THE POWER OF THE XBOM IN PTC WINDCHILL

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AGENDA

- ❑ xBOM concept
- ❑ PTC – IOT Manufacturing
- ❑ Road Map

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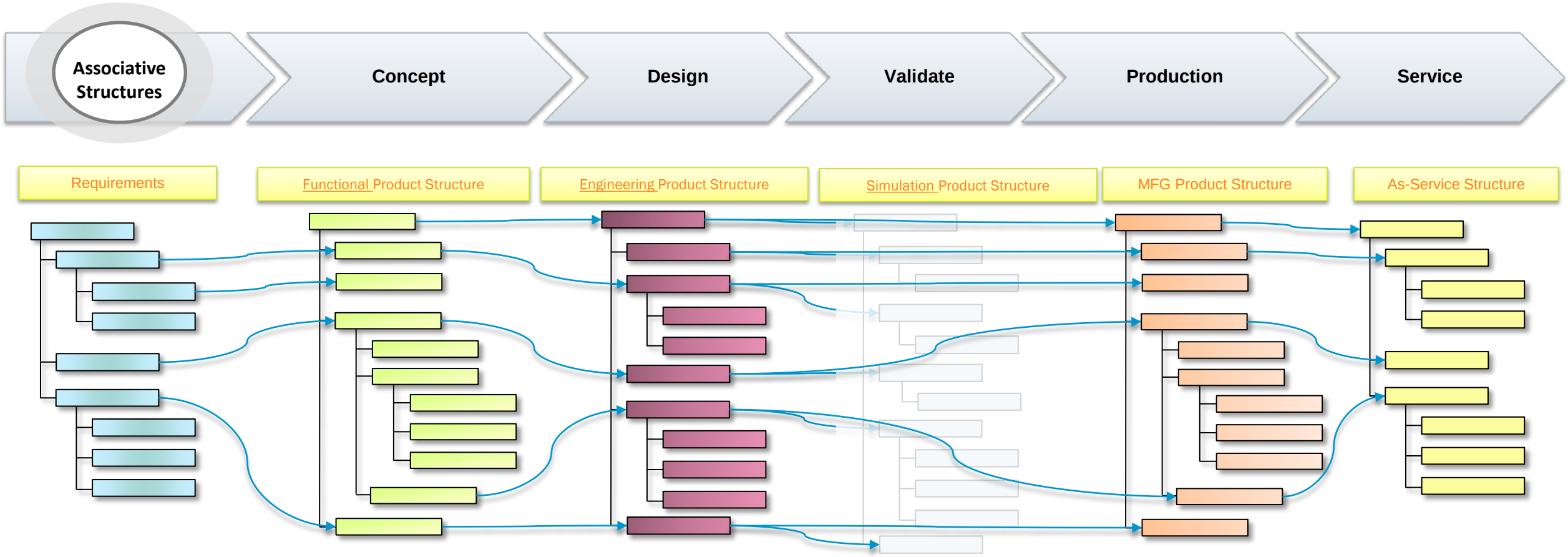
MASTERED BOM IN SINGLE SYSTEM



ASSOCIATIVE BOM'S MANAGEMENT

Concept/CAD BOM | Engineering Definition | MFG Planning Definition | Plant Specific Definition

Concept/CAD BOM

Engineering BOM

Equivalent

Equivalent

Global Manufacturing Strategy
No Replication
➔ Maximize Reuse
➔ Optimization

Manufacturing BOM

Full Traceability

Manage only Plant Specific Definition

PLANT 1

Alt 001

Alt 002

PLANT 2

XBOM WITH PTC TRANSFORMATION JOURNEYS

transformation journeys

Understand
Advance
Outperform

Digital Engineering

Drive business results and continuous innovation by transforming your engineering practices and product designs

Manufacturing

Continuously improve your operational performance and flexibility through digital manufacturing, real-time intelligence and predictive analytics

Service

Generate unprecedented value for your customers and your organization by redefining the entire service model

