PTC[®] Live Global

Retail PLM Solution Update

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PTC Retail Strategy – A Two Prongs Approach

Maintain growth in Retail PLM L.L.Bean NORDSTROM UMBRO LAREDOUTE patagonia (Colony [ANDS'ENT] Reebok >

KERING

Become a Retail IoT leader



Where are we today?





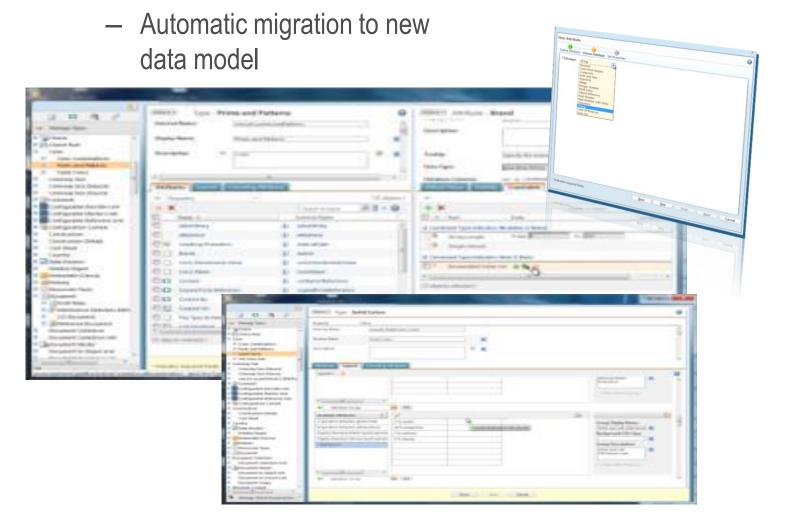
- Largest single release effort for FlexPLM in the last 10 years
- Bringing together Windchill PDMLink and FlexPLM for broader cross product integration
- Leveraging Windchill Upgrade Framework



Q3 CY15	Q1 CY16	Q3 CY16	Q1 CY17	Q3 CY17	Q1 CY18
FlexPLM 10.1 M050	X26	Athens	Berlin	Cairo	Dresden
D Update	* •	(V) Update	D Update	* •	D Update
Internet Explorer 11	UPGRADE	Forward looking information is	subject to change at any time without notice	UPGRADE	

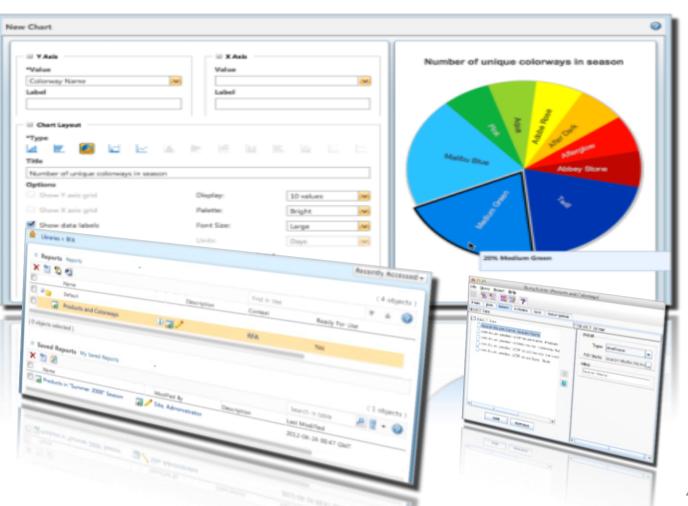
Enterprise Scalability

- Simplified product configuration
 - Windchill Type Manager extended to support FlexPLM data model and attributes
 - Modern user interface for improved usability:



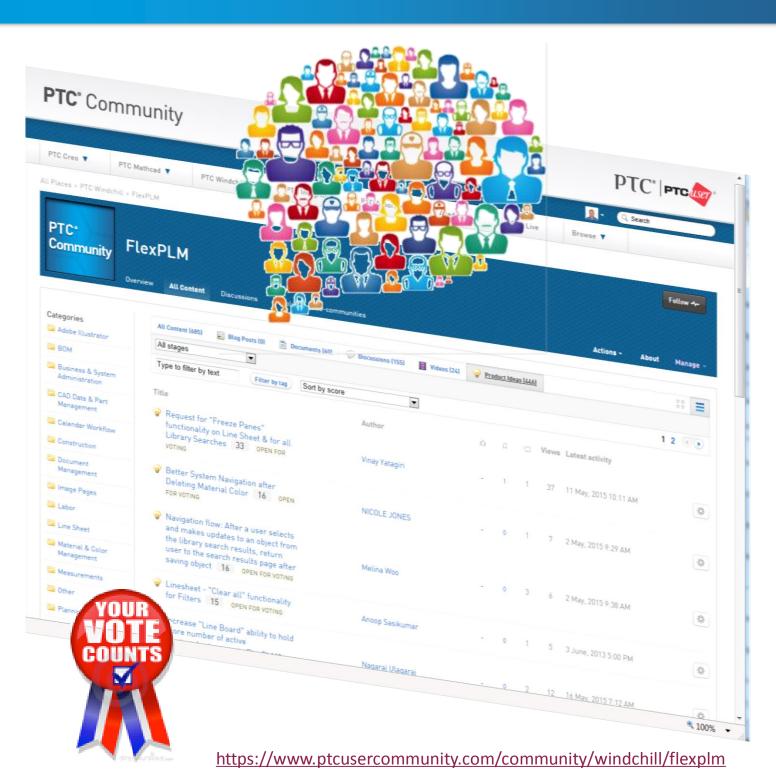
Flexible Reporting

- Simpler report creation via "query building" GUI
- Support for charting of report results
- Automated report generation and scheduled delivery



Customer driven enhancements

- Create material-color sample from palette
- View material-color samples and attributes from palette
- Edit the name of product and colorway level line boards
- Export the line sheet to Excel, including line sheet name • Remove multiple components from a spec
- Better system navigation after deleting a material-color
- Remove default check for update measurement set
- Better messaging for Update POMs and Reapply POMs buttons
- Add a material (without a thumbnail) to a design card



