PTC[®] Live Global

PTC 310 - Moving to MBOM (Unifying Engineering and MFG Planning) with PTC Windchill MPMLink

Jean-Claude Niyonkuru (JC) Solution Manager Director





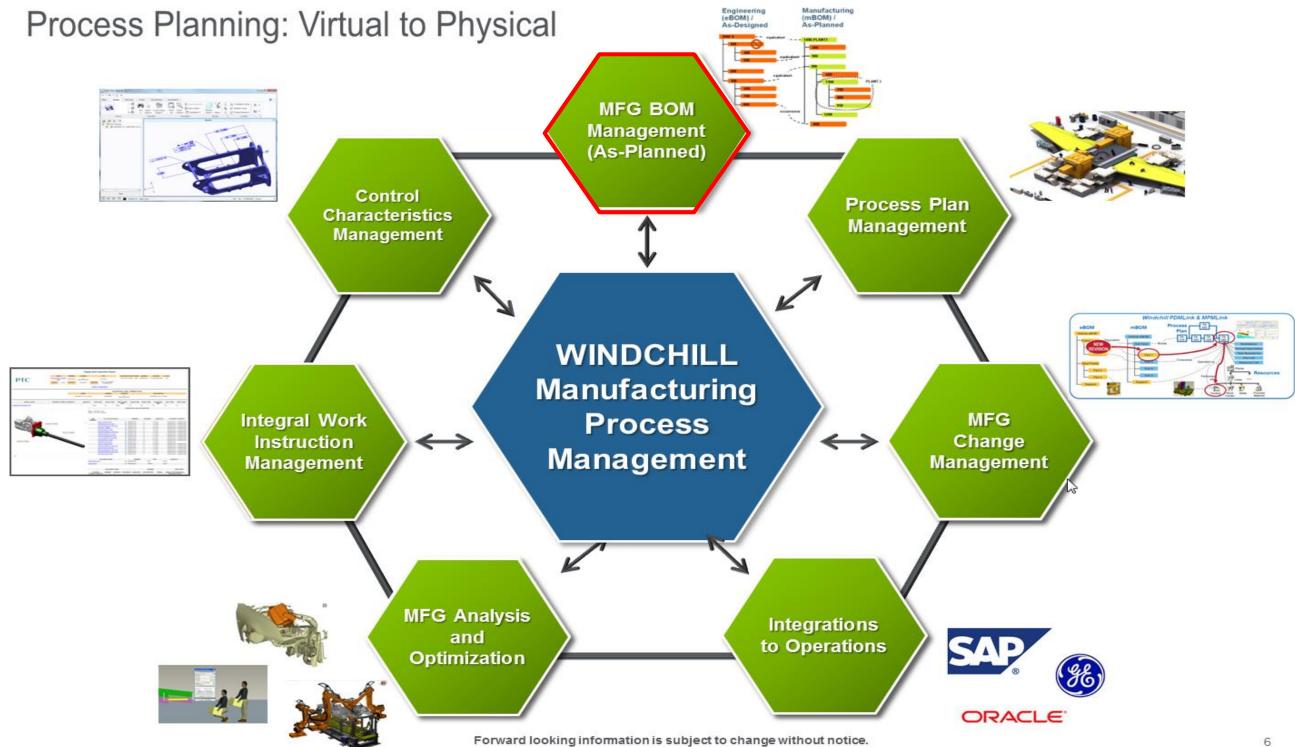
- PTC Windchill MPMLink Associative BOM Value Proposition
- Associative BOM in PTC Windchill MPMLink
- 10.3 Preview (Demo)