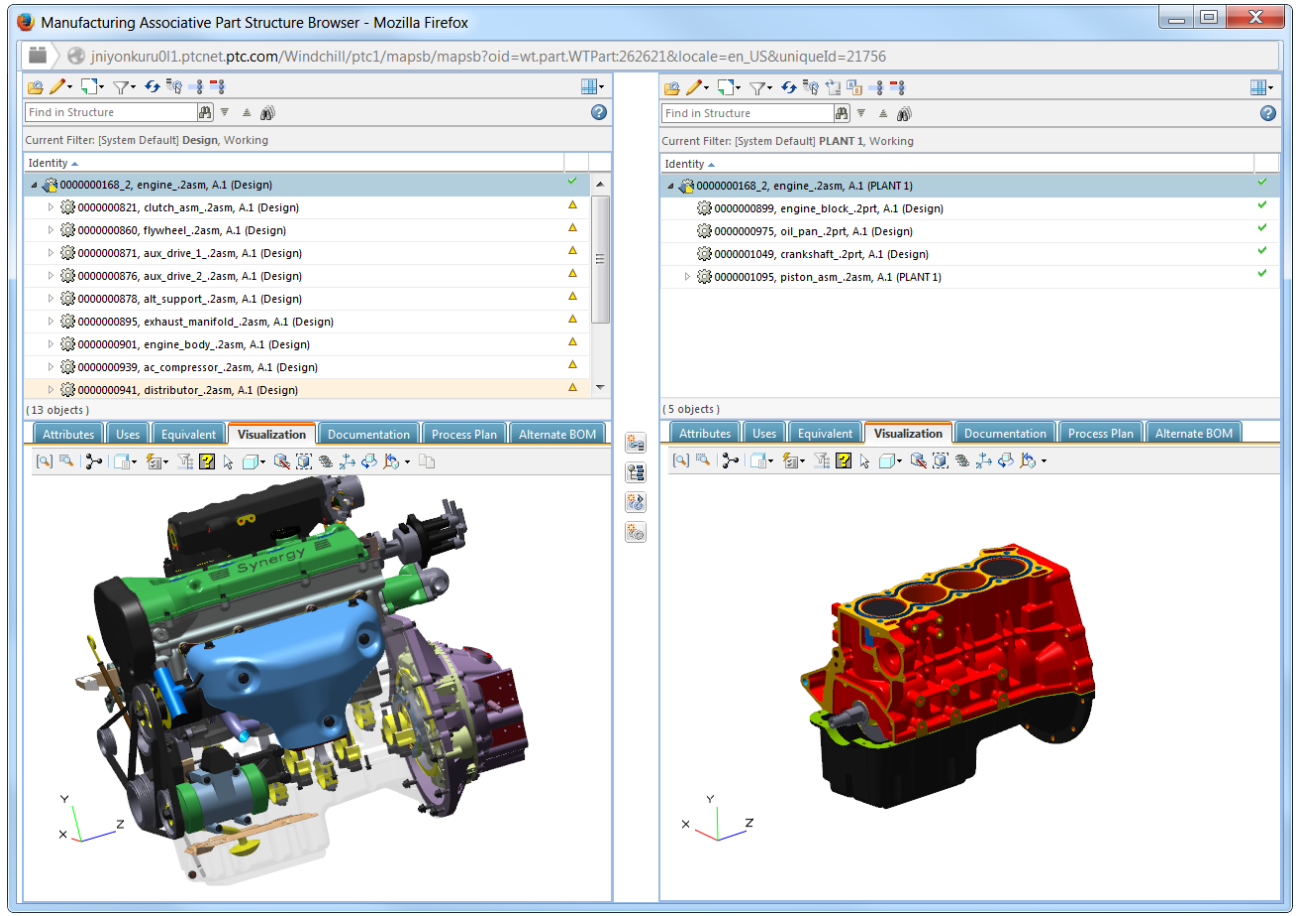
AGENDA

- ❑ xBOM concept
- ❑ xBOM features in Windchill 11
- ❑ Road Map

NEW BOM TRANSFORMATION TOOL

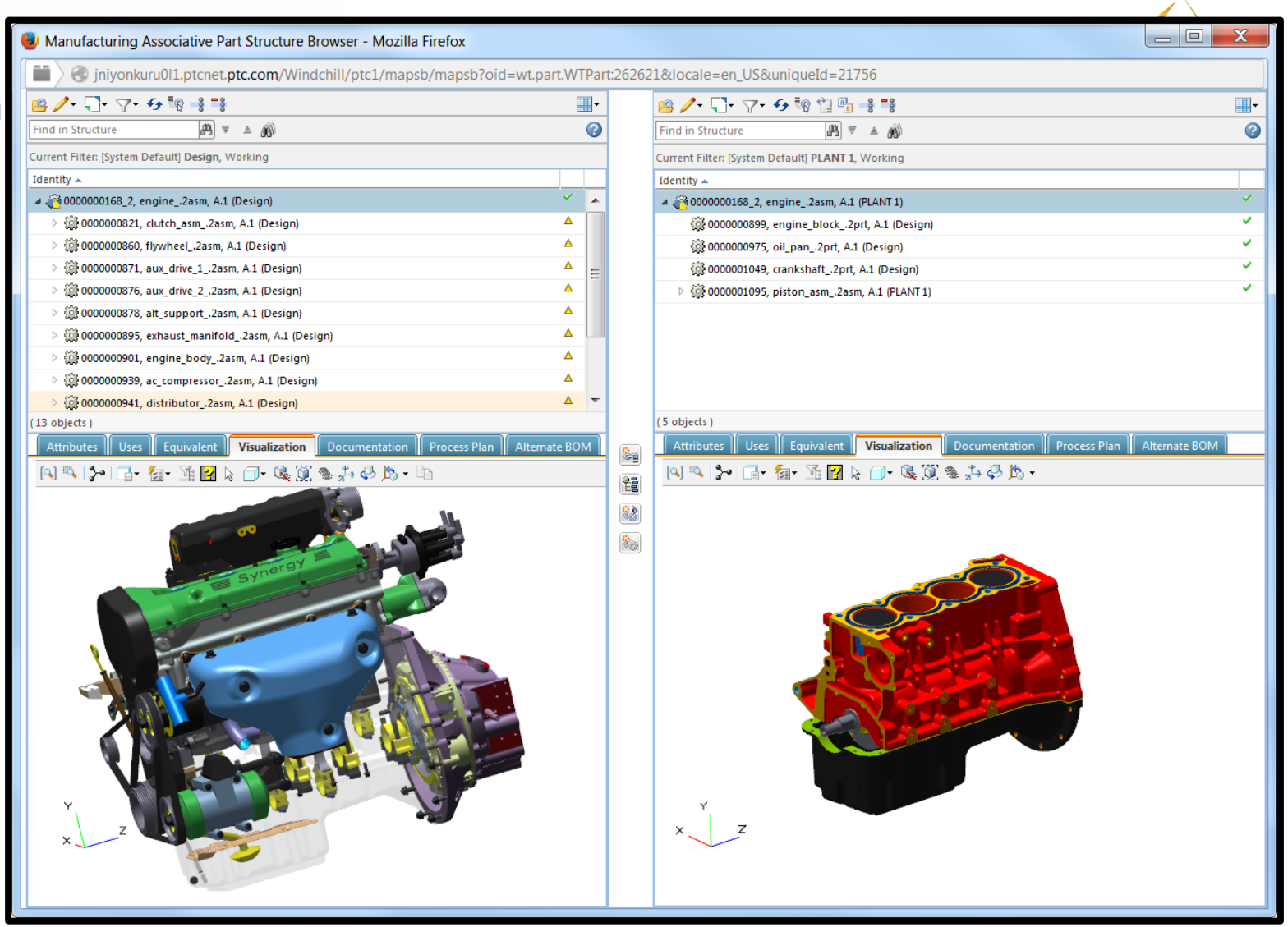
Collaborative Development: New User Experience

1. More Visual Environment
   - Better 3D integration
2. Improved Performance
   - Enhanced support for multiple site: 100 times
   - Action Performance: 5 to 20 times
3. Usability
   - Reduce multiple windows
   - Streamline tasks