Customer driven enhancements



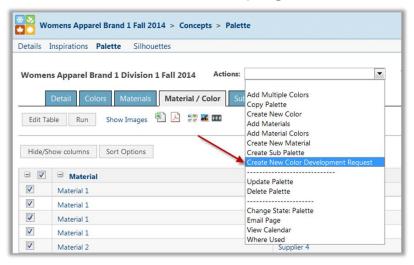
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Key Features

- Enables a view of materials-colors for a particular season as well as the ability to create samples from this "filtered" view.
- Select one or more materials from a season palette and choose the Create New Color Development Request action from the drop down

Value

 Less navigation and increased speed in creating samples due to easy grouping of material-colors and sample action combined on one page



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Key Features

- Ability to view material-colors for a particular season palette and also view related sample data
- Define palette views to include both sample name and sample attributes
- The view will include all samples on the material-colors (it does not filter samples by season)

Value

 Less time spent in the sample or material libraries trying to filter for material groups that are relevant to a particular season as well as their sample data

Detail Colors Materials Material / Color Sub Palettes							
Edit Tal	ble Run S	Show Images	<u> </u>	1			
Hide/Sh	Hide/Show columns Sort Options						
	☐ Material	☐ Supplier	□ Color	☐ Request Name	□ Name	Quantity	
	Material 1	Supplier 2	Color 13	Lab Dip	Sample - 1	1	
	Material 1	Supplier 5	Color 16	Lab Dip	Sample - 1	1	
	Material 1	Supplier 5	Color 17	Lab Dip	Sample - 1	1	
	Material 1	Supplier 4	Color 19	Lab Dip	Sample - 1	1	

Customer driven enhancements



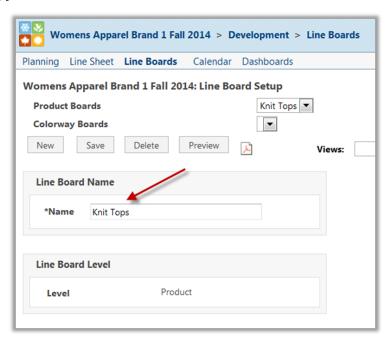
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Key Features

From a chosen product or colorway line board, use new
 Name field to change the line board name

Value

- Users are no loner stuck with an inaccurate line board name.
- Users can avoid deleting a line board and starting over as a workaround to providing a more accurate line board name.



Customer driven enhancements



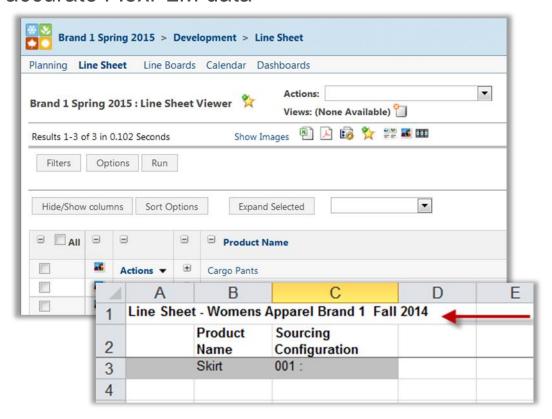
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Key Features

 Line sheet Excel export includes the line sheet name in both the worksheet and the tab label

Value

- Easier to use exports with less manual data entry
- Reduction in errors since the export will include accurate FlexPLM data



Customer driven enhancements



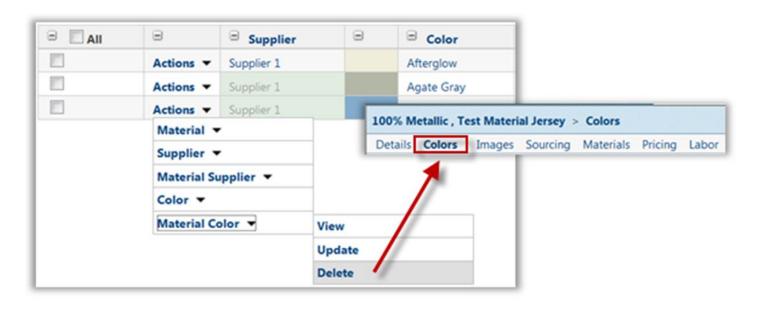
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Key Features

 From the row action of a material-color, deleting a material-color will navigate users back to the material with the color tab selected

Value

 Users will not longer be stuck at a delete successful dead end and will be able to easily continue to delete additional material-colors



Customer driven enhancements



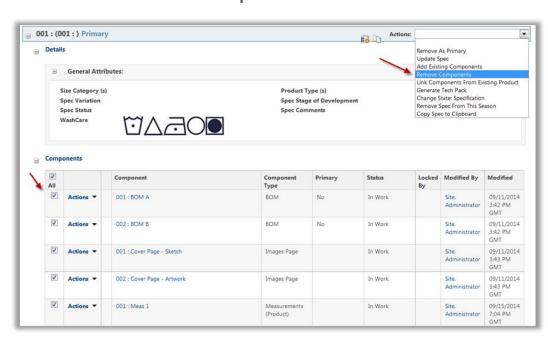
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Key Features

- A new check box column in the spec components table enables the selection of components to be removed
- A Remove Components action added to the drop down provides the ability to remove all selected components in one click.

Value

 Users no longer need to use the row drop down action to remove one component at a time



Customer driven enhancements



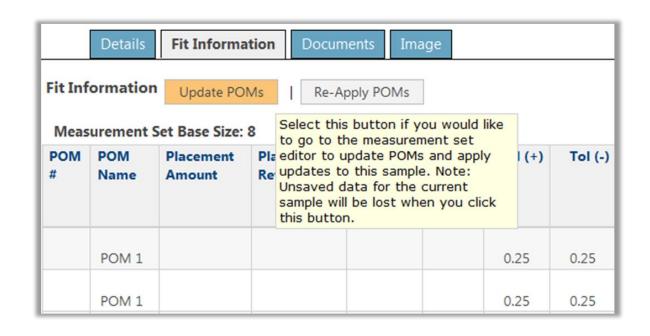
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Key Features

 Both buttons now have updated messaging to inform users of their usage and impacts.

Value

 This will reduce errors since users will understand the system behavior and the risk of losing data when using the buttons.



