DE127007

Classy is Overrated: *Time to Go Modern*

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VACCO Industries

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Join the conversation #AU2017

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Your Instructors

Richard Noriega
VACCO Industries

Richard Noriega works for VACCO Industries in South El Monte Los Angeles CA as an Engineering Manager for Design Services.

His contributions to VACCO include PLM360 project management deployments for process improvements, configuration control and business system integrations.

His initiative is to align VACCO's mission, goals and values through technologies and innovation.

Martin Gasevski
Autodesk, Inc.

Martin Gasevski works for Autodesk in the Novi-Michigan office as a Product Manager on Autodesk's Fusion platform.

He has been actively involved in the PLM & PDM space for more than a decade as a SW Developer, Success Engineer and as a Product Manager.

In his current role, he contributes to the product roadmap on strategic and tactical levels with market requirements driving solutions across engineering teams.

Class Agenda

- Who is VACCO
- Our PLM vision
- Fulfilling Our Vision
  - Glimpse of the Past
  - This Year: Modern UI
  - Future Plans…

Discover Learning Objectives

- Advantages of using modern Fusion Platform
- Planning techniques and requirements for an upgrade
- Lessons learned and advises to achieve a successful upgrade
- Pros and cons of both environments and user adoption

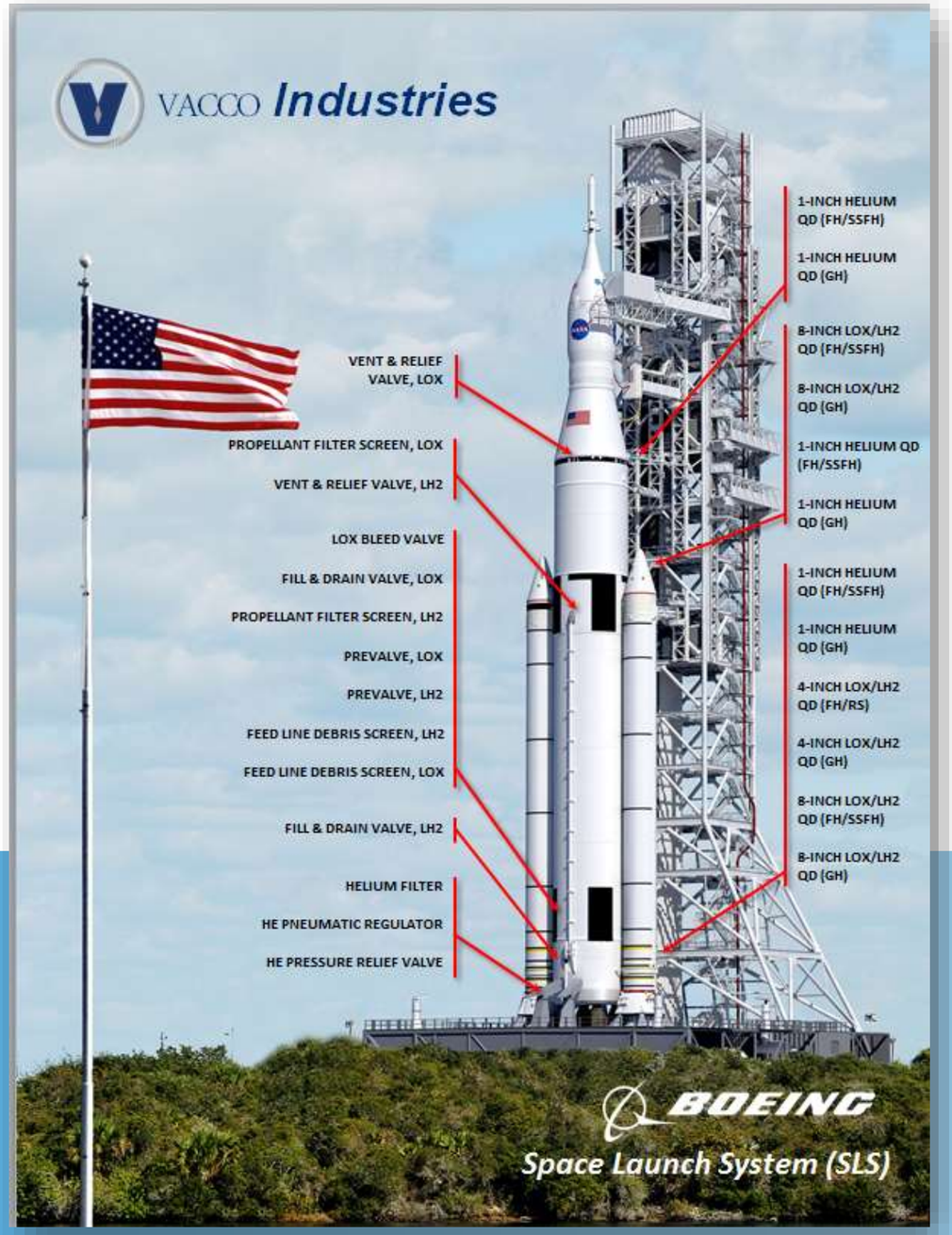
About VACCO Industries

VACCO

Fast. Affordable. Efficient.

VACCO Space

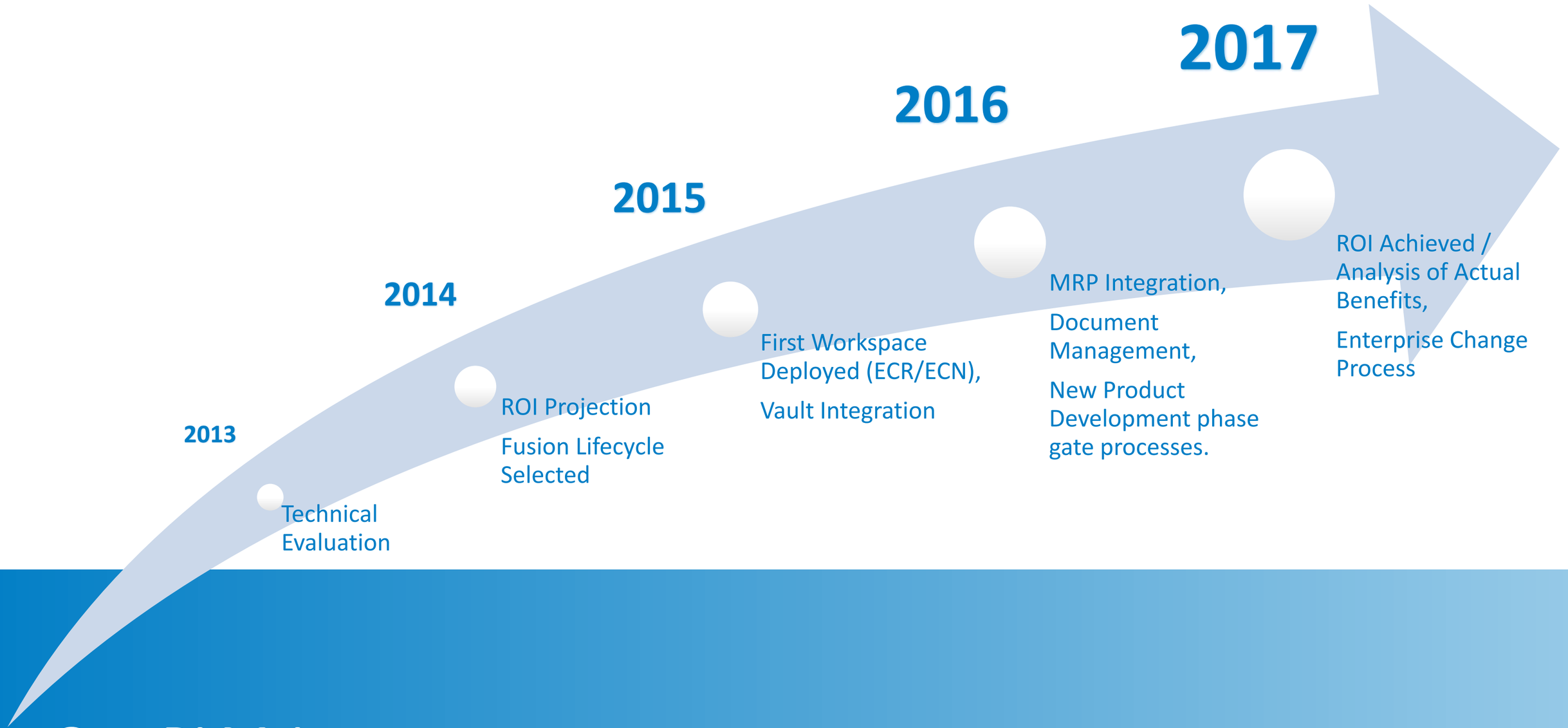
VACCO
ISO-9001 CERTIFIED
SCIENCE &
ELCTRIC PROPU
MICRO PROPULSI
HUMAN SPACEFLIGHT
CRYOGENIC BALL VALVES • CRYOGENIC RELIEF VALVES • QUICK DISCONNECT VALVES
PRE-VALVES • PRESSURE REGULATORS • SERVICE VALVES • SOLENOID LATCHING VALVES
CRYOGENIC PRE-VALVE
NEGATIVE PRESSURE RELIEF VALVE
HIGH FLOW PRESSURE REGULATOR
VENT AND RELIEF VALVE
CRYOGENIC BALL VALVE
CRYOGENIC QUICK DISCONNECT VALVE
HYDRAZINE CROSSOVER VALVE


