EXCELERATE '22

NO LIMITS

NO LIMITS

Tracing the Value of Solumina: MES Best Practices

Thomas Jones / Erin Mazuera / Jeff Crow
Mgr. BSC / Sr. Solution Engineer / Team Lead BSC
tjones@ibaset.com / emazuera@ibaset.com / jcrow@ibaset.com
linkedin.com/in/thomas-jones-67982130 / linkedin.com/in/erinmazuera / linkedin.com/in/jeff-crow-b0727816

© 2022 | PROPRIETARY IBASET

iBASEt

How We Got Here

- Earlier Max discussed MES "A Day in the Life"
- Now, the Backbone of the "Day in the Life"
- Solumina Implementation Methodology (SIM)

© 2022 | PROPRIETARY IBASET

NO LIMITS

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

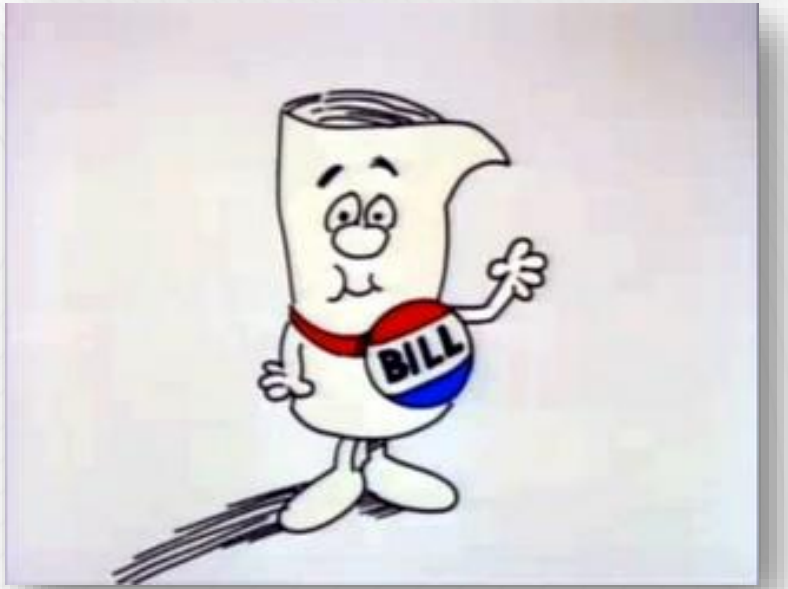
© 2022 | PROPRIETARY IBASET

iBASEt

NO LIMITS

Who Remembers?

"How a Bill Becomes a Law?"



© 2022 | PROPRIETARY IBASET

iBASEt

How a Value is Realized

Identification

Representation

Realization

Indoctrination

© 2022 | PROPRIETARY IBASET

NO LIMITS

Today's Agenda

- Value Identification
- Value Representation
- Value Realization
  - Best Practices for MES
- Time for Questions

© 2022 | PROPRIETARY IBASET

iBASEt

Value Identification

Customer Example

- Robot, Inc. – from paper to paperless
- Key Value – streamline shopfloor operations
- In need of a robust MES with Quality and MRO capabilities
- Sales to services – a seamless transition

© 2022 | PROPRIETARY IBASET

Value Identification

- Presales & Sales
  - Conversations with Stakeholders
- Sales to Service Transition
  - Interlock Meeting and Document
- Service Implementation
  - SIM Methodology

© 2022 | PROPRIETARY IBASET

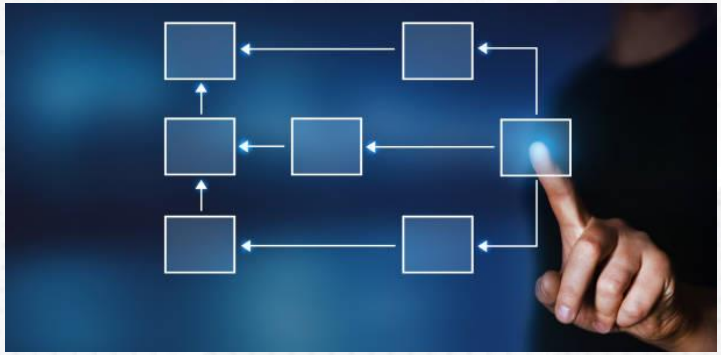
Value Representation

Representation of Identified Values

Solumina Implementation Methodology (SIM)