Customer driven enhancements



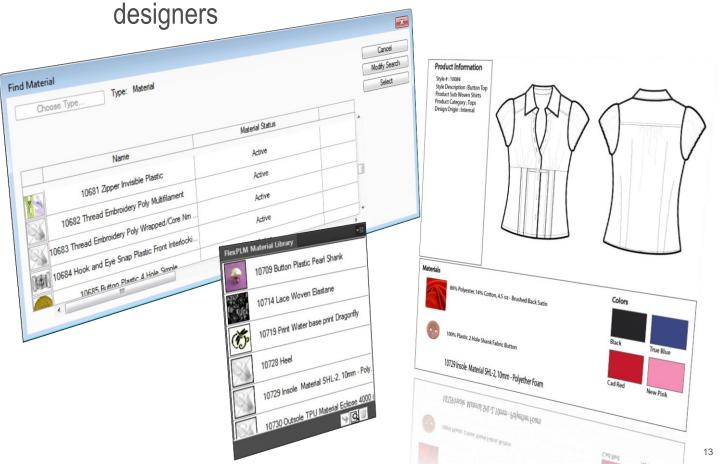
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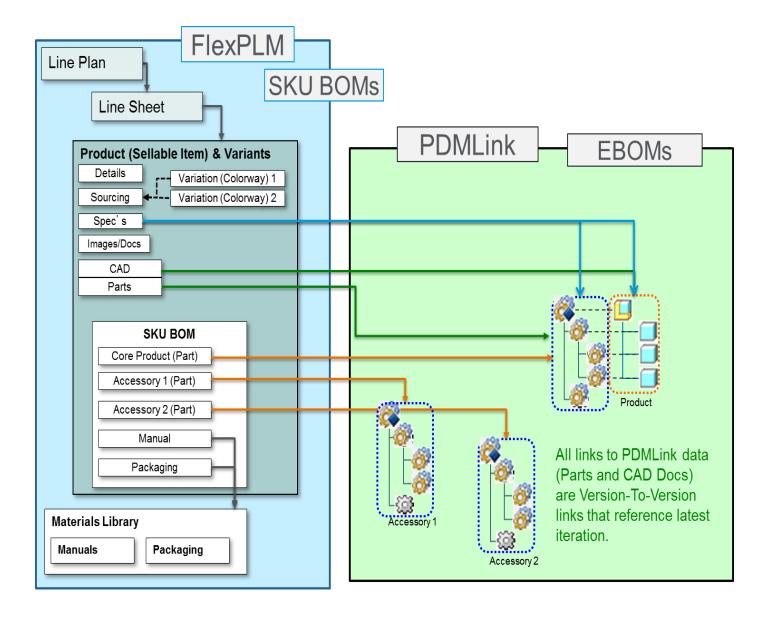
Drag-n-Drop materials without thumbnails from FlexPLM library

Value

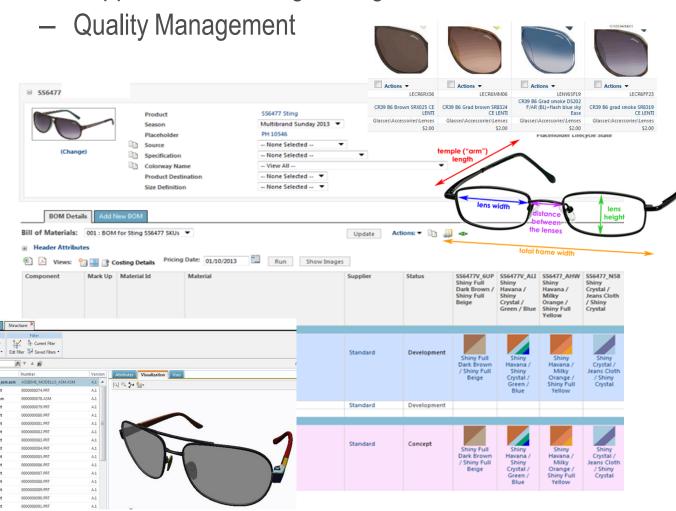
Materials in development can be referenced by designers



FlexPLM Product SKU BOM Management with PDMLink EBOMs



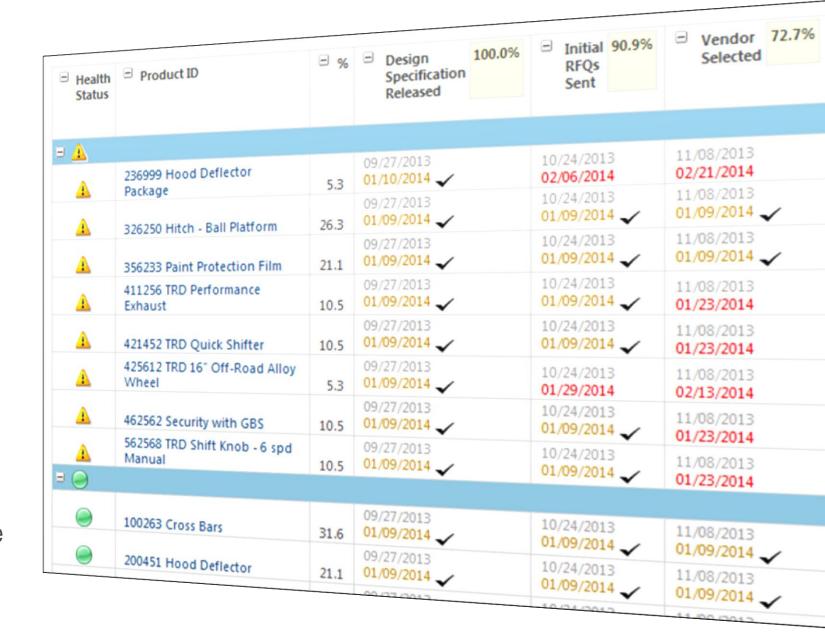
- Season Management & Calendar Management
- Prototype Tech specs, planning and tracking
- Colorways and Hard/Soft BOM Management
- Suppliers & Sourcing Management



Value Ready Deployment TM for Windchill FlexPLM 10.2

Incremental Updates based on Feedback

- Upgraded to 10.2
- Process Changes
 - Product Sets*
- Configuration Updates
 - Multiple updates to configuration based on customer feedback
- Reports
 - Calendar Dashboard option to compare to Product
 Target Dates in addition to Season Target Dates
 - Updates to
 - Material Aggregation Report Colorway-level usage
 - Sample Tracking Report

