a stop on this operation and no work can be done until it is correct.' The interface includes search bars, navigation icons, and a user profile icon.

Value of Embedded Quality



**Full visibility across
product
manufacturing
lifecycle**



**Reduce time to
reconcile
information from
multiple systems**



**Closed loop for defining
and reporting results,
defects, corrective action,
+ embedded holds**



**Supplier accountability
through real time
ratings + metrics**

SQM & EQMS Best Practices

- Start at the source
- Integration is key
- Quality comes first
- Broad plan, detailed characteristics



Checkup on Robot, Inc.

- **VALUE REALIZED!** Robot, Inc. has improved performance by identifying non-conformances and reducing corrective actions by using Solumina!
- Mastered Solumina
- Have realized value drivers
- In full production!



Key Takeaways

- Value Traceability continues
- Value Realization through User Story Execution
- Follow Best Practices
- Remember, you are not alone





THANK YOU

QUESTIONS?

Don't forget to visit the Expert's Lounge