PTC Windchill MPMLink Associative BOM Value Proposition



PTC Windchill MPMLink Capabilities





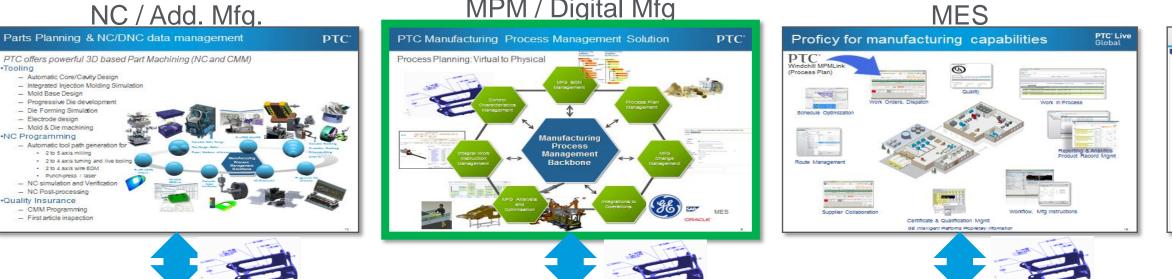
PTC Manufacturing Solutions

PLANNING

PTC[®]







PTC Windchill PLM / SLM



ERP and Business Systems

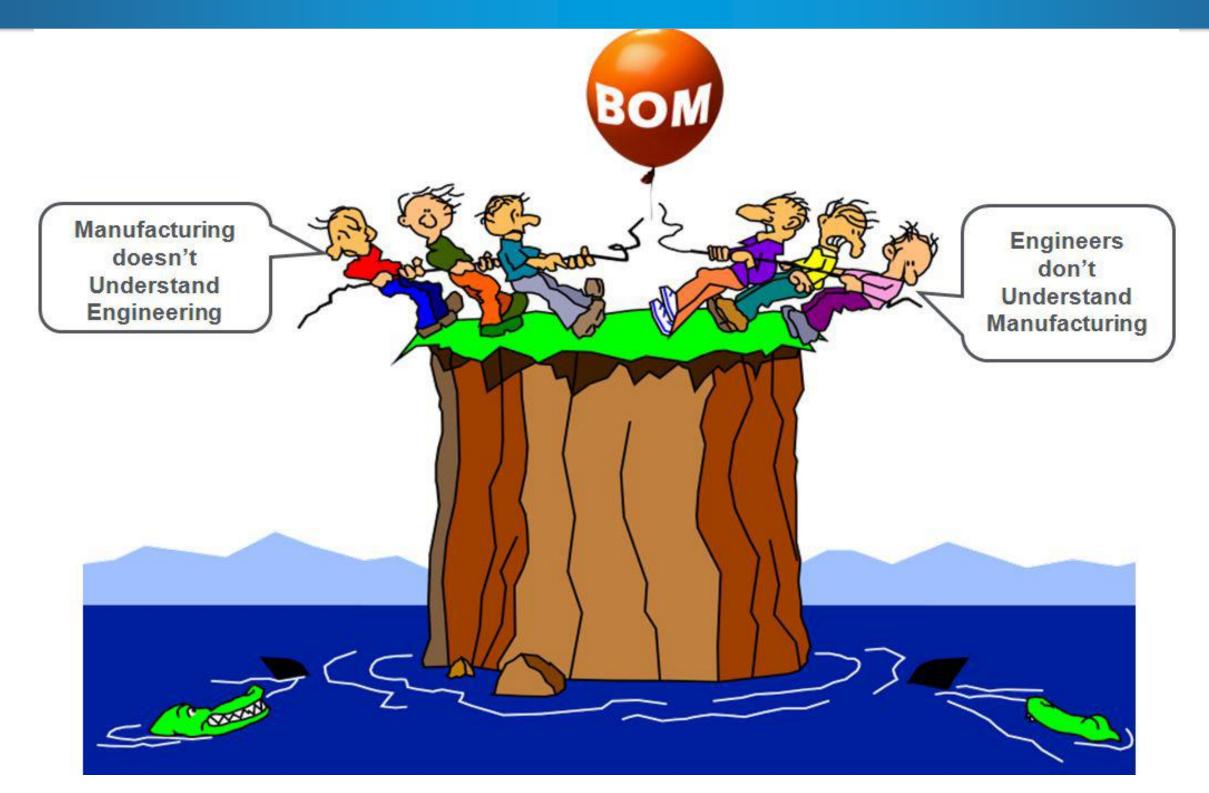


Your Goal

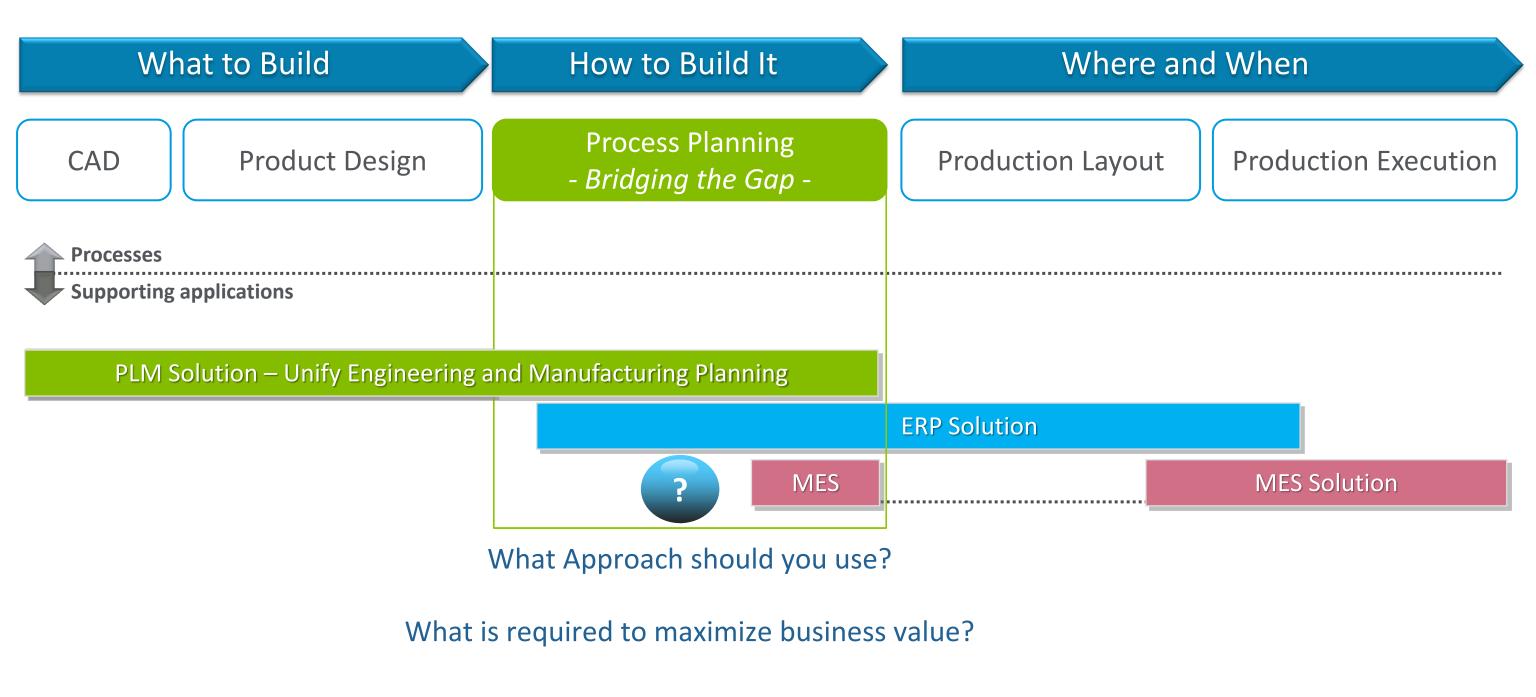
Gain competitive advantage through improved process planning