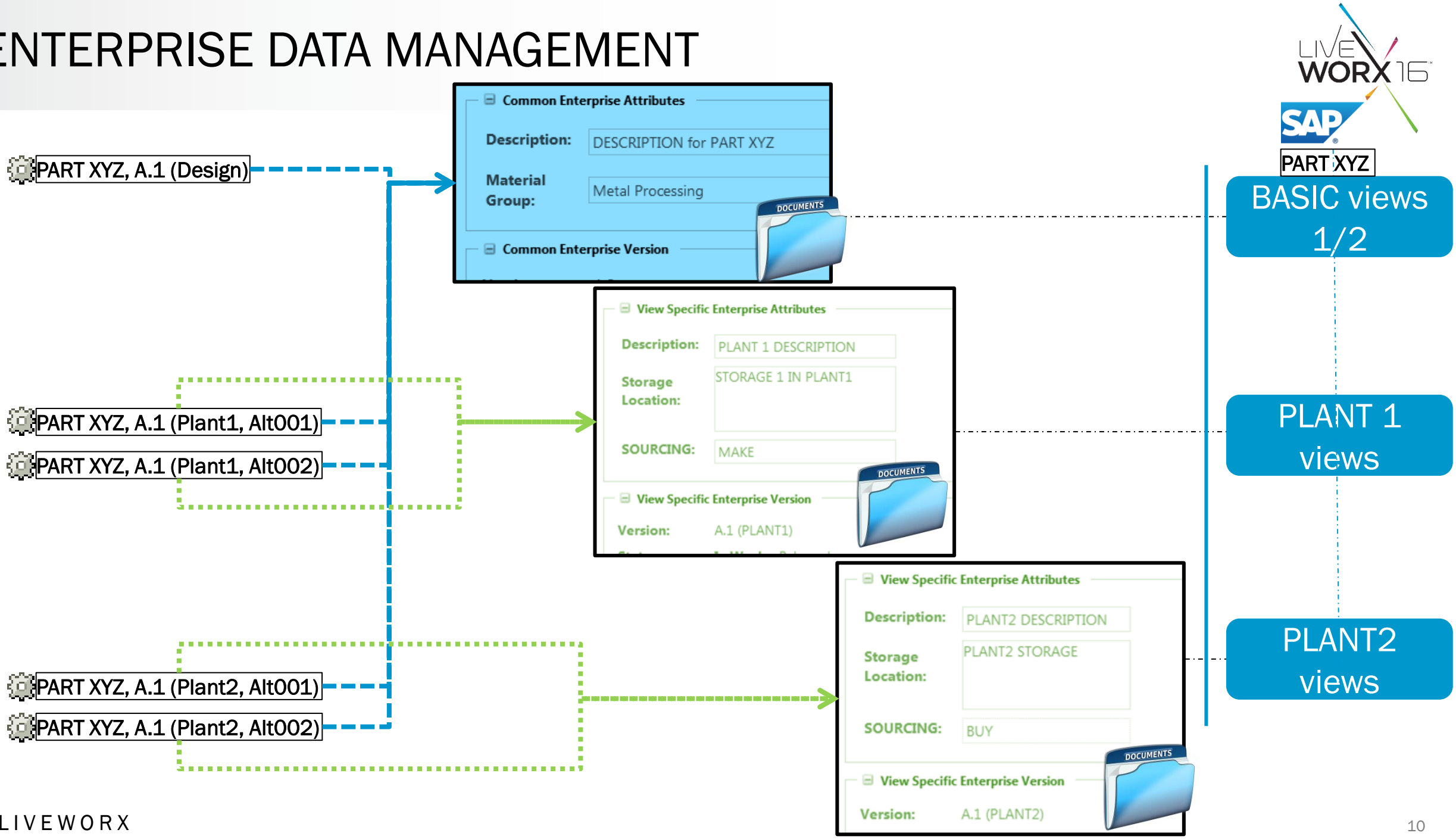
BOM TRANSFORMATION CORE

- Implement Core for BOM transformation actions:
  - Paste As New Branch
  - Paste As Is
  - Paste As New Part
- Manage Equivalent Part Link:
  - Self Link On/Off
  - Multiple EL Update
  - Remove completely Equivalency
- 3D integration
- Manage mBOM related information:
  - Attribute Tabs
  - Documentation Tab
  - Use Tabs



