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A vision for the future using Product Lifecycle Management (PLM) as a platform for operational excellence and business transformation

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Product Lifecycle Management (PLM) as a Platform for Business Change

Leveraging technology to meet industry challenges



Inspiring tomorrow's professionals



Business-friendly Solutions

1

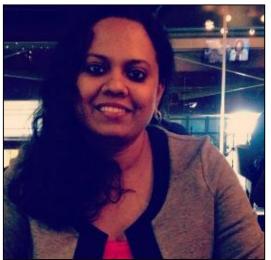
Introductions and Agenda





Jo Conlon FHEA, MCMI, C.Text.ATI

- Textile Technology graduate with 18 years experience in the clothing industry
- Technical and Sourcing Manager
- Joined UoH 2009, Fellow of the Higher Education Academy, a member of the Chartered Management Institute and an Associate of the Textile Industry



Lakshmi Narayanaswamy – Lead Consultant

- An Engineering graduate (Textile technology) with 12 years of Experience. Played various roles in Apparel Industry including sourcing & vendor management
- Key PLM Engagements : George-Asda (U.K), Lacoste(France), LCWaikiki(Turkey)

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PLM at the University of Huddersfield

University of HUDDERSFIELD Inspiring tomorrow's professionals

- Future professionals as change-agents
- A transformational mind-set is required for strategic organizational efforts like PLM that are more complex than just a technology implementation
- People, product and processes