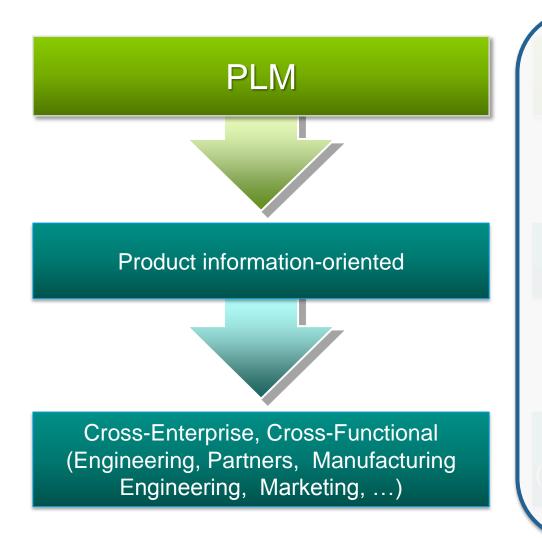


MBOM Problematic



Process-Planning Approach





PLM MANUFACTURING PROCESS MANAGEMENT **IS THE RIGHT APPROACH:**

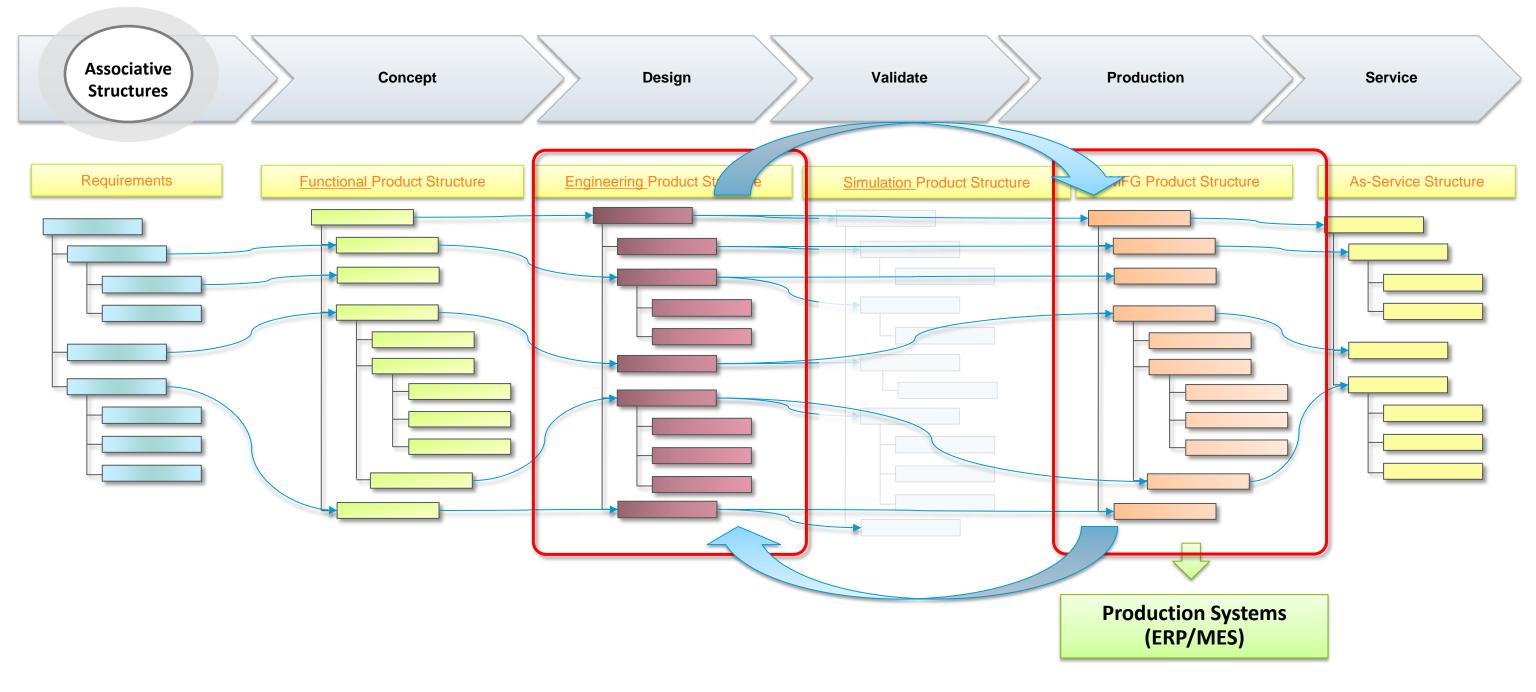
- Provides a combined design and process planning platform
- Digital process-planning directly from design data
- Integrated change and configuration management
- Validation and Optimization of the Processes