VACCO Industries
VENT & RELIEF VALVE, LOX
PROPELLANT FILTER SCREEN, LOX
VENT & RELIEF VALVE, LH2
LOX BLEED VALVE
FILL & DRAIN VALVE, LOX
PROPELLANT FILTER SCREEN, LH2
PREVALVE, LOX
PREVALVE, LH2
FEED LINE DEBRIS SCREEN, LH2
FEED LINE DEBRIS SCREEN, LOX
FILL & DRAIN VALVE, LH2
HELIUM FILTER
HE PNEUMATIC REGULATOR
HE PRESSURE RELIEF VALVE
1-INCH HELIUM QD (FH/SSFH)
1-INCH HELIUM QD (GH)
8-INCH LOX/LH2 QD (FH/SSFH)
8-INCH LOX/LH2 QD (GH)
1-INCH HELIUM QD (FH/SSFH)
1-INCH HELIUM QD (GH)
1-INCH HELIUM QD (FH/SSFH)
1-INCH HELIUM QD (GH)
4-INCH LOX/LH2 QD (FH/RS)
4-INCH LOX/LH2 QD (GH)
8-INCH LOX/LH2 QD (FH/SSFH)
8-INCH LOX/LH2 QD (GH)
BOEING
Space Launch System (SLS)

