

Smart and Green PLM

The Strategic Value of PLM

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Kalypso

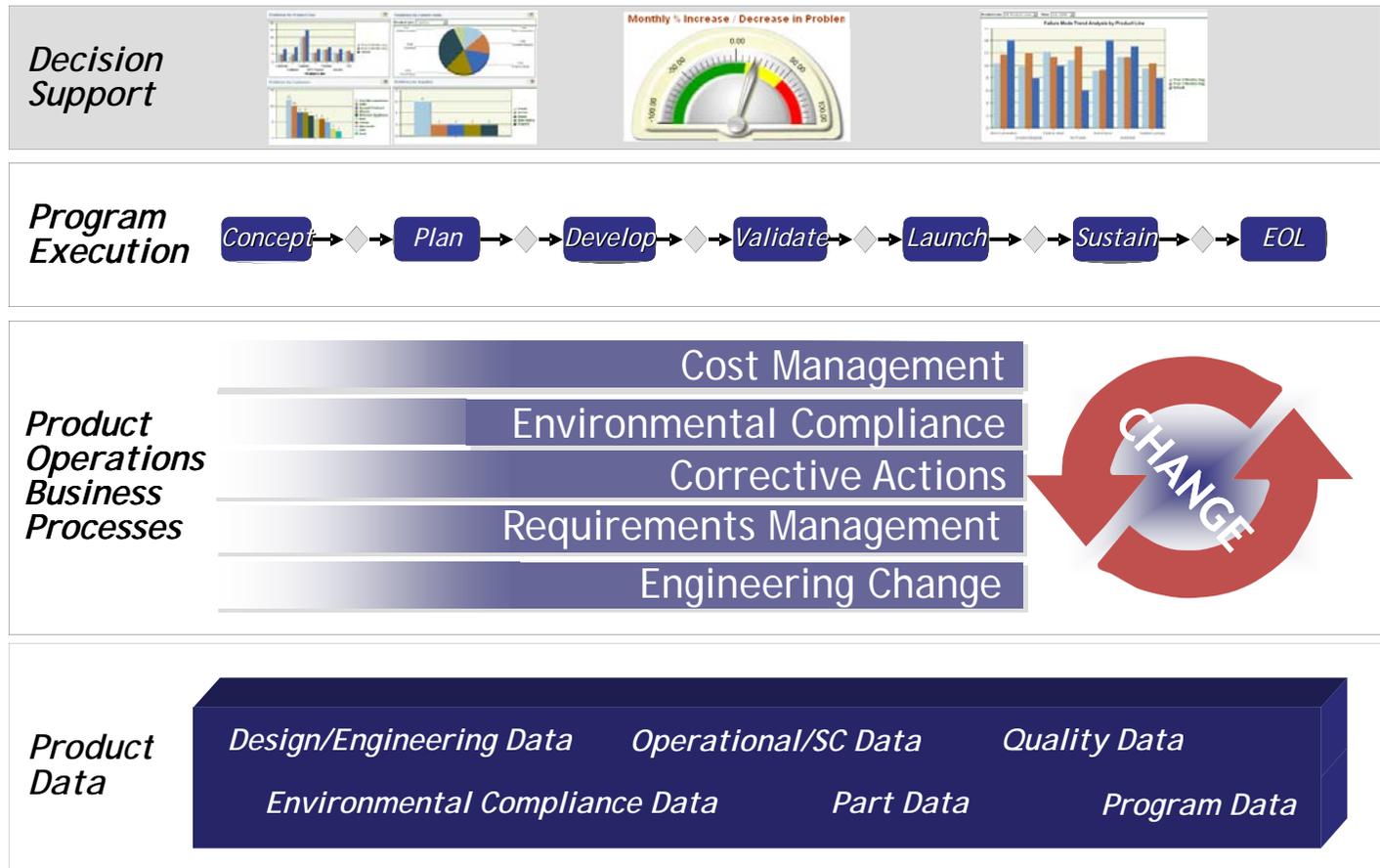
The Partnership

Samsung SDS has partnered with Kalypso to provide comprehensive set of Product Lifecycle Management (PLM) consulting services to the market.