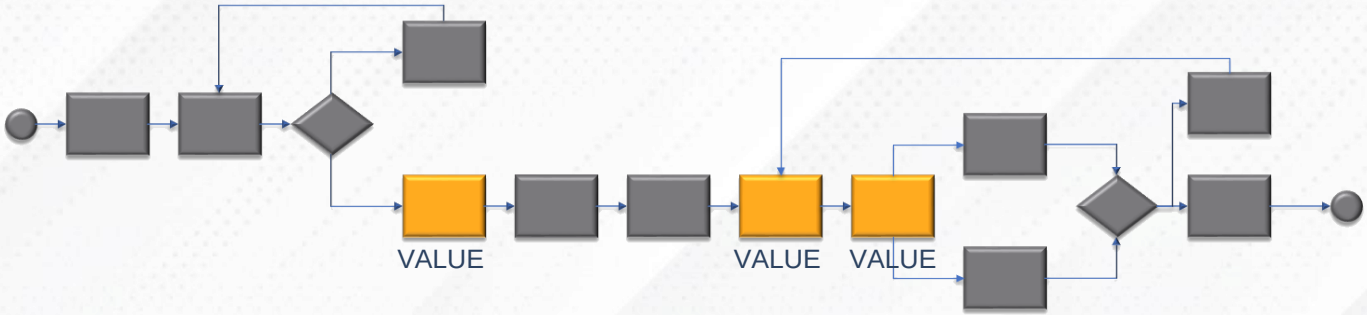
- Process Mapping
- As-Is
- To-Be

- Standard Functionality User Stories



© 2022 | PROPRIETARY IBASET

Process Maps

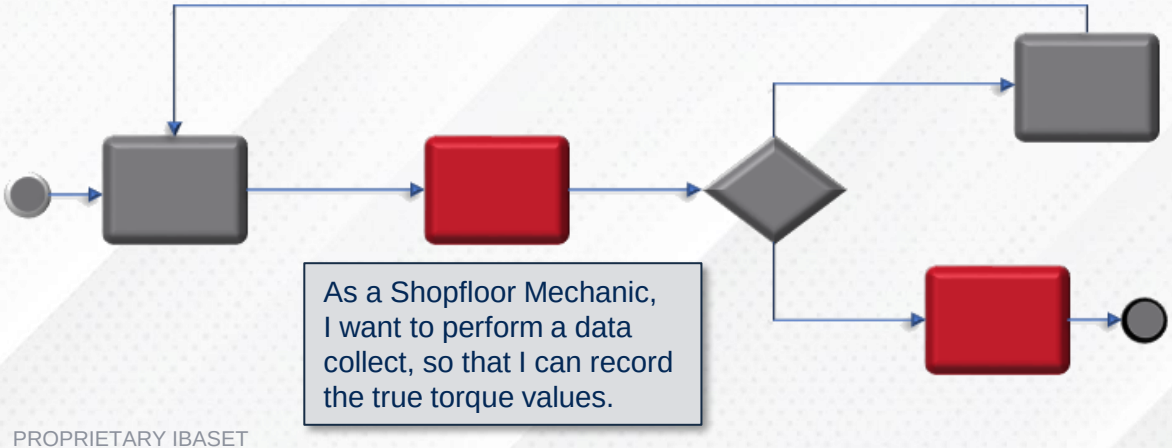


- Constructed with the Project Team
- Focuses on a specific Role or Area
- Values Identified on the map itself

© 2022 | PROPRIETARY IBASET

Value in Process Maps & User Stories

- Specifically identifies when a VALUE is represented and subsequently learned
- Teaches team members how to use Solumina
- Used in conjunction with Process Maps