2013-2017

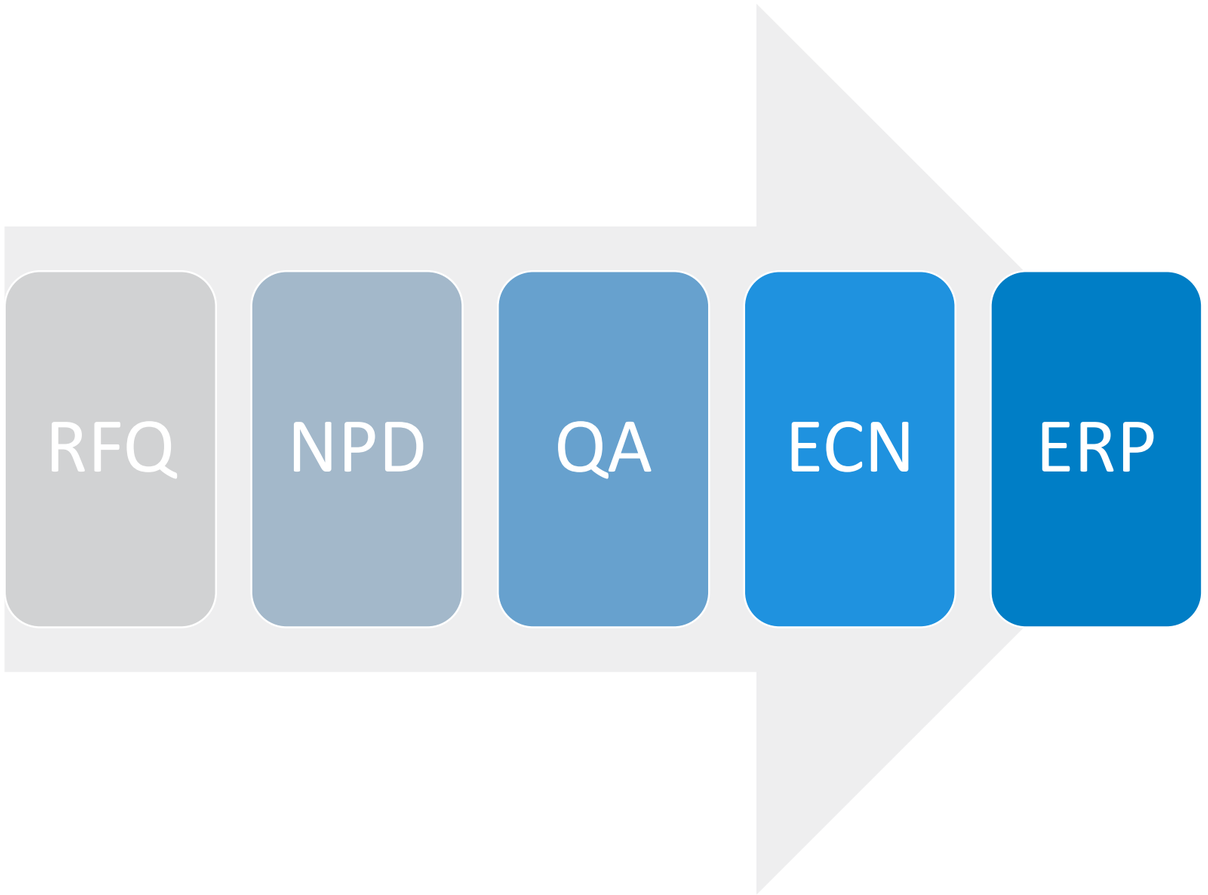
Our Fusion Lifecycle Business Evolution

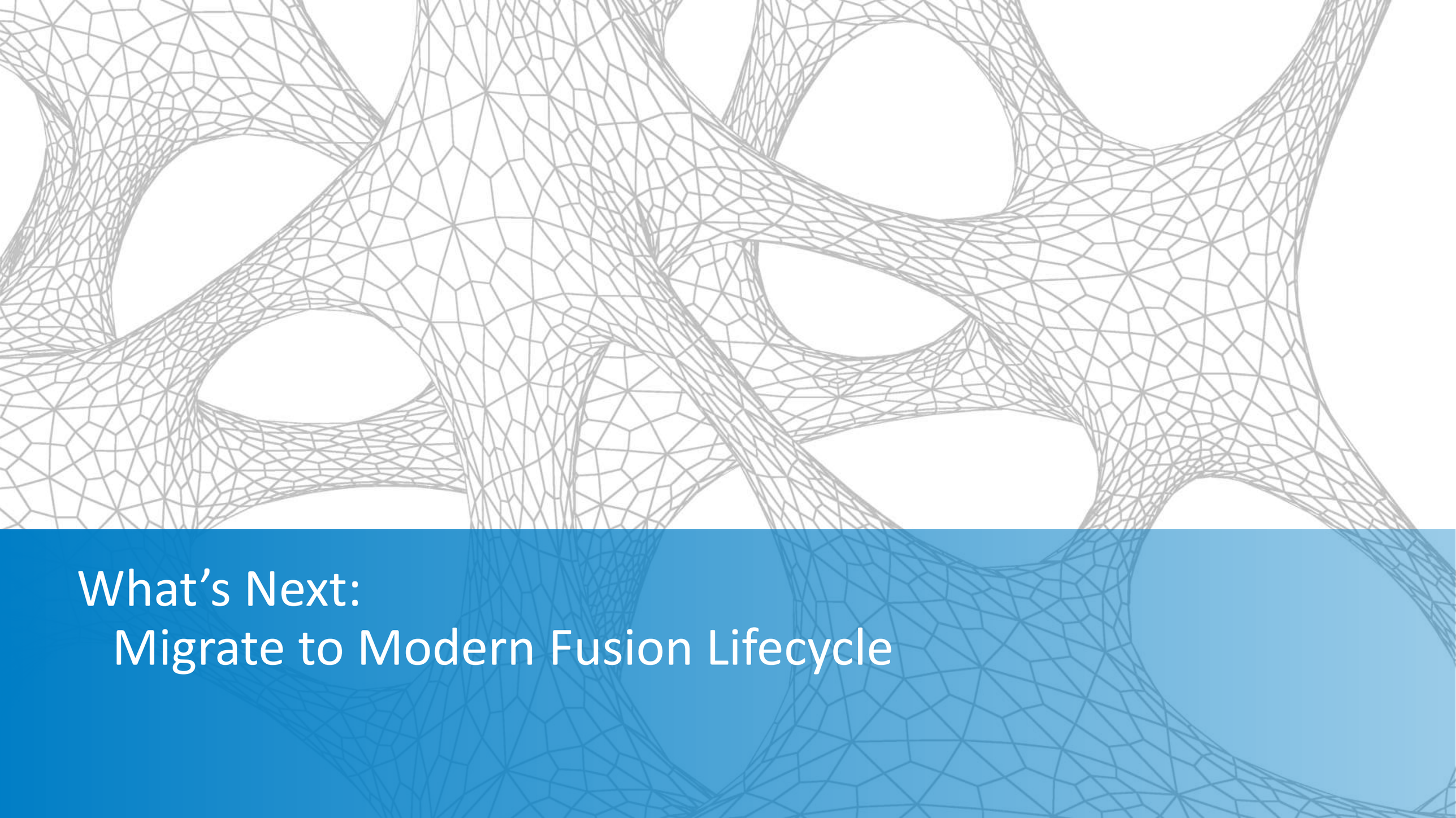
Our PLM Journey



Glimpse of last year AU2015

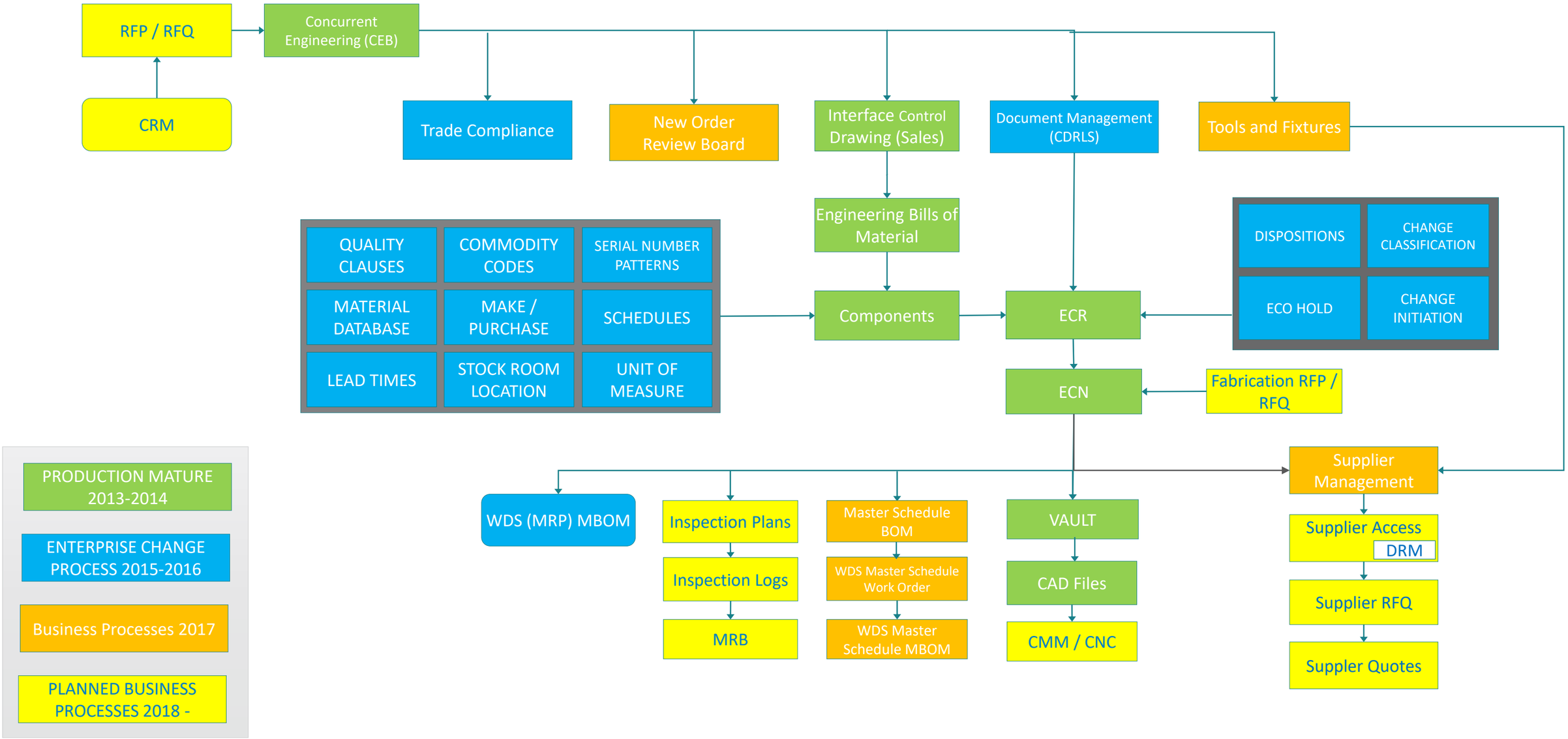
- ✓ **Fully implemented Engineering Change Management Process**
  - Engineering Change Request and Order (ECR'ECO)
  - Vault integration
- ✓ **Integrated ERP**
  - Master Item Releases
  - Engineering Bills of Materials
- ✓ **New Product Development Phase Gates Process**
- ✓ **Request for Quote and Proposal Process**
- ✓ **Materials and Process Database**