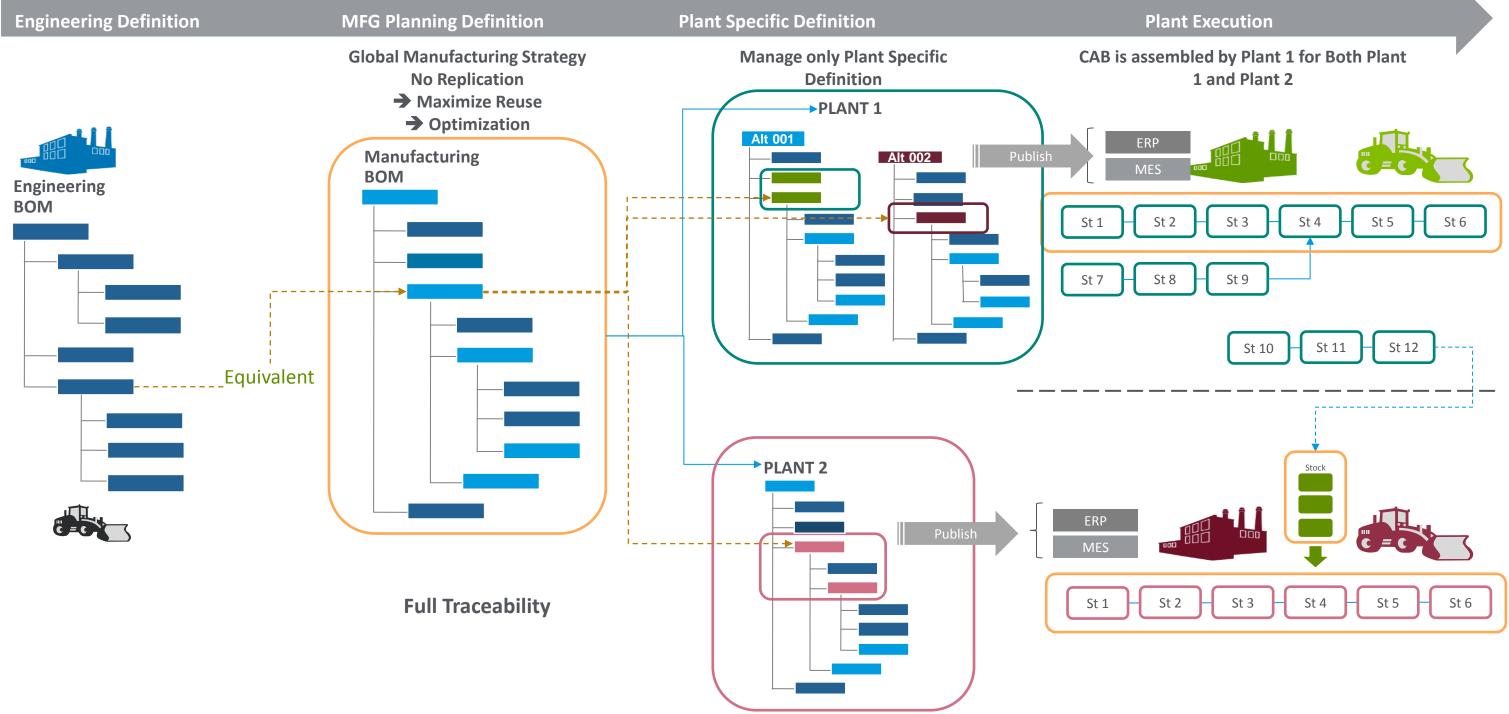
Associative BOM in PTC Windchill MPMLink



Mastered BOM in Single System



Unify ENG and MFG: Associative EBOM and MBOM Management



Associative EBOM and MBOM Management

Associative EBOM & MBOM

Role based views of product information that update to remain in-synch

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Reduce errors; en production

Service Product Structure Explorer [1] : Edit

File Edit View Selected Help

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PTC° Live Global

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Detailed Report: BOM Comparison and Reconciliation