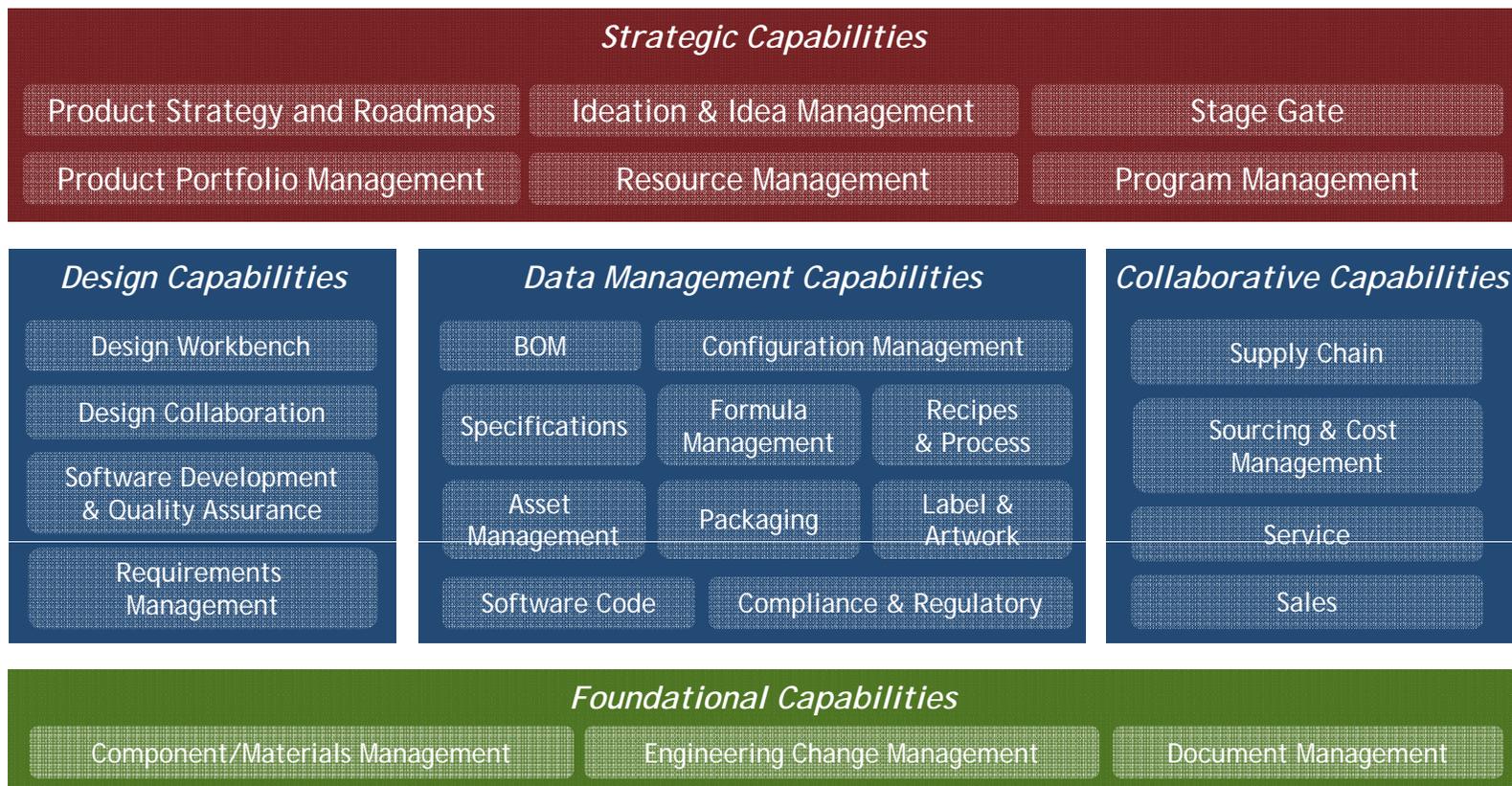
PLM Evolution

From its roots in the management of basic product engineering data, PLM has evolved into a strategic set of collaborative & analytical applications.