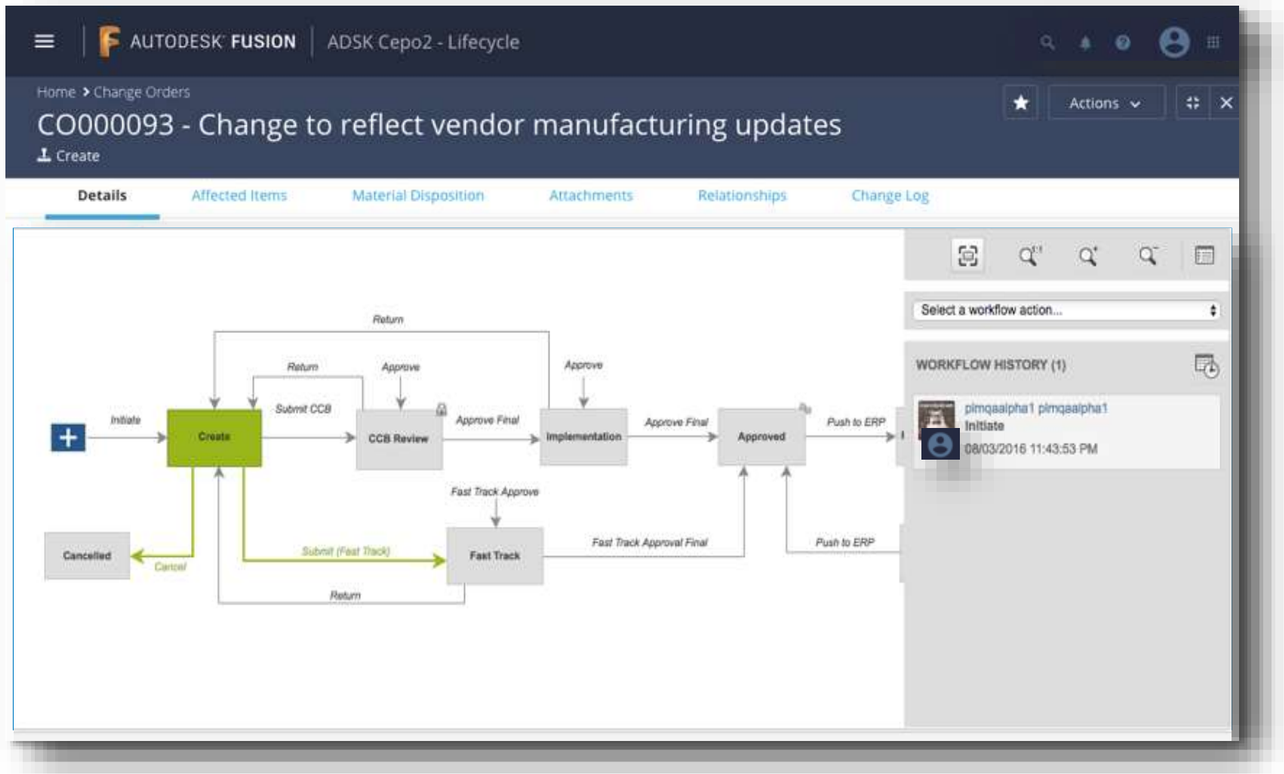
What's Next:
Migrate to Modern Fusion Lifecycle

Our Fusion Lifecycle Solution



Advantages of Modern Fusion Platform

- Autodesk’s strong focus on this platform.
- In production continuously being updated.
- Minimal effort to switch over from classic mode.
- Meets backwards compatibility with classic interface.
- Delivers enhanced experience and new functionalities.
- Enables staying on the path of growth.