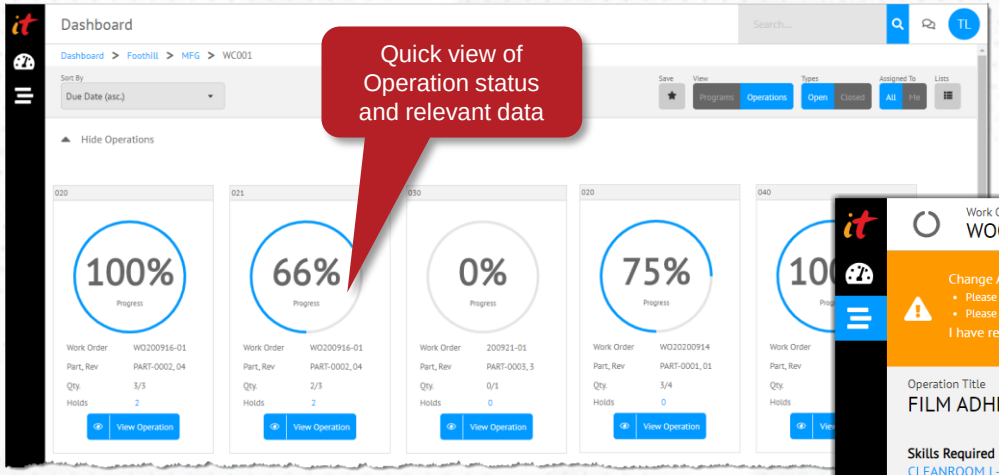


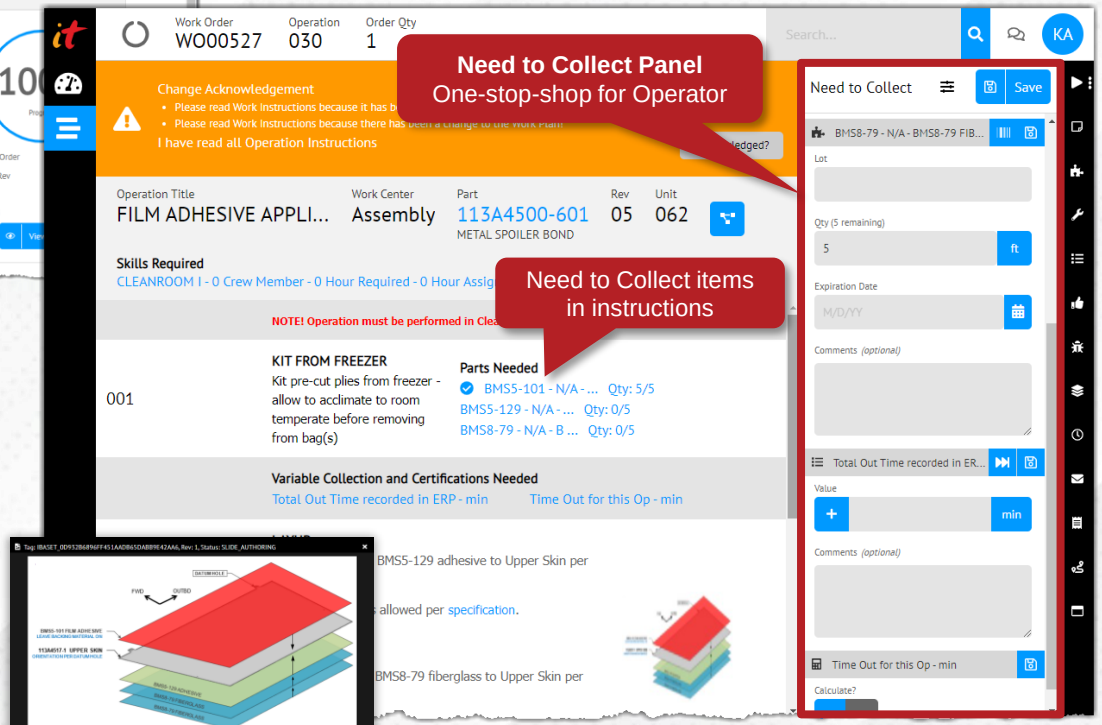
© 2022 | PROPRIETARY IBASET

Value Realization MES

Value of Paperless Work Orders

- Utilize Dashboards as Supervisors or Technicians to easily assign crew, place holds, find, manage & prioritize work orders