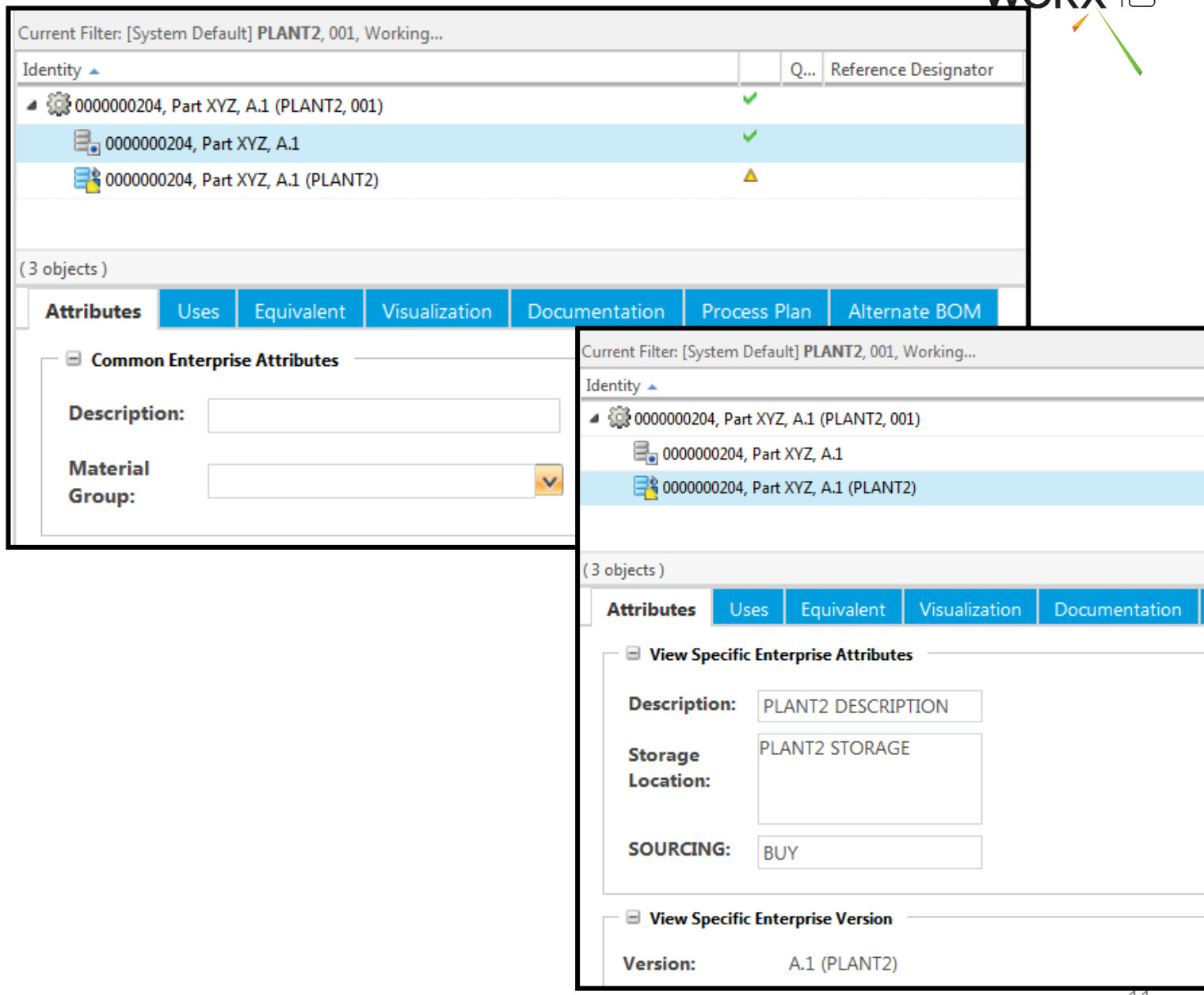
Forward looking information is subject to change without notice

ENTERPRISE DATA MANAGEMENT



ENTERPRISE DATA

- No need to create view just for attributes or associations. Only for BOM differences
- ESI complaint