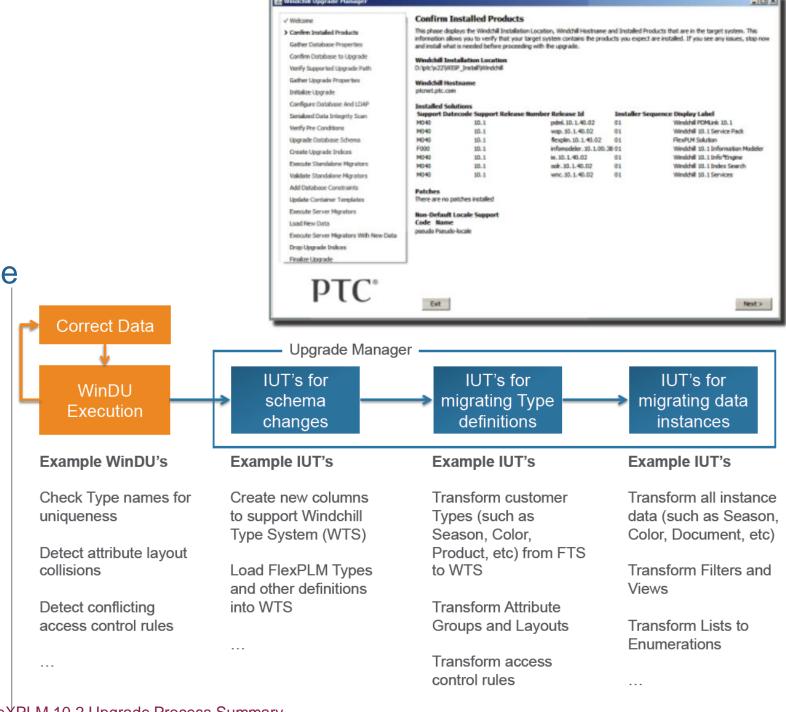


Upgrading to Windchill FlexPLM 10.2

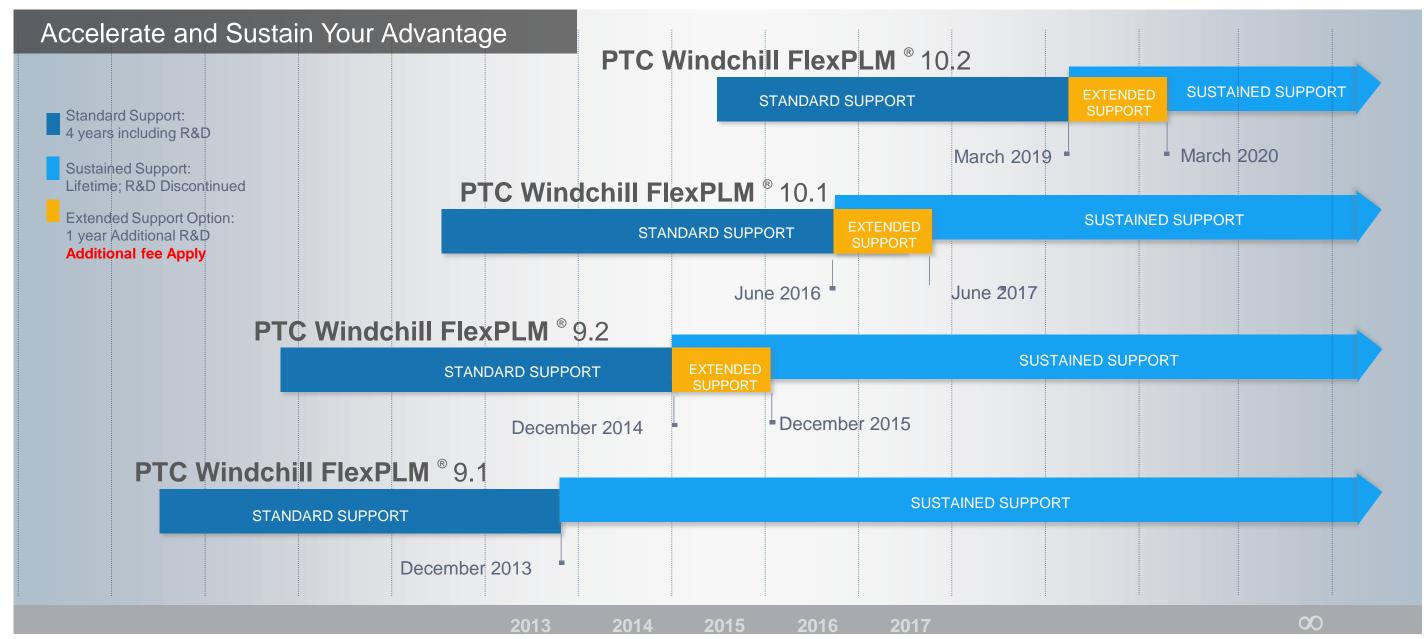
- Two types of approach for any upgrade, regardless of version
 - Migration
 - Upgrade

 Leverage Windchill Upgrade tools to automate Windchill and FlexPLM upgrade tasks

- WinDU (Windchill Diagnostic Utility)
- Upgrade Manager
- Customization potentially impacted by API changes



Introducing "Extended Support" offering for FlexPLM 9.2 and up



For more specific details, please visit the PTC Product Release Calendar http://www.ptc.com/cs/product_calendar/PTC Product_Calendar.htm

Vendor Portal

- Enabling different vendor collaboration models
 - Allow suppliers to create/edit Specification data for internally created Products
 - Allow suppliers to create their own Materials and Products and populate Spec data
 - Allow suppliers to create their own Colors and Artwork