Detailed Reports

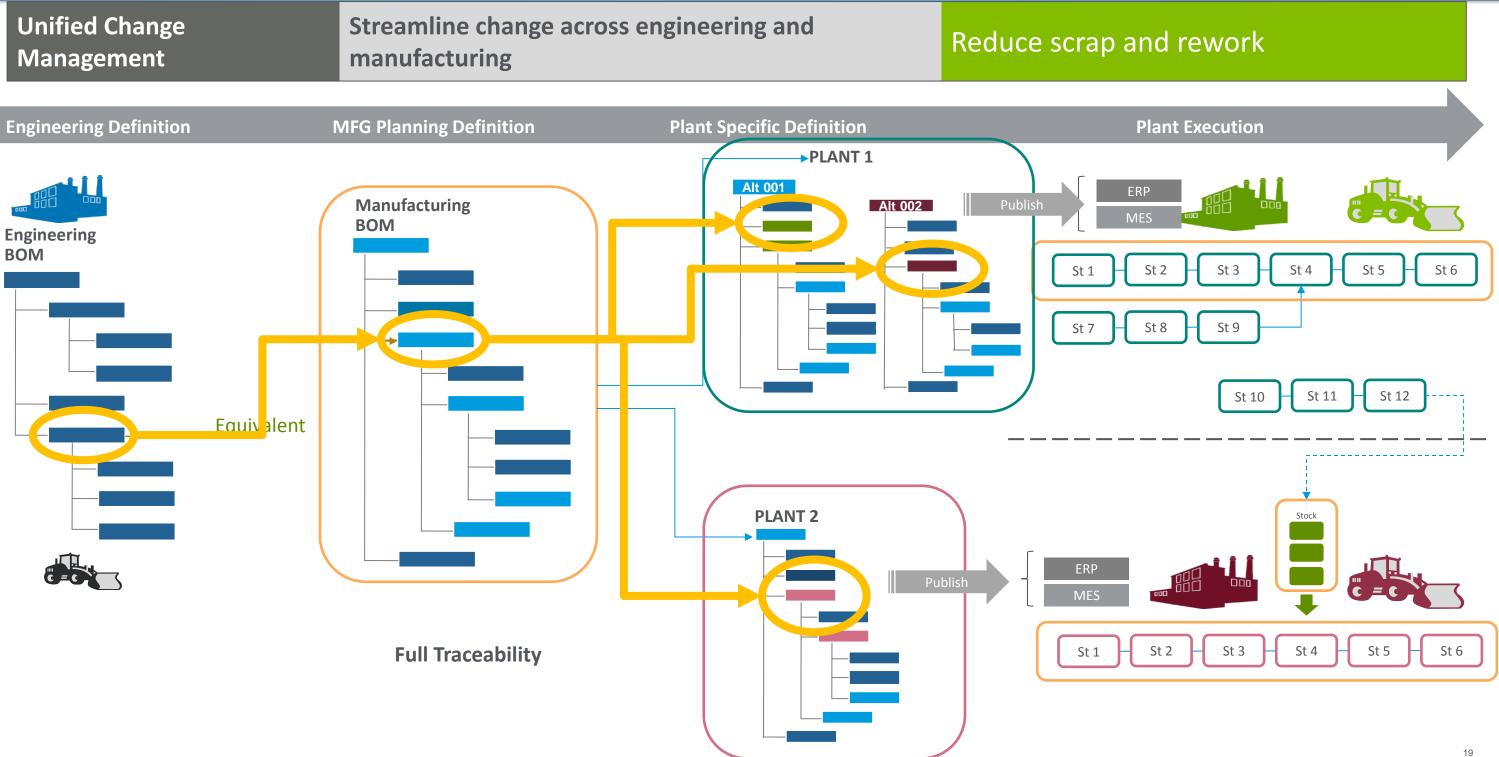
Quickly compare and contrast different versions and iterations of product information

Improved quality

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Unify Change Management



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Key Unify Engineering and Manufacturing Process Capabilities

3D Design Data in MFG Process

Leverage rich design data to create manufacturing information*

Improved planning decisions

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Key Unify Engineering and Manufacturing Planning Capabilities

Automatic Publish to	Ensure information is up-to-date in production	Speed time to pro
MES/ERP	systems	Speed time-to-pro