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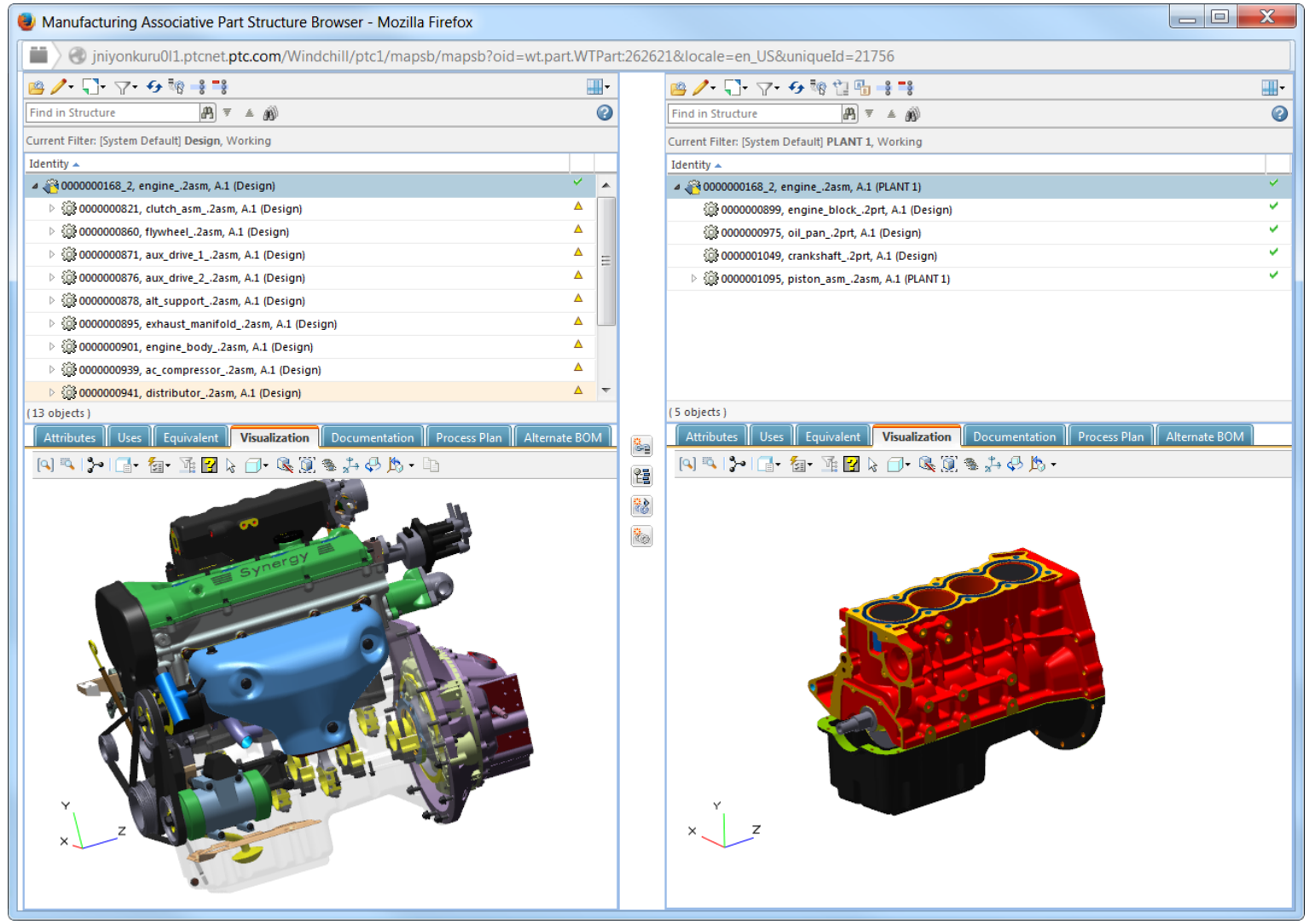
EQUIVALENT OCCURRENCE PATH

- Manage Equivalent Occurrence Paths
  - Traceability on occurrence level
  - Render Consumed Parts in Phantom
- Manage split of quantity at occurrence level
- Manage Positioning Traceability



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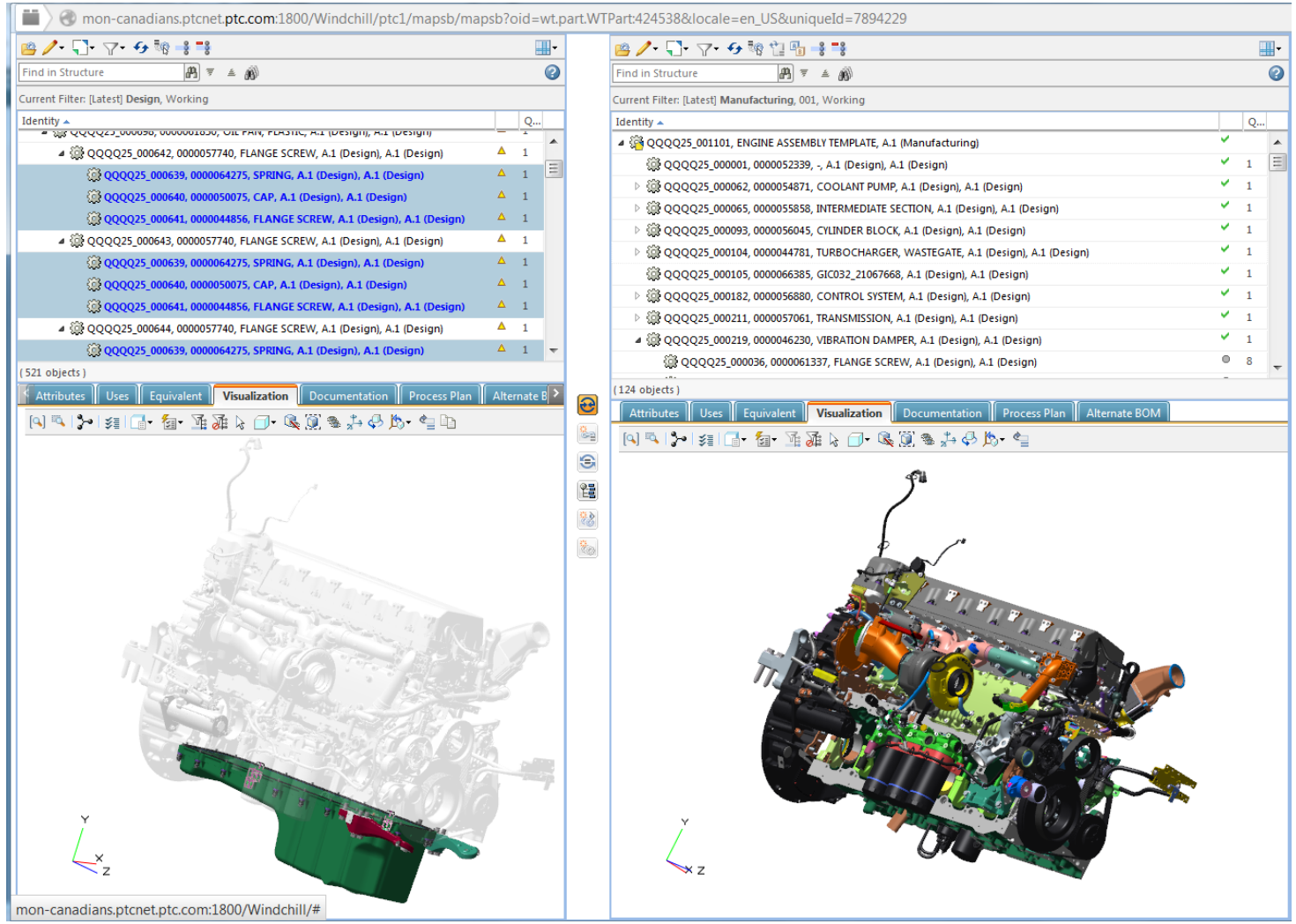
UPSTREAM DOWNSTREAM RECONCILIATION