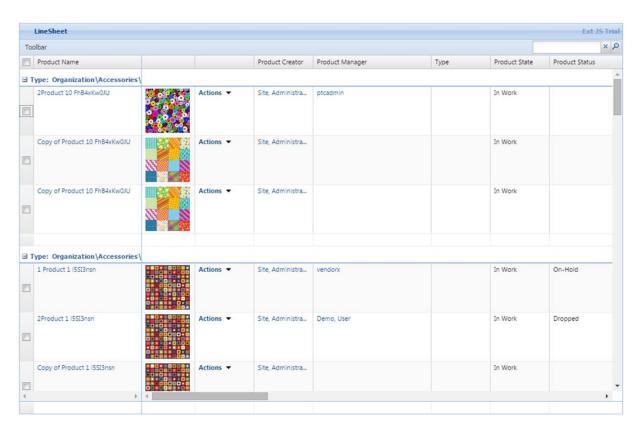
- Managing Supplier-To-Supplier Relationships and Vendor Access
 - Manage supplier relationships depending on their roles
 - Enable data access to products, specs, materials, colors



Usability / User Experience : Parallel track of evolution and Innovation

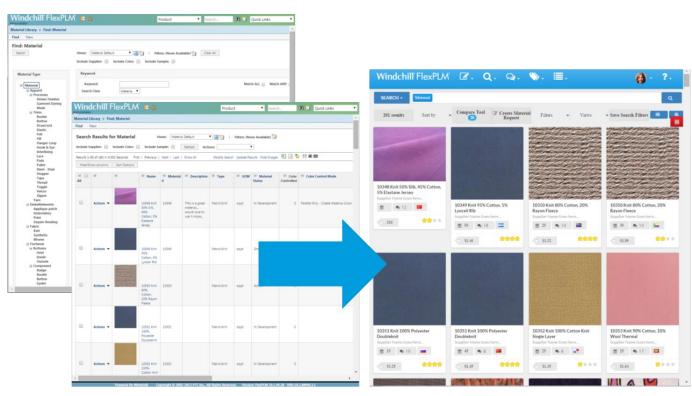
Current FlexPLM application

- Evolve with incremental improvements prioritized by user community
 - Sample Management
 - Freeze Panes



Role Based / Task Based Apps

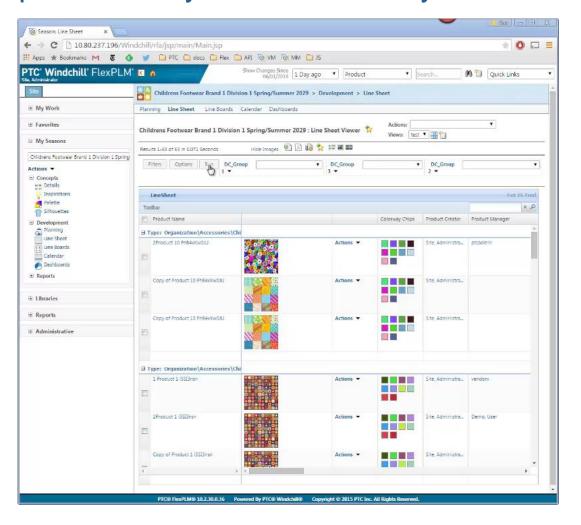
- Decouple backend tier with UI to maintain scalability, performance, flexibility and security
- Develop role-based apps that will eventually replace monolithic UI



Usability / User Experience : Parallel track of evolution and Innovation

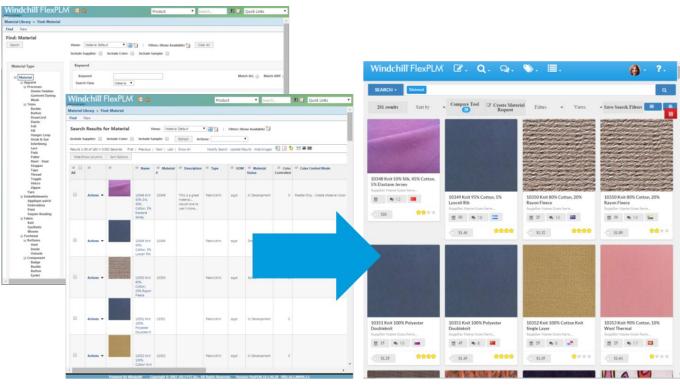
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Role Based / Task Based Apps

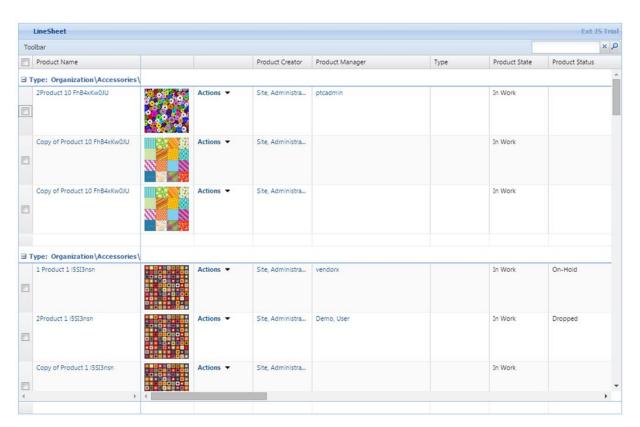
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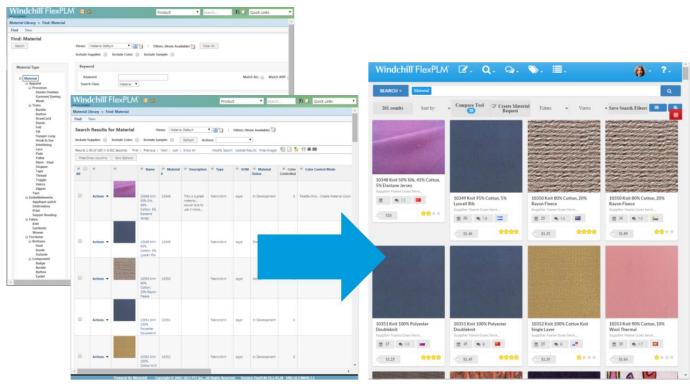
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Role Based / Task Based Apps