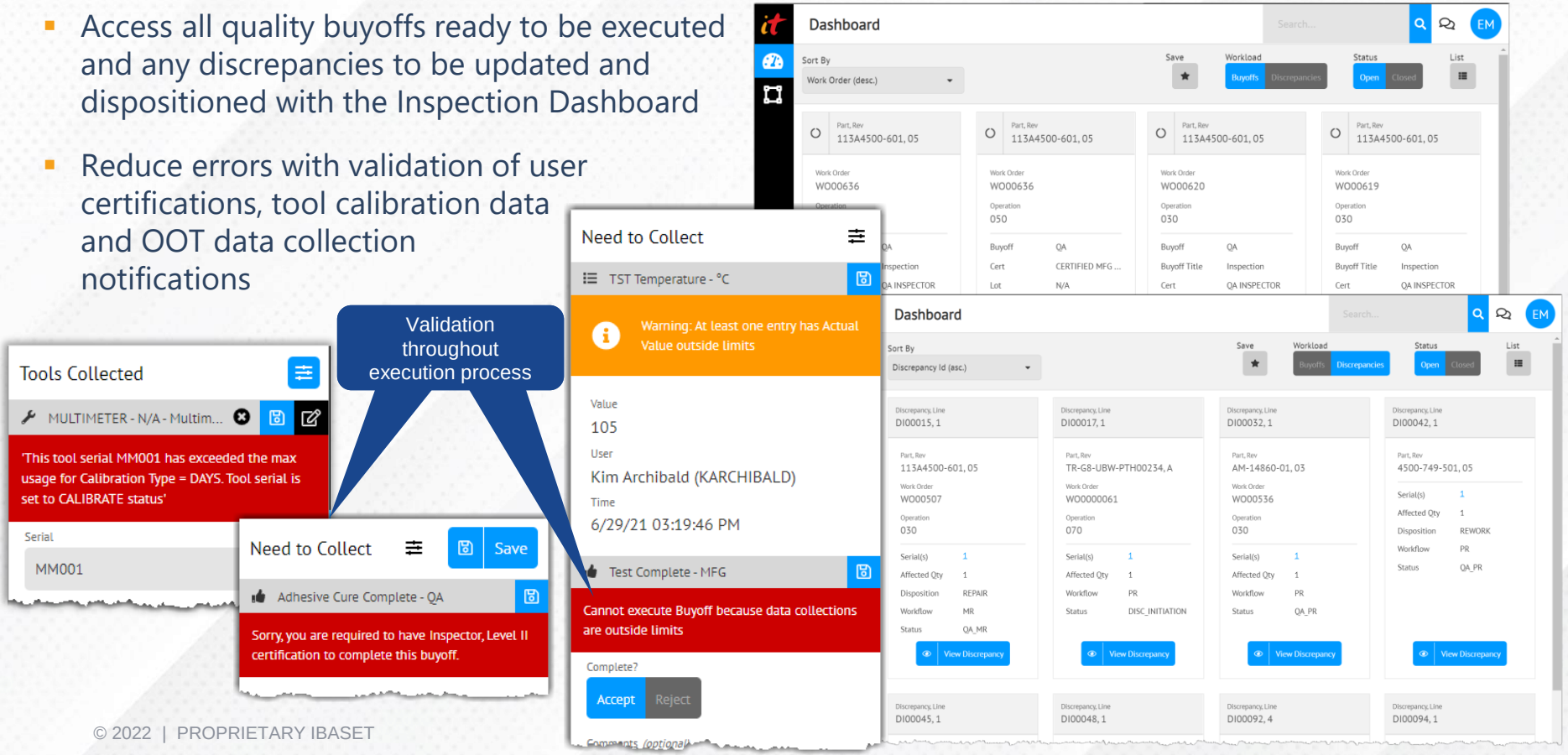


- Access digital work orders with Solumina's modern, personalized, easy to use Web User Interface
- Capture labor, consume parts, collect data, view models, standard documents, select bulk processing, etc. as authored in Process Plans to efficiently execute work

© 2022 | PROPRIETARY IBASET

Value of Quality Validation

- Access all quality buyoffs ready to be executed and any discrepancies to be updated and dispositioned with the Inspection Dashboard
- Reduce errors with validation of user certifications, tool calibration data and OOT data collection notifications