Path Forward

Upgrade Requirements

- No production downtime
- No data migration
- No administrative overhead
- No compromise in functionality
- Light user interface training
- Staggered rollout
- Maintain existing integrations

- Readiness of critical features:
  - ✓ Item Details Tab
  - ✓ Grid Tab
  - ✓ BOM Tab
  - ✓ BOM Where Used
  - ✓ Derived Fields
  - ❑ Filtered Picklists
  - ❑ My Outstanding Work
  - ✓ Scripting Behavior
  - ✓ Reports and Views
  - ✓ Performance and Stability

Modern Only Capabilities

- ✓ ‘OR’ column filter in WS views
- ✓ Queue mode allows concurrent add/remove/edit of data;
- ✓ Quick-Create change order flow;
- ✓ Bulk lifecycle state change for Managed Items tab;
- ✓ Type-ahead behavior for picklist types
- ✓ Items as links in workspace views
- ✓ User descriptions for file history
- ✓ NEW ReST v3 API
  - ✓ PATCH partial payload item updates
  - ✓ CRUD for Grid & Project tabs
  - ✓ View-based BOM retrieval
  - ✓ View-based Workspace item collection retrieval
  - ✓ Flat BOM retrieval

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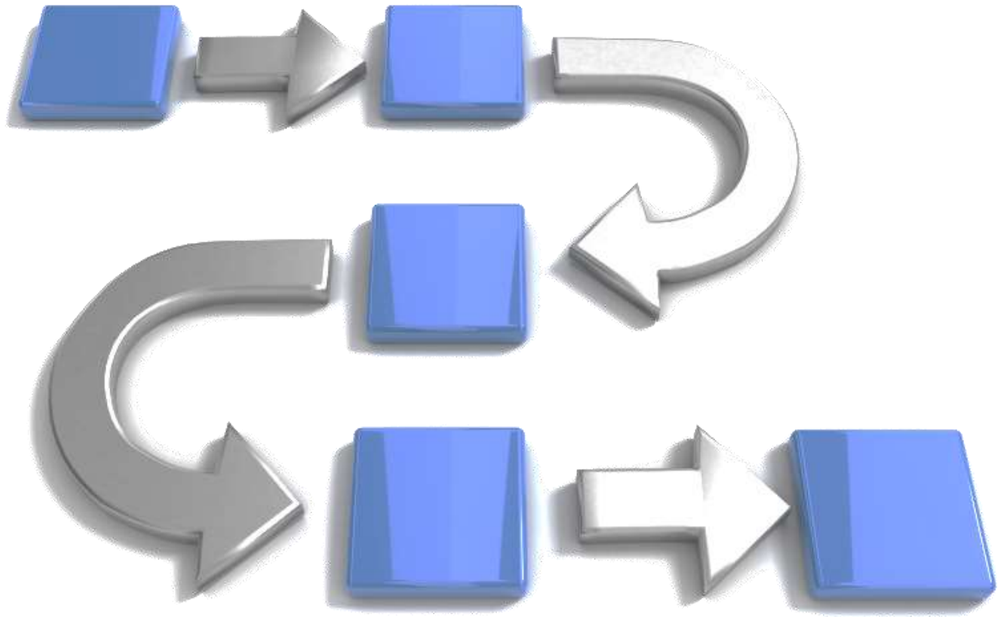
Evaluation Approach

- Dry run in a sandbox tenant
- Select power users to provide feedback.
- Plan a staggered rollout, not a big bang approach.
- Reach to Autodesk to raise critical issues and prioritize them.