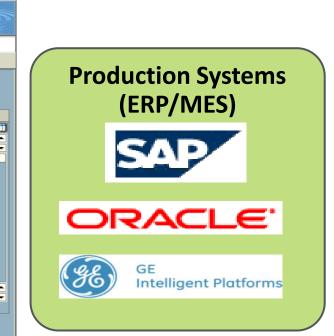
- Automatically exchange and share product and manufacturing content using secure and reliable technology
 - Out-of-the-box Integration to SAP and Oracle Manufacturing
 - Flexible and open framework for integration to other systems

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•mBOM		1100 MPT1 Lock Gauge Pane (U Bracket)	
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CAPABILITIES		BEN
Associative EBOM & MBOM	Role based views of product information that update to remain in-synch	Reduce errors; ena production
Detailed Reconcilitation Reports	Quickly compare and contrast different versions and iterations of product information	Improved quality
Unified Change Management	Streamline change across engineering and manufacturing	Reduce scrap and
3D Design Data in MFG Planning	Leverage rich design data to create manufacturing information*	Improved planning
Automatic Publish to MES/ERP	Ensure information is up-to-date in production systems	Speed time-to-pro



NEFITS

hable faster time to

rework

ng decisions

oduction

PTC[°] Live Global

10.2

eBOM mBOM : BOM Transformation Core

- Implement Core for BOM transformation actions:
 - Paste As New Branch
 - Paste As Is
 - Paste As New Part
- Manage Equivalent Part Link (No Occurrence Link)
- 3D integration
- Manage mBOM related information:
 - Attribute Tabs
 - Documentation Tab
 - Use Tabs
 - Process Plan
- Performance:
 - Multi-Site: 100 times
 - Action Performance: 5 to 20 times

Manufacturing Associative Part Structure Browser - Mozilla Firefox

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eBOM mBOM : Advance Transformation

• Alternate BOM:

- Alternate BOM
- Different BOM Types e.g. Costing

• Multiple BOM's :

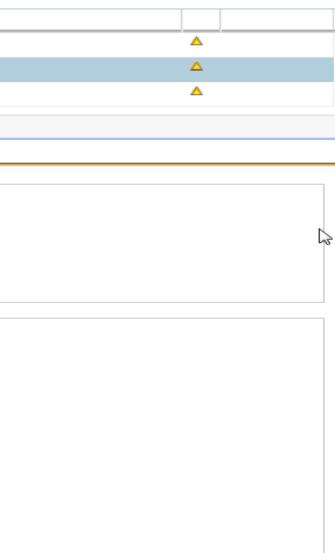
- Ability to create mBOM from existing by maintaining links
- New Downstream Part Variants

Manufacturing Associative Part Structure Browser - Mozilla Firefox	:			
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Last Modified: 2015-03-13 10:48 EDT			Last Modified: 2015-03-13 11:24 EDT	
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eBOM mBOM 10.2 M030: Enterprise Data

- Manage Enterprise Info on Part level:
 - Define and Manage attributes and association valid for all view versions of a master
- Manage Plant Info on Part level:
 - Define and Manage attributes and association valid for all BOM Type or Alternate BOM of a specific VIew)

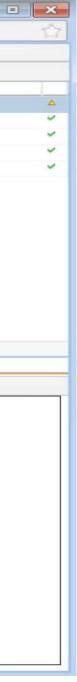
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Demo