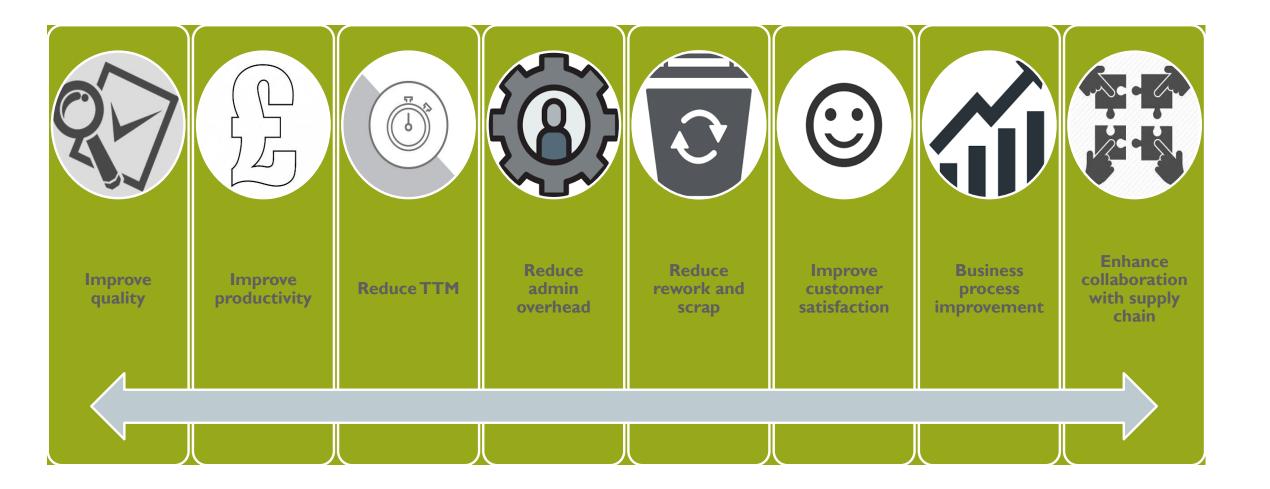




https://www.accenture.com/gb-en/insight-digital-product-lifecycle-management

PLM 1.0 Driving Operational Excellence





PLM 2.0 LANDSCAPE

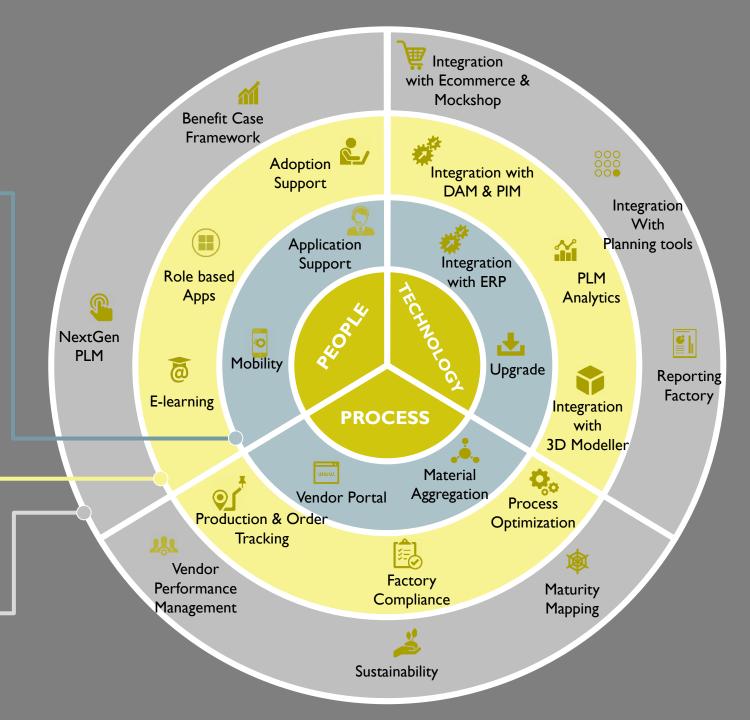
Enablement A strong PLM core is an enabling platform for change

Differentiation

Emerging technologies and Solutions can provide data and improve decision making

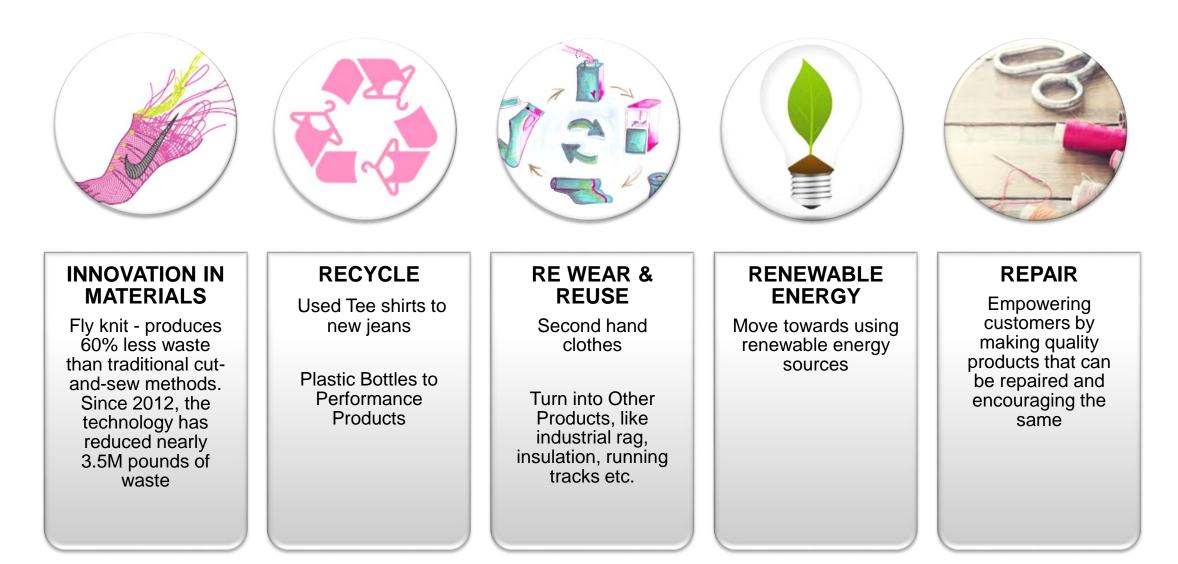
Transformation

PLM operates at cutting edge of information and technology, to transform enterprise's business model