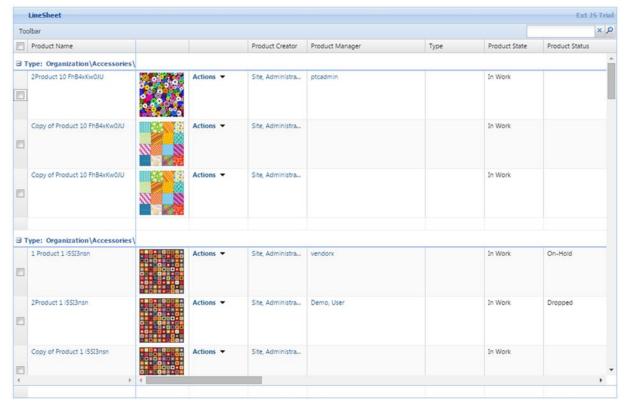
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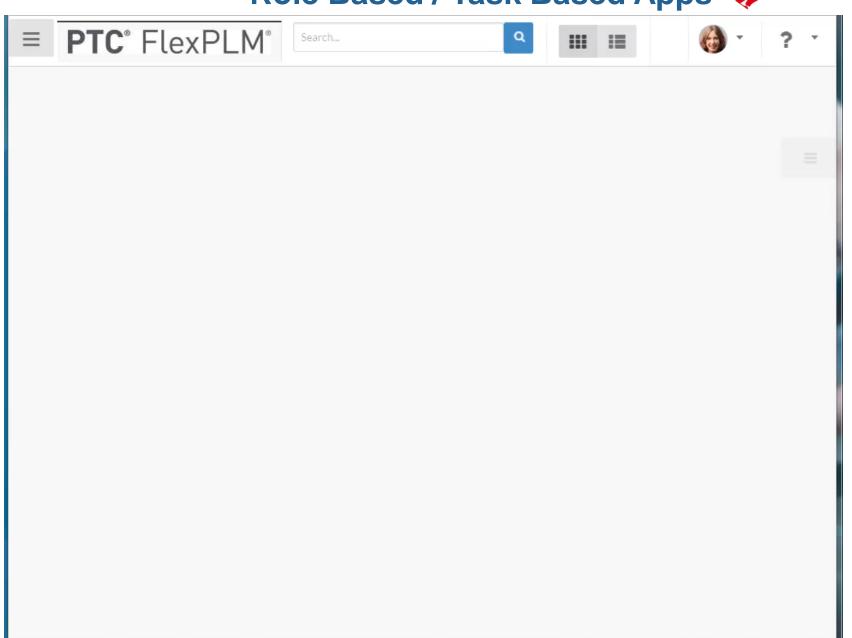
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Innovation Demands



Market Demands



Cost Demands

Technology Trends
Competition
Personalized Products

Omni-Channel
Voice Of the Customers
Region specific Needs

Rising Raw Material Cost

Development Cost

Compliance & Sustainability requirements

Looking Forward – Product Development Innovation "Material First" Development in PLM

Manage critical material development steps in parallel to product development

Material Development Process

Plan

Program #	Program Description	Dept	Units	In Store Date	
2947027	Woven Tops	Womens	10,000	2/1/15	
	Fabric Need:	Poly cotton blend			
4832658	Knit Tops	Womens	8,000	2/1/15	
	Fabric Need:	Merino wool, cash	vool, cashmere / silk blend		
5876246	Knit Tops	Mens	8,500	3/1/15	
	Fabric Need:	Merino wool, cott	on		

Request





Commit / Produce







Materials can be developed / sourced in parallel to product spec development. When appropriate, selected materials can be inserted in product BOMs within impeding development of those BOMs.

Plan

Program #	Program Description	Dept	Units	In Store Date
2947027	Woven Tops	Womens	10,000	2/1/15
	Styles:	Short sleeve ruffled blouse		
		Long sleeve ruffled blouse		
4832658	Knit Tops	Womens	8,000	2/1/15
	Styles:	Crew neck sweater		
		V-neck sweater		
	Fabric Need:	Sweater shawl		
5876246	Woven Tops	Mens	8,500	3/1/15
	Styles:	Henley sweater		



Develop (BOM)



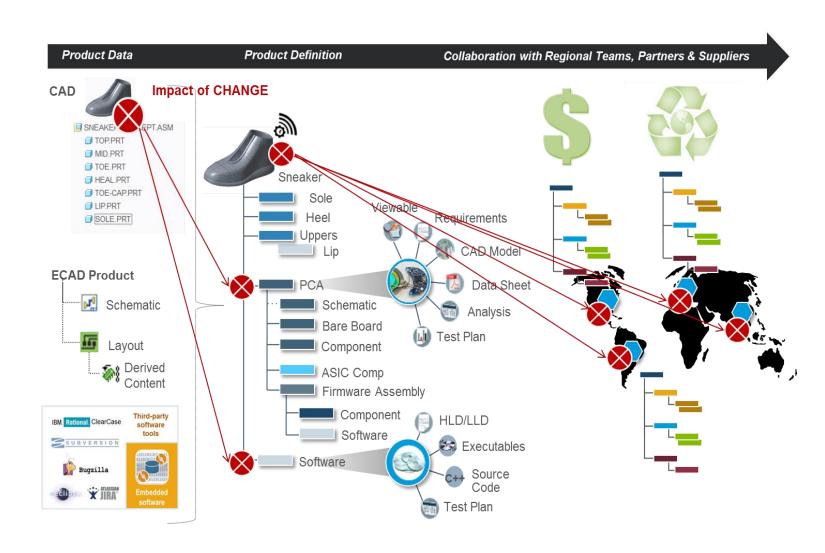
Product Development Process

Looking Forward – Product Development Innovation Manage the complete Product Digital definition