- Quantity Discrepancies:
  - In Tree highlight quantity discrepancies
- Update Equivalency:
  - Reconcile 2 BOM's equivalencies



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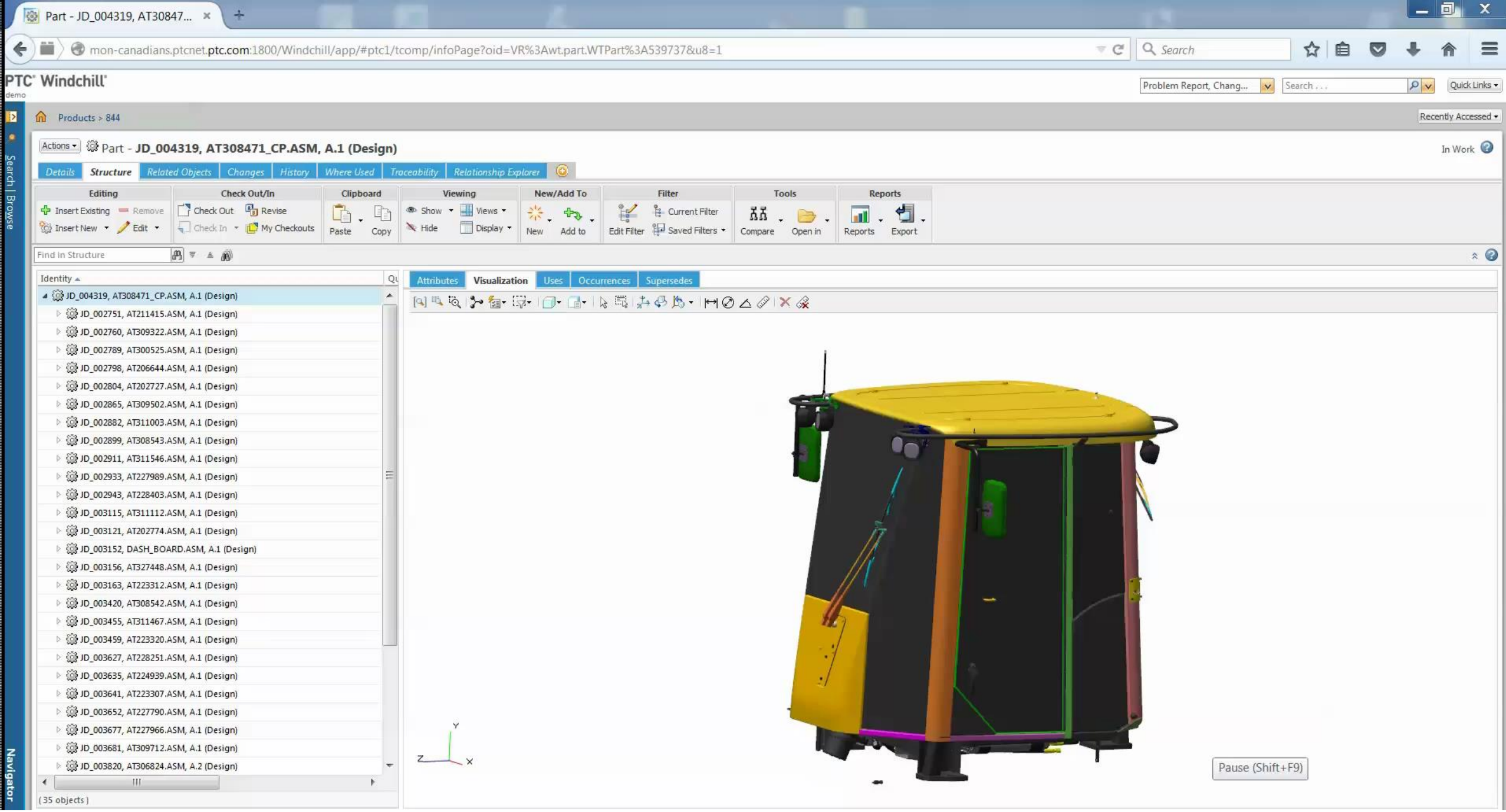
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PTC Windchill
demo
Problem Report, Chang...
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Recently Accessed
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In Work
Details
Structure
Related Objects
Changes
History
Where Used
Traceability
Relationship Explorer
Editing
Insert Existing
Remove
Insert New
Edit
Check Out/In
Check Out
Revise
Check In
My Checkouts
Clipboard
Paste
Copy
Viewing
Show
Views
Hide
Display
New/Add To
New
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Compare
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Reports
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(35 objects)
Attributes
Visualization
Uses
Occurrences
Supersedes
Y
Z
X
Pause (Shift+F9)
Search | Browse
Navigator