Initial Results

Highlights

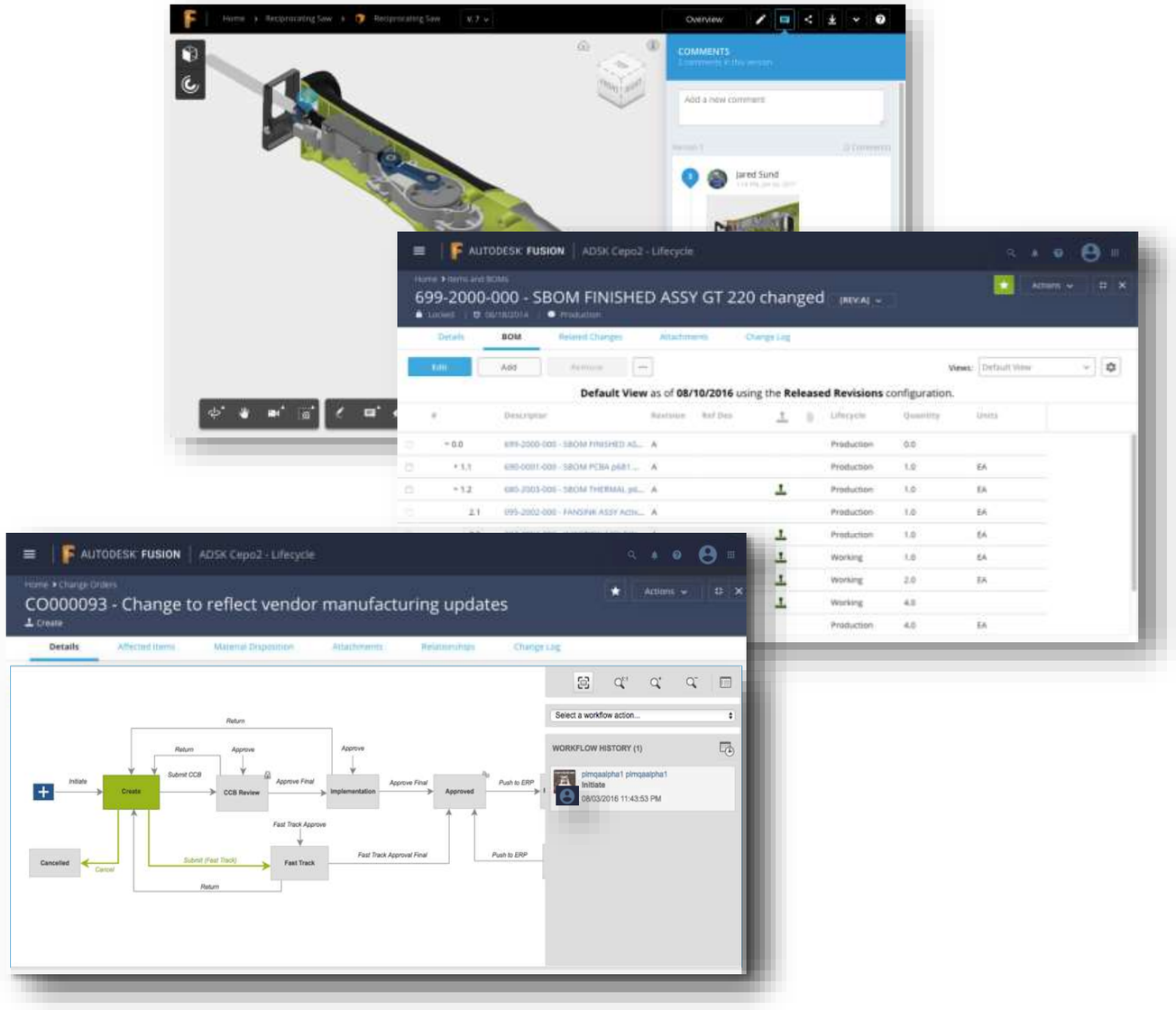
- Improved WS view filters
- Users experience is cleaner and refreshed
- No data migration and conversion
- All workspace functionality works as desired.

Gaps

- Found issue with My Outstanding Work
- Missing dashboard chart elements
- Missing attachments thumbnails
- Missing pending workflow actions
- Missing related attachment links

On Deck

- ❑ Hardened User Experience
- ❑ Performance Optimizations
- ❑ Close Equivalence Gaps
- ❑ New Functionalities in Modern
- ❑ Integration Strategy
- ❑ Product Data Management



A look inside VACCO’s upgraded solution!

Summary of VACCO’s evaluation

- Its just that easy~! ☺

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