3D Central to product definition



Product Complexity is increasing

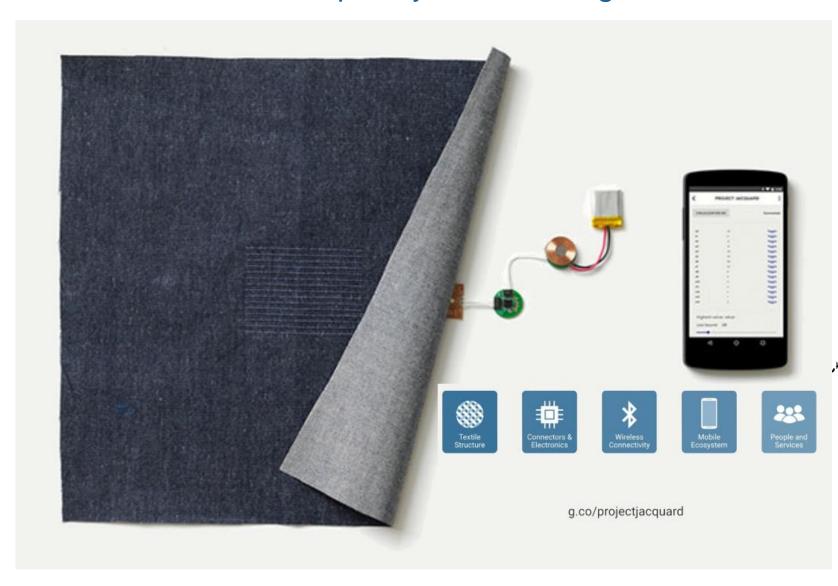


Looking Forward – Product Development Innovation Manage the complete Product Digital definition

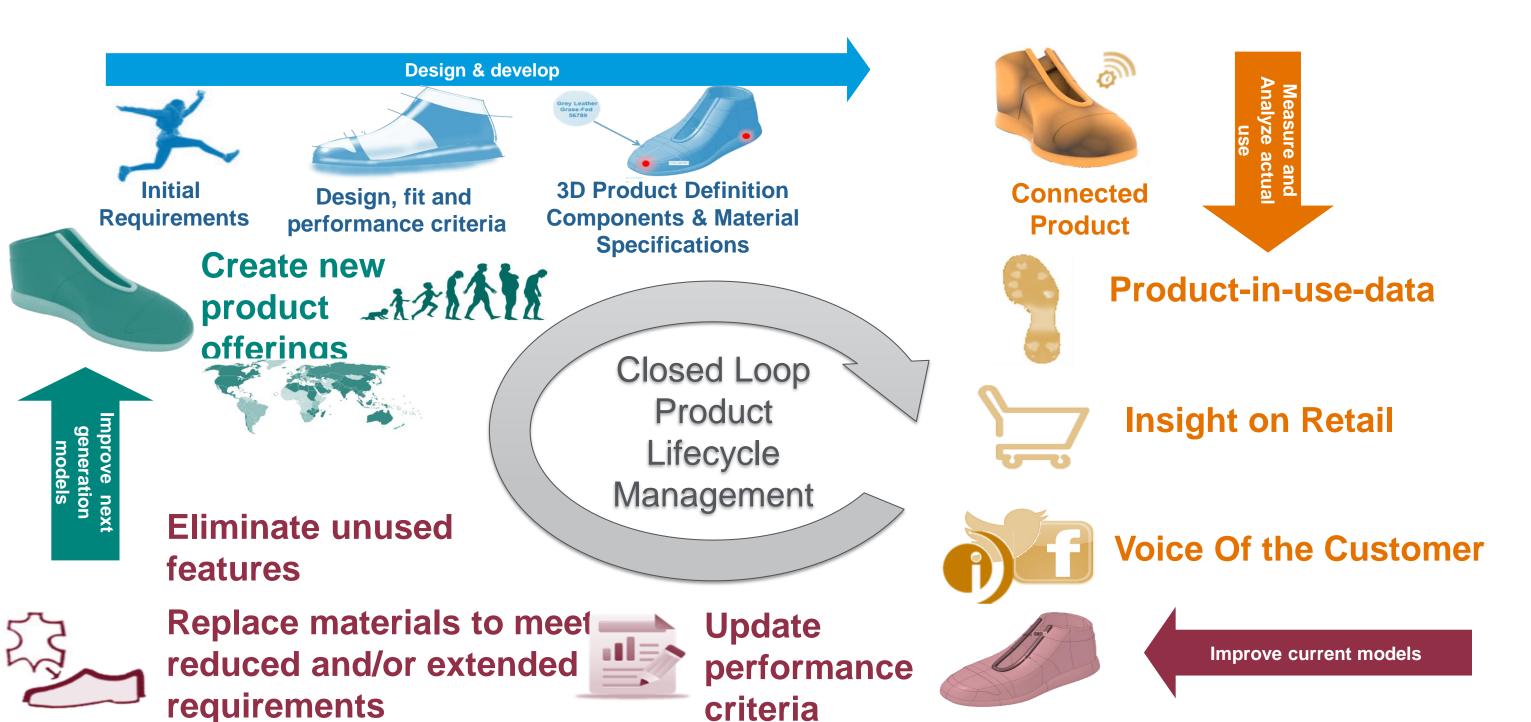
3D Central to product definition



Product Complexity is increasing



Looking Forward – Product Development Innovation "Product performance insight" for Innovation



Partner Update – FIRSTINSIGHT

Expanding breadth through Partnership – Voice Of the Customer

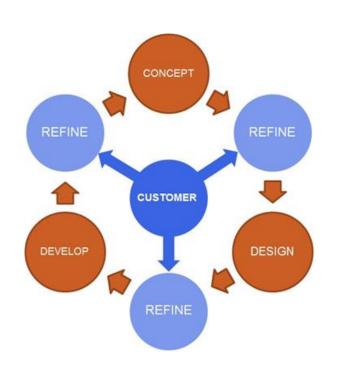


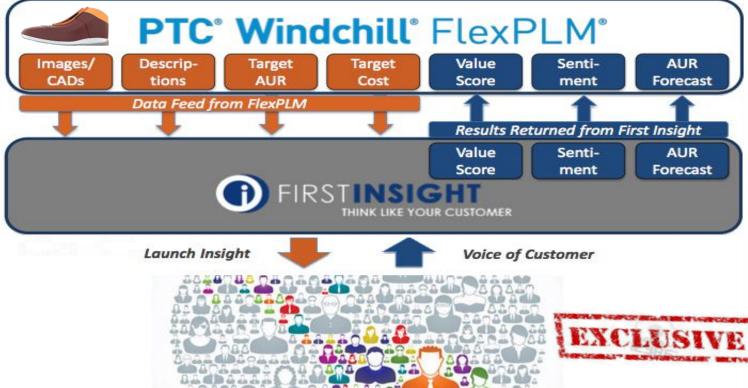
Track trends, identify winning products, and predict demand