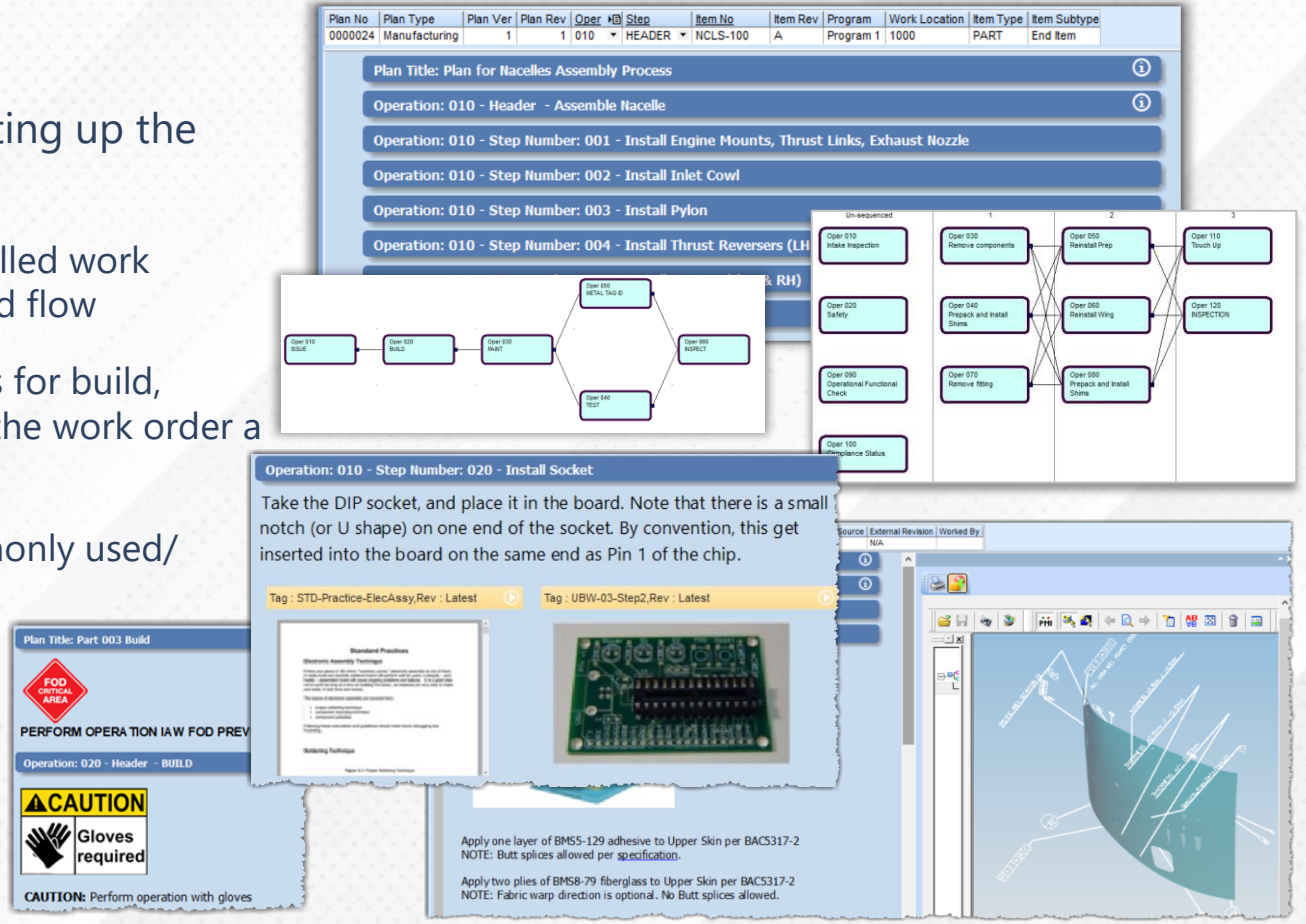
© 2022 | PROPRIETARY IBASET

Value of Process Planning

Digital Work Instruction

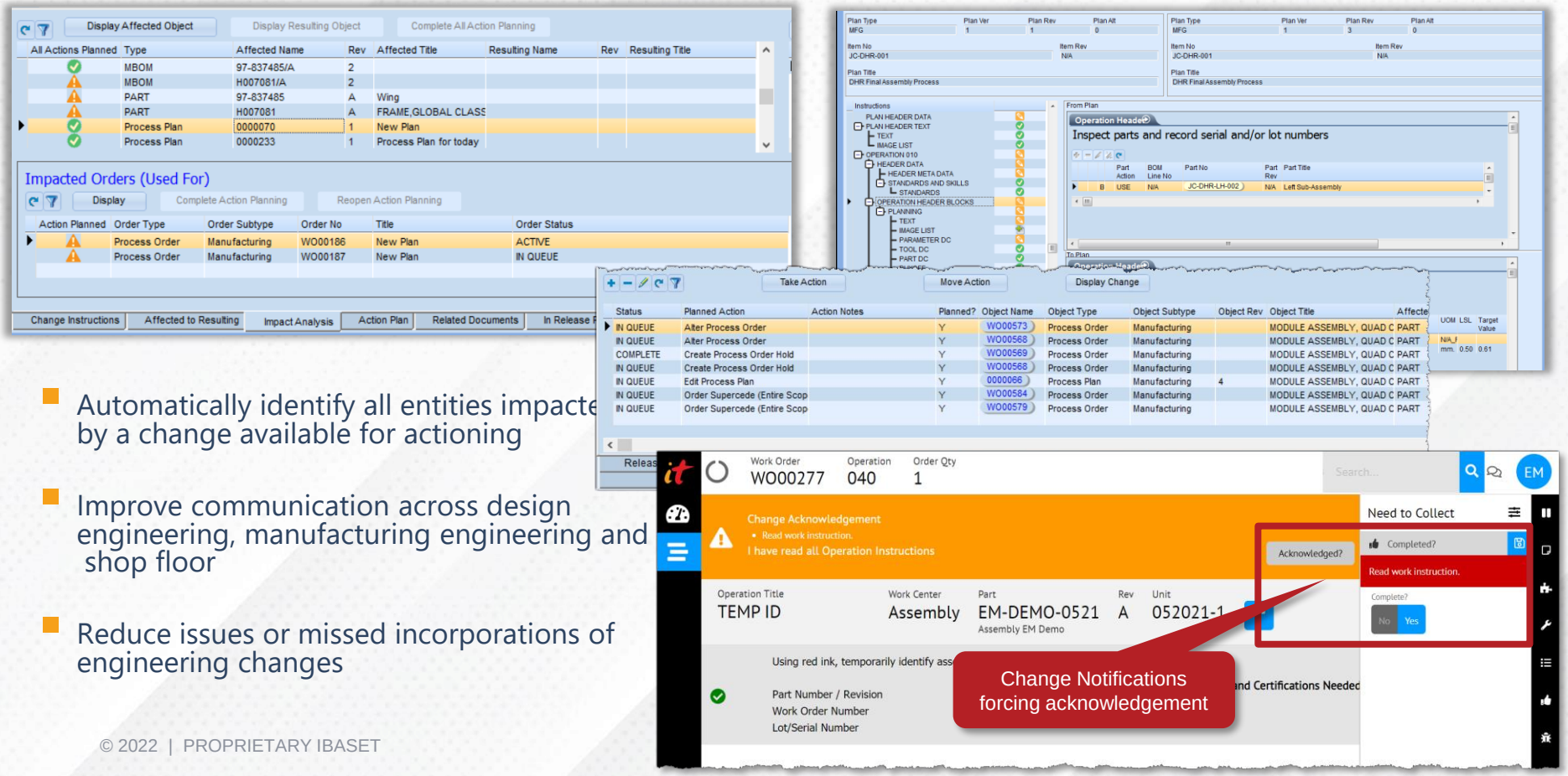
Authoring is focused on setting up the Shop Floor for success

- Detailed, organized & controlled work instructions including planned flow
- Incorporation of all resources for build, assemble and test – making the work order a one-stop-shop for execution
- Controlled libraries for commonly used/ standard items:
  - Data Collectors
  - Illustrations/Specs
  - Standard Text
  - Standard Operations



© 2022 | PROPRIETARY IBASET

Value of Change Management



- Automatically identify all entities impacte by a change available for actioning
- Improve communication across design engineering, manufacturing engineering and shop floor