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XBOM VISION

Core
- Performance (HTML Enablement)
- BOM Transformation core actions

Occurrence Management
- 3D Integration
- Consumption Rendering

Enterprise Data
- Plant Specific Data management
- Alternate BOM's

BOM Reconciliation
- Discrepancies Search
- Synchronisation of eBOM and mBOM

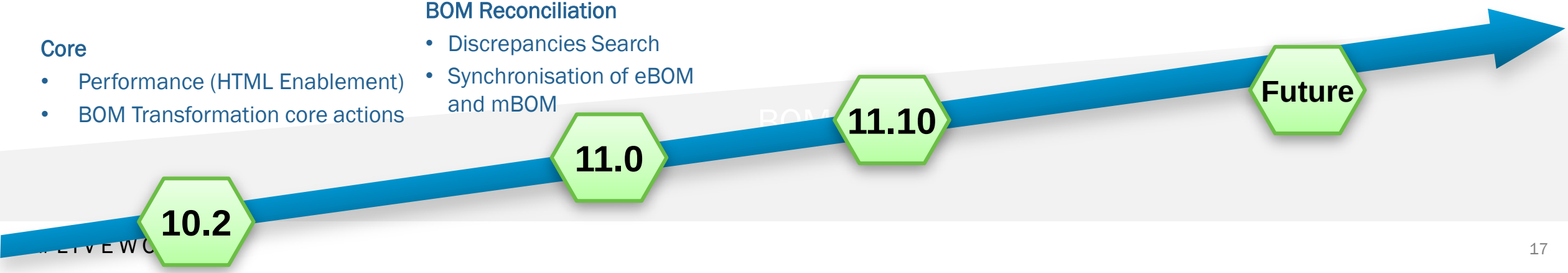
Associative Configuration
- Propagate and synchronise Options from Upstream to Downstream

Usability
- Capability to define BOM Transformation rules e.g mapping Type, Folder, etc…

Multiple Variants
- Allow to create multiple downstream BOM's from multiple Upstream BOM SKU's.
- Ability to reconcile multiple BOM variants at once

Associative Configuration
- Propagate and synchronise Effectivity from Upstream to Downstream

Usability
- Assist BOM transformation: Quantity Update, Short Cuts, Better Selection, Tree Highlight, Auto Allocation etc…
- Assist BOM Reconciliation



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