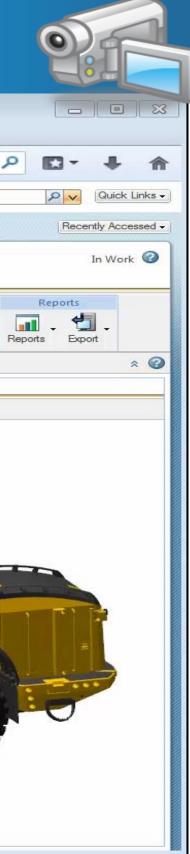
More Usable ---- Visual ---- Performing

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Demo: eBOM mBOM

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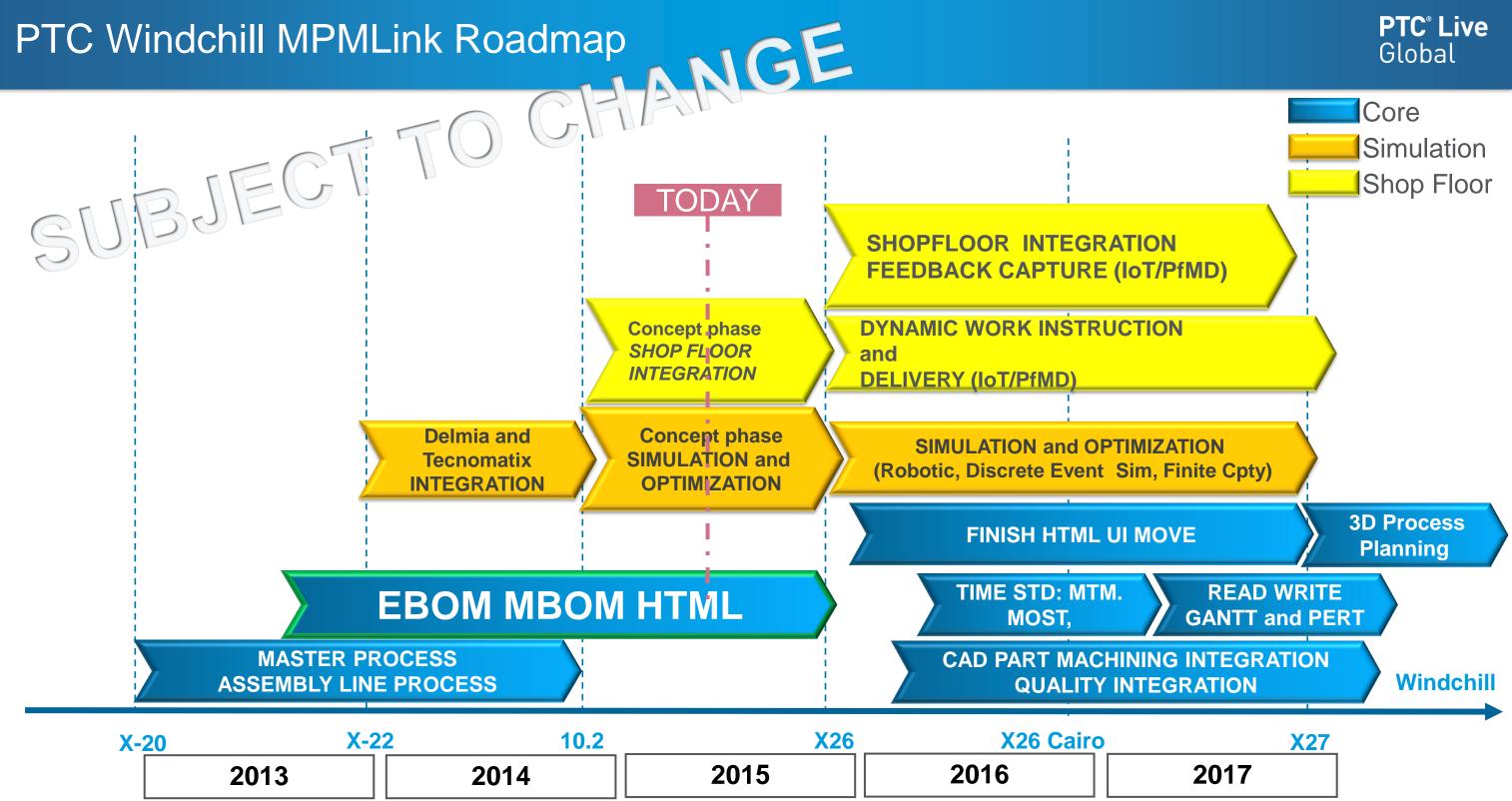
PTC[°] Live Global



X26 Candidates

- Access Control based on View
- Equivalent Occurrences
- Integration of 3D (Phantom mode)
- Discrepancies Analysis

PTC Windchill MPMLink Roadmap



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