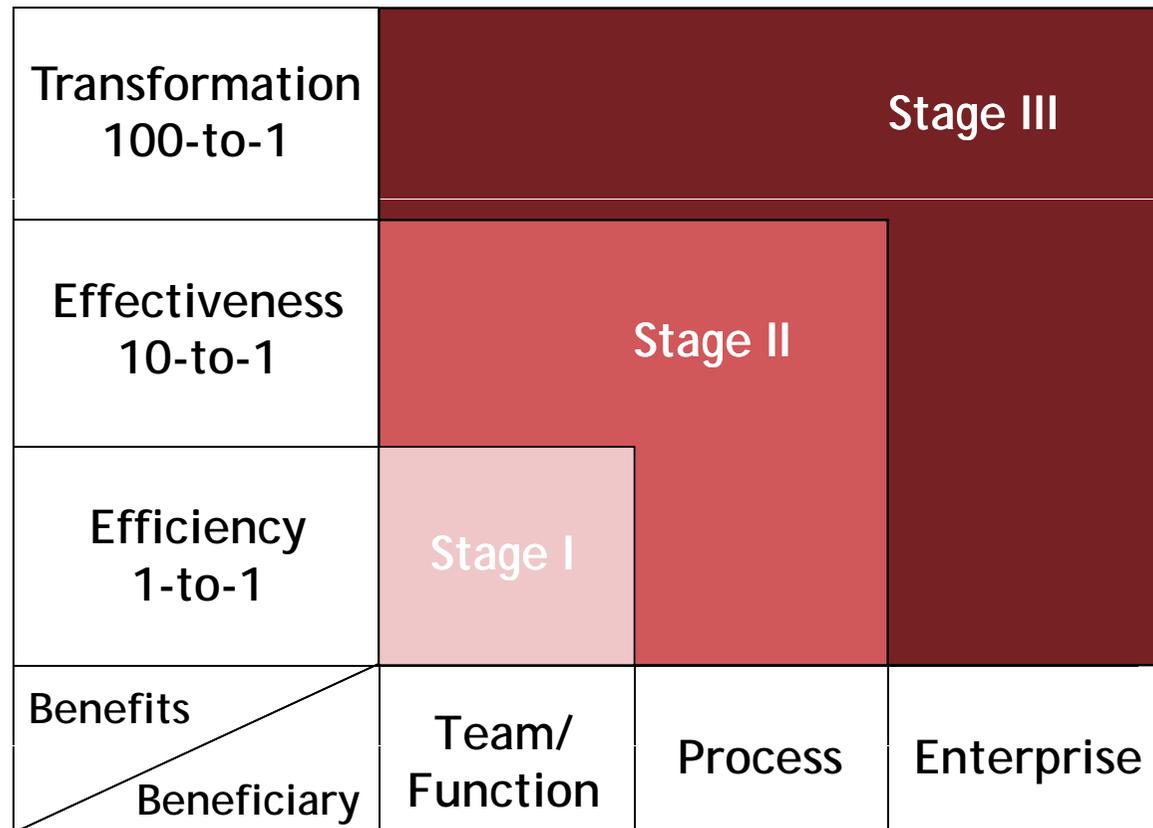
PLM Capabilities

Today PLM has capabilities that support a comprehensive definition of the product and the key decisions around across the entire product lifecycle.



Smart PLM Benefits

Our research into the evolution of successful PLM implementations points to potential strategic impacts and a return on investment.