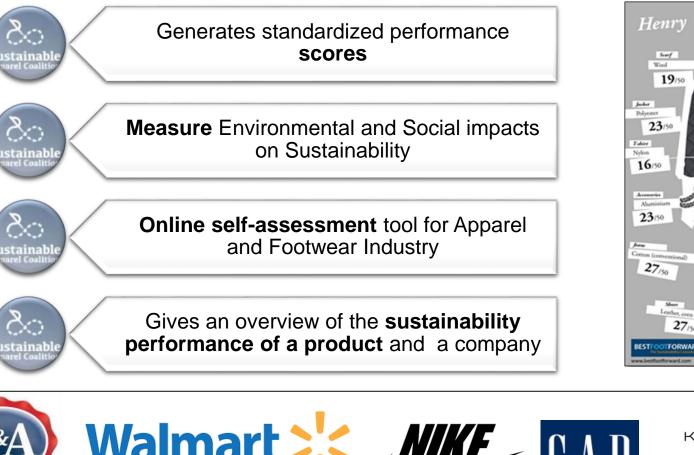
What's being done today?





Sustainable Apparel coalition









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Higg index





- BRAND • Allow Brands to benchmark their performance and discover where they stand compared to other Brands.
- Can share score with other SAC members, which can lead to sharing best practices and new partnerships

 Benchmarking by facility type allows facility managers to compare their performance against their peers.

FACILITY

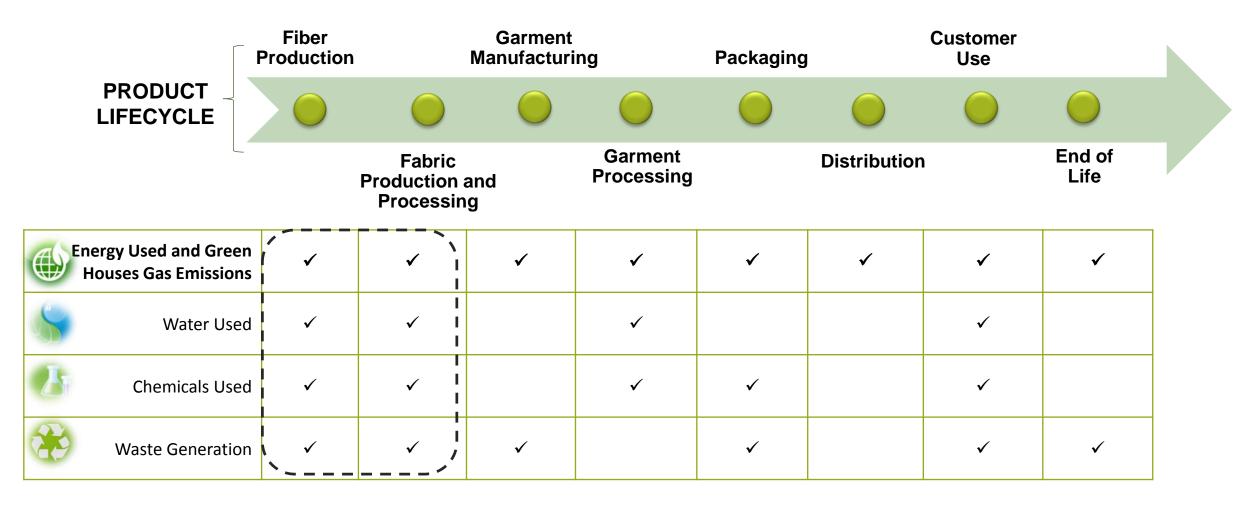
 Can identify areas for improvement and outline the current best practices in the field Helps to measure environmental impact of the product at different stages of Product Life Cycle

PRODUCT

 Engage designers and developers in making sustainable choices at the very earliest stage of prototype design