- Reduce issues or missed incorporations of engineering changes

© 2022 | PROPRIETARY IBASET

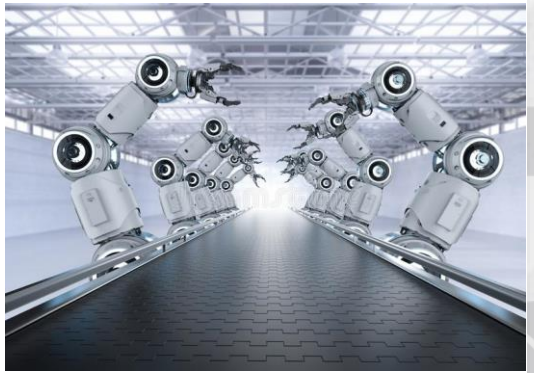
MES Best Practices

- Author with execution in mind
- More consumption, better visibility
- Master in MES
- Recycle, reuse, and repeat!
- Change is everything

© 2022 | PROPRIETARY IBASET

Checkup on Robot, Inc.

- **VALUE REALIZED**! Robot, Inc. has streamlined their shopfloor operations by using Solumina!
- Learning how to best use Solumina
- Working towards their first robot!



© 2022 | PROPRIETARY IBASET

Key Takeaways

- Value Traceability
- Standard Streamlined Implementation
- Follow Best Practices
- You Are Not Alone!

© 2022 | PROPRIETARY IBASET

THANK YOU

QUESTIONS?

Don't forget to visit the Experts' Lounge