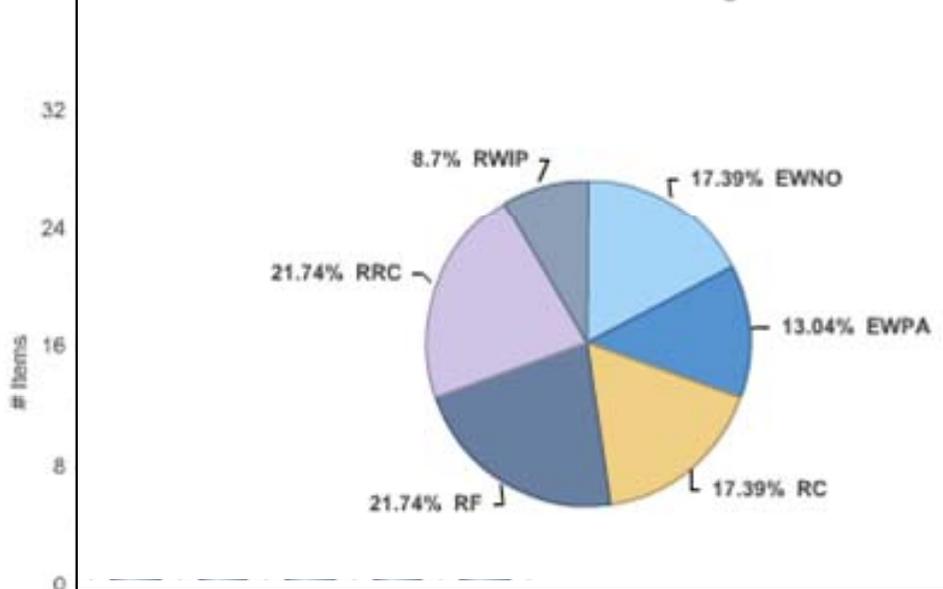
Process Performance Analysis

Analyzing the volume and impact of engineering change provides insight into the performance of new product introduction and launch processes.

Impact Top 10 Reasons for New Change Orders

(Drill on Chart for details)

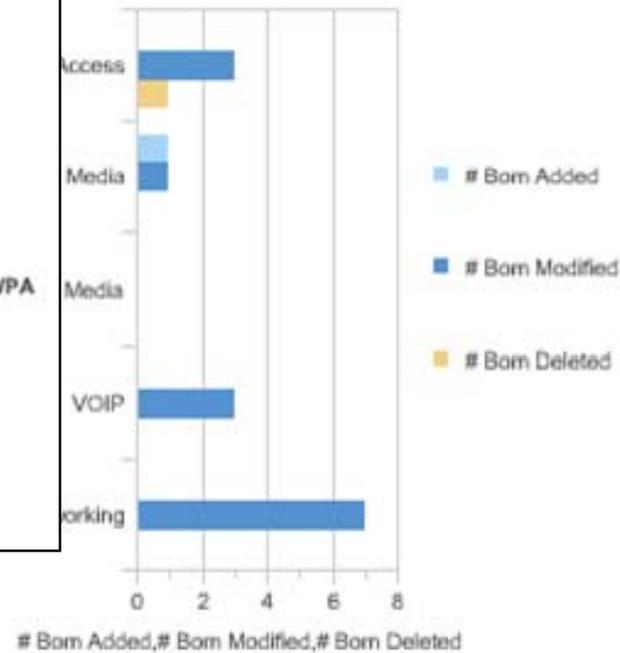
New Change Orders



Broadband Access
Broadband Media
Imaging & PC Media
VOIP
Wireless Networking

Activity on Pending Changes

Chart ▾

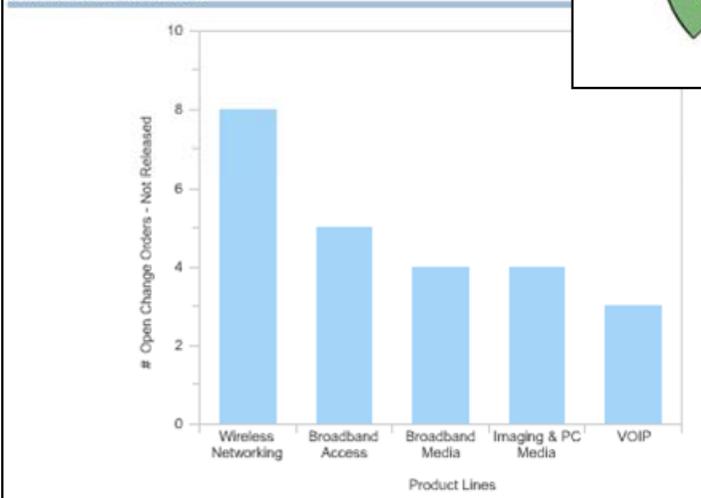


Product Performance Analysis

Advanced analytics gives you the ability to gauge the health of your product lines by monitoring age, revisions, changes, and turnover.



Top 10 Product Lines based on Open Change orders
(Drill on Chart for details)



Which products have the most volatile designs?