Environmental Impacts at every stage product lifecycle

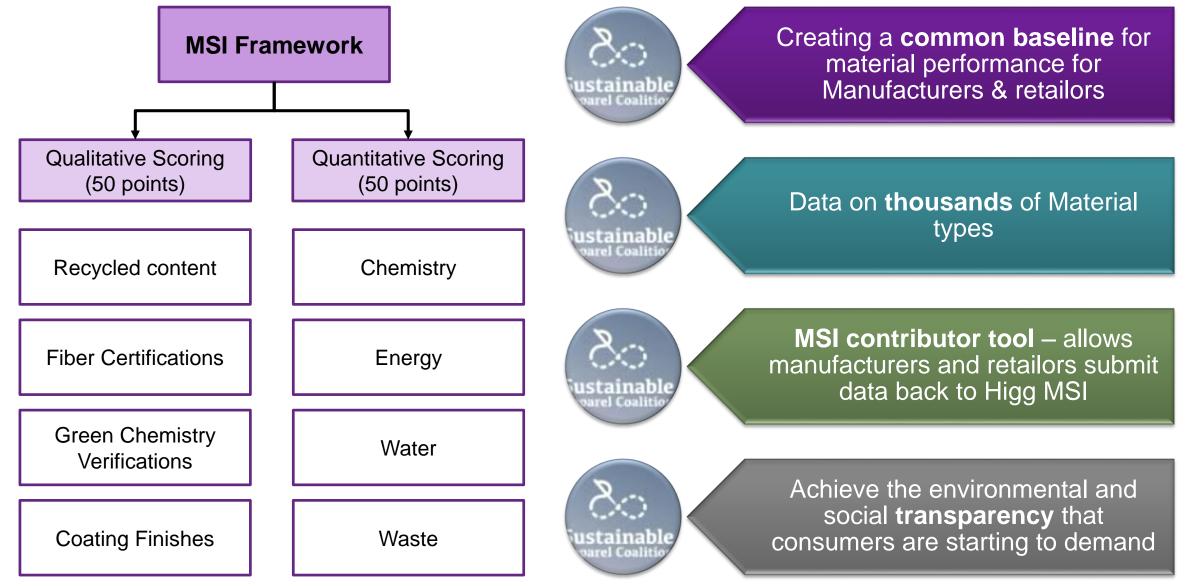




Lets set one common standard which can be used globally

MSI (Material Sustainability Index) Framework





Solution Approach



Product Sustainability														
Define		Create		Pull		Compare		View		Analyze				
Define the Target Sustainability Scores for each category during Planning Stage		Create the Product and enter the details for 'Sustainability Sections ' in the Product		Pull the Fabrics and Trims on Product BOM and get the Material Section Score		Compare the 'Target Vs Actual' Product Sustainability Score		Check Line Sheet to view the 'Product Sustainability Status' in a single view		Review and Analyze the Products				

Section-1 Score	Section-II Score	Section-III Score	Section-IV Score	Section-V Score								
Material Section Score	Manufacturing Section Score	Packaging Section Score	Product Use Section Score	End of Use Section Score								
•			•									
Final Product Score												

Screenshots – Fabrics & Bill of Materials



Material Fabric:																		
Material: Ed																		
Materia Compo		Material Standard Materi Percent Name	al Standard Materi Sco	-	Recycled Recycled Percentage Organic Organic Percentage Other Other Certifications									fications				
Cotton		50 Cotton Fabric, Kr		Material Sustainability Details:														
Linen		50 Linen Fabric		2														
BOM Details Add New BOM BOM Details Add New BOM Sill of Materials: 001 : Wrapper Style Skirt BOM OUpdate Update Header Attributes Of 12/2017 Pricing Date: 06/12/2017 Run Material Material Material Fabric Content Score 41 Coating and Laminate Applied No Dyeing Method No Dyed Dyeing Method Naterial Score 64												ue						
Placement	Mark Up	Material	Supplier	Material Status	Color	Size	Finish	BOM UOM	Price	Price OVR	Loss %	Consumption	Total	Weights %	Material Score			
Fabrics																		
Main Fabric	New	10853 Knit 50% Cotton, 50% Linen	A & E CONNOCK LTD.	In Development	Absinthe Green	26, 28, 30, 32, 34	Enzyme	sqyd	\$1.90	\$0.00	0.00	1.50	\$2.85	80	64			
													\$2.85					
Vaist Band	New	10832 Button Metal 4 hole metal buttor	A & E CONNOCK LTD.	In Development	African Violet	12L	Metal	each	ach \$0.08 \$0.0		0.00	4.00	\$0.32	15	65			
													\$0.32					
Labels																		
Waist	New 10534 Hang Tag UPC Europe Paper BARCODES WEST Acti		Active	Red	1*2	Normal	each	\$0.05	\$0.00	0.00	1.00	\$0.05	1	48				
Packaging													\$0.05					
	New	10836 Boxes Carton	AMERICAN & EFIRD	In Development		60*40	Normal	each	\$0.65	\$0.00	0.00	0.01	\$0.01	2	58			
			BARCODES WEST	In Development		5*8			\$0.04	\$0.00	0.00	1.00	\$0.04					