...by seamlessly incorporating VOC into the product development process

Consumer test hundreds to thousands of products within 48-72

Integrate First Insight
Product and Pricing
recommendations into
FlexPLM to <u>support Line</u>
<u>Review & Design</u>
<u>adjustments</u>





Partner Update -

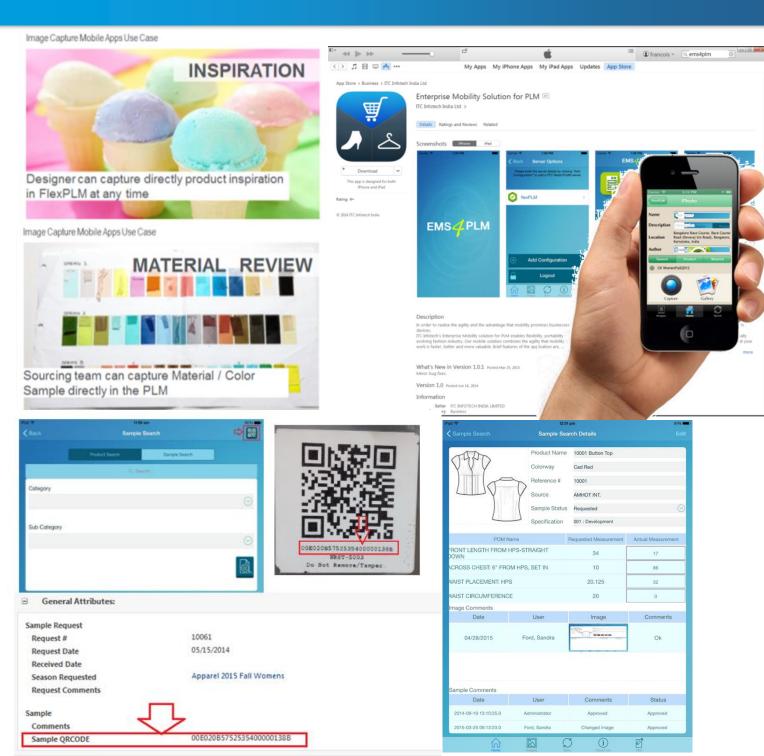


FlexPLM Mobile Application

- Free Apps for Photo Capture on Apple Store
 - Updated on March 2015
 - Integration kit available on PTC Community or through ITC
- Advanced Apps available through ITC
 - Utility: Search, Tasks, Product Creation
 - On- and Off-line Product season catalog review
 - Sample management , now with QR code support
- Customization services provided by



Minimum System requirements:
 FlexPLM 10.1 and iOS 7.1



Partner Update - KALYPSO

Full scope of retail services from innovation strategy through PLM transformation and IoT enablement

- Smart Connected Store **Booth 237**
 - Real-time shopping experience
 - Showcasing benefits to customer and retailer
 - Extract more actionable insights from WHAT YOU ALREADY HAVE
- Services for Enabling Retail Connectivity
 - Connect systems, assets and people
 - Extract insight and drive business value
- **IoT Smart Start Services**
 - Enable your smart, connected products vision
 - Prove the business value
 - Prove the technology

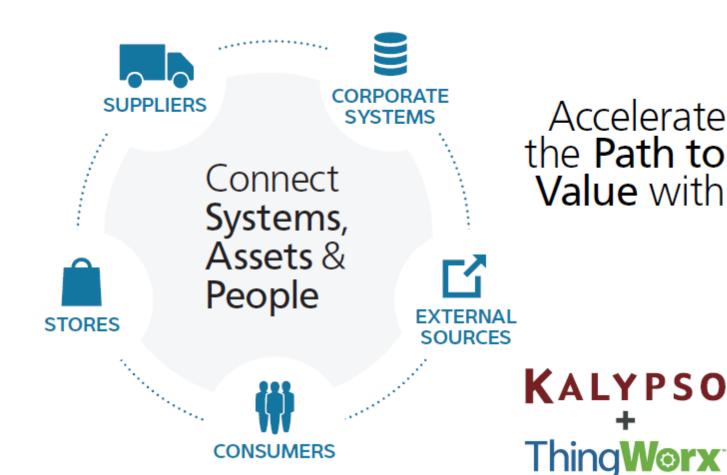






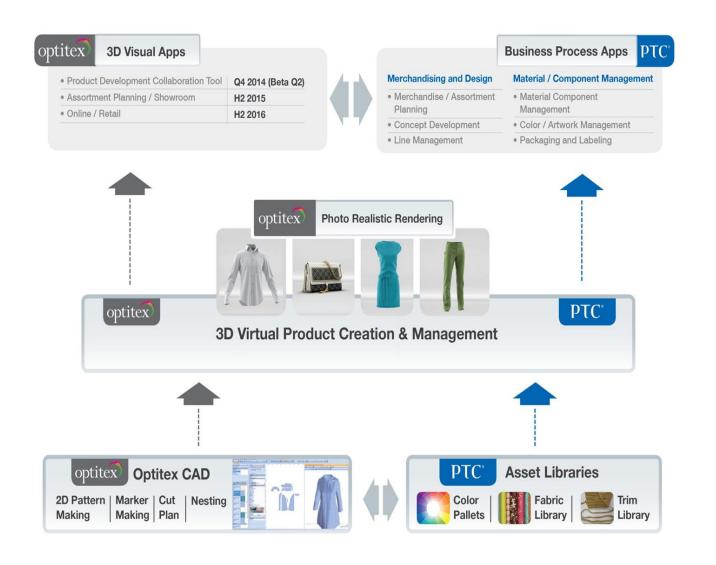


Accelerate



Partner Update

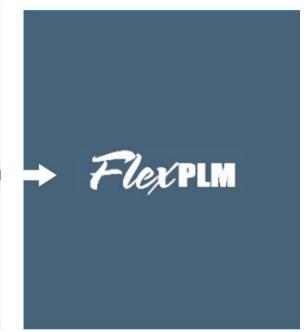






- Plugin76 specializes in plugin and workflow solutions for Fashion, Design and PLM
- "Pimobo" a web-based "inspiration board" tool aggregating data from social streams







- Your feedback is valuable
- Don't miss out on the chance to provide your feedback
- Gain a chance to win an instant prize!
- Complete your session evaluation now

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