People Performance Analysis

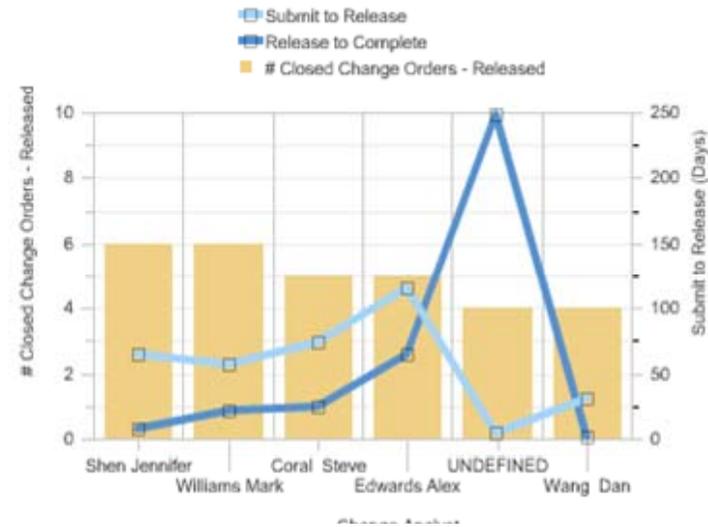
Analysis of the performance of people in the engineering change and NPI process can help identify targeted training needs for certain individuals.

Change Orders Aging by Change Analyst

People Change Analyst	# Open							
	<5 Days	5-10 Days	11-20 Days	21-30 Days	31-40 Days	41-50 Days	51-60 Days	61-90 Days
Coral Steve	0	1	0	0	1	1	1	0
Edwards Alex	0	0	1	0	1	0	0	0
Shen Jennifer	1	0	1	1	0	0	1	0
Wang Dan	0	1	0	0	0	0	0	1
Williams Mark	1	0	0	1	0	1	0	1



Closed Change Orders Volume & Duration days by Change Analyst



Change Orders Analyst Performance

(Click on column header to sort, Click on Change Analyst for details)

Change Analyst	# Open	Open Cycle Time (Days)	# Closed	Closed Cycle Time (Days)	Implement Cycle Time (Days)
Coral Steve	4	13.12	9	74.63	25.09
Edwards Alex	4	1.86	9	116.01	65.49
Shen Jennifer	7	12.36	13	65.12	7.60
Wang Dan	4	114.84	8	31.02	2.13
Williams Mark	5	78.19	11	56.38	22.08

[Modify](#) - [Refresh](#)

Change Request Analyst Performance

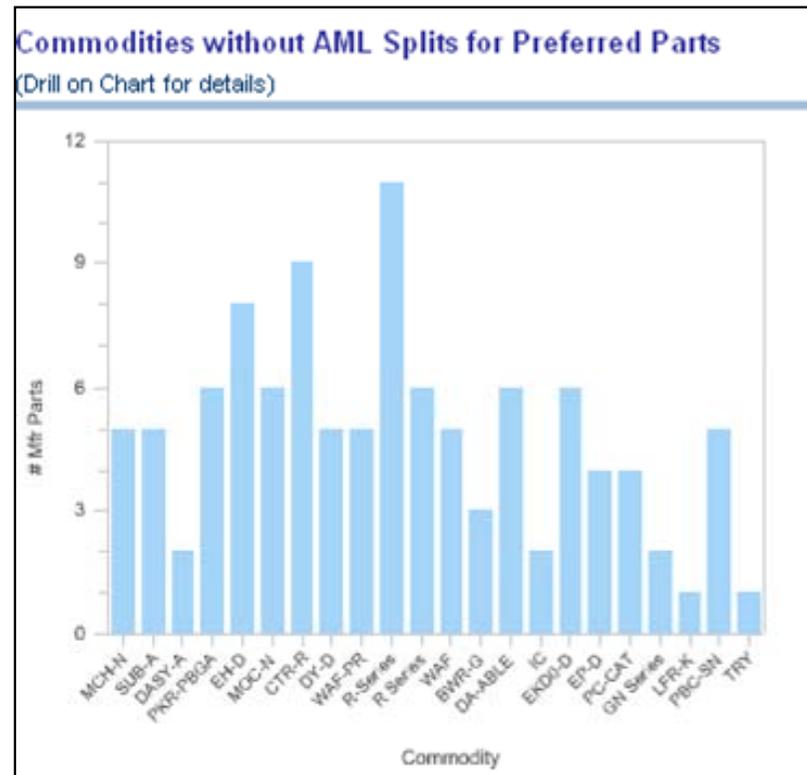
(Click on column header to sort, Click on Change Analyst for details)