Screenshots product score



AI	pparel 2017 Holiday Womens > 10341 Printed Blouse > Details																		
Summar	y Details Specifications Sourcing Product Planning Appro	Sustain	ability - Product Use Section:																
= 10	341 Printed Blouse	Product																	
Style ID 10241 Pr Style ID 10241 Pr Season Annual Level of Care Required For the Garment Value 40					Apparel 2017 Holiday Womens > Development > Line Sheet														
Placeholder Placehol						e Sheet Line B	Boards Calen	dar Dashb	oards										
Source Con						Apparel 2017 Holiday Womens : Line Sheet Viewer 🐐 Actions: Views: Sustainability View V 💵 😭													
	Colonway Pringer					Results 1-10 of 10 in 0.047 Seconds Hide Images 🖲 🗋 📾 🏠 📰 🗷 🎟													
	(Change)					Filters Options Run Edit Line Sheet													
□ Sustainability - End Use Section:						Hide/Show columns Sort Options Expand Selected													
	General Attributes:	Product	Product																
= :	Sustainability - Material Section:		Can the individual material types be accurately identified by end of use facilities or processe		= 🗆 All	-	-		Style ID	 Style Category 	Material Section Score	Manufacturing Score	Packaging Score	Product Use Score	End Use Score	Actual Sustainability Score	Target Sustainability Score	Product Sustainability Status	
Produ BON BON BON		Material type be identified by end use process value																	
		1.00	this product made of a single material type or can it be easily separated into individual ma			YIY													
	Garment Finishing Best in Class Garment Finish		de of single material type or easily separa				Actions 🔻	. i	10341 Printed Blouse	Tops	18	18	10	20	15	81	85		
	Garment Finishing List High Efficiency Dye Treatment Garment Finishing Value 30		ndividual material types be recycled via ex ndividual material types via existing proce	1.000			fielding -												
	Marker Efficiency 90	Can the materials be used in closed-loop recycling processes? Closed loop material recycling value				6												_	
	Marker Efficiency Value 40					ATT -	Actions 🔻	± (1)	10342 Polo T-Shirt	Tops	16	15	9	14	15	69	50		
	Sustainability - Packaging Section:		Sustainability Group:			" HILL	Actions 🔻	± (i)	10343 Flower Print T Shir	irt Tops	0	18	10	10	15	53	80		
						DALLA													
	Product Does the Product Use Packaging?		Product	2		TITT	Actions 🔻	± (i)	10344 Crew Neck Top	Tops	0	18	5	20	15	58	65		
	Product Packaging Used Value		Material Score	2		MM													
	If the product uses packaging, is your organization pursuing of If Yes, Please Specify:	efforts and stra	-	18		萬萬												_	
	Sustainable Packaging Value		Packaging Score	U			Actions -	• •	10345 V Neck knitted top	Tops	0	19	10	20	15	64	90		
	L		Product Use Score	ŏ															
			End Use Score	Э ЭГ			Actions 🔻		10346 Animal Print T Shirt		0	19	9	18	15	61	80		
			Actual Sustainability Score	35				F	roduct Sustainability S	otatus									
			Target Sustainability Score	50															

Impact / Benefits





Thank you

Connect with us to understand how ITC Infotech can help your business.

Email: contact.us@itcinfotech.com Web: www.itcinfotech.com

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