Change Analyst	# Open	Open Cycle Time (Days)	# Closed	Closed Cycle Time (Days)
Coral Steve	4	12.15	9	2.76
Edwards Alex	6	29.89	9	18.00
Shen Jennifer	7	114.64	13	81.14
Wang Dan	5	107.64	8	19.00
Williams Mark	6	20.15	11	50.14

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Supplier Performance Analysis

Detailed assessments of supplier performance allow you to proactively manage supply risk and comprehensively address quality issues.



Quality Management Monitoring

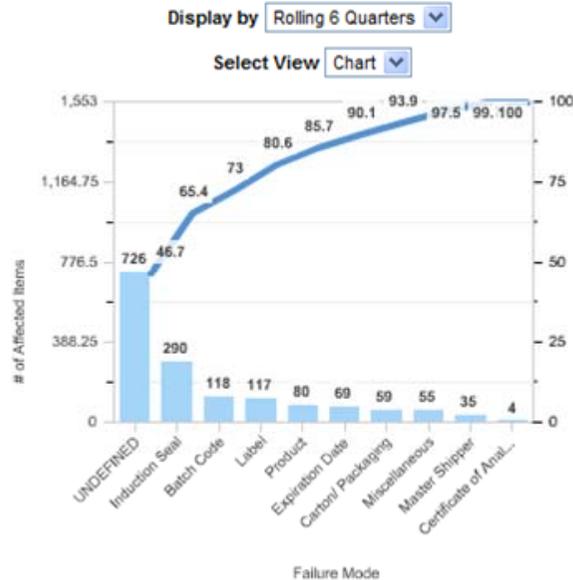
Product quality is monitored identifying problem products, failure modes, and the sources of nonconformance to initiate rapid corrective actions.

Product Grading by Lifecycle

Latest Released Revision Only? YES

Product Line	Total Items	# Items with NCR	# Items with PE Problem Ratio
Kosher Items	3	1	2 100.0%
Children's Items	17	6	6 70.0%
High Protein Low Carb	30	11	5 53.0%
Shapeworks	279	43	59 36.0%
Herbal Aloe	108	16	11 25.0%
Default	842	98	110 24.0%
Thermojetics	379	40	45 22.0%
Nourifusion Line	273	33	27 21.0%
Man and Woman	10	1	1 20.0%
Body Buffing and Contouring	16	1	2 18.0%
Skin Activator Creme	204	14	19 16.0%
Radiant C	66	6	4 15.0%
Heart and Soul	5	0	0 0.0%
Vitessence	1	0	0 0.0%

Failure Mode Pareto Analysis



Shrink the cycle of notification to fix

Product Configuration

New capabilities link engineering configurations with sales and pricing configurations to eliminate the need to manage millions of permutations.

Validate Configuration

Hardware Product: French Door

A state of the art home appliance created to make your life easier and more convenient.

Option Conflict
Your last option selection has affected other option selections. Please review the affected options below:

Freezer Unit was selected and it requires **Front Panel: Ice Maker**.

You can:

- Keep this selection
- Revert to the previous selection/Undo selection
- Make the required selection:
 - Front Panel: Ice Maker

Qty.	Ea. Price	Ext. Price
1.0	0.00	
1.0	125.00	125.00
1.0	-25.00	
1.0	200.00	200.00
1.0	350.00	
1.0	25.00	25.00
1.0	55.00	

Ice Mak
Black
Silver

Net Weigh
25 grams

Ship Date
(mm/dd/yyyy)

Total Price \$1,400.00

Eliminate complexity in the management of multiple configuration systems

Portfolio Management

Many PLM software providers have added integrated portfolio management and idea to launch process automation capabilities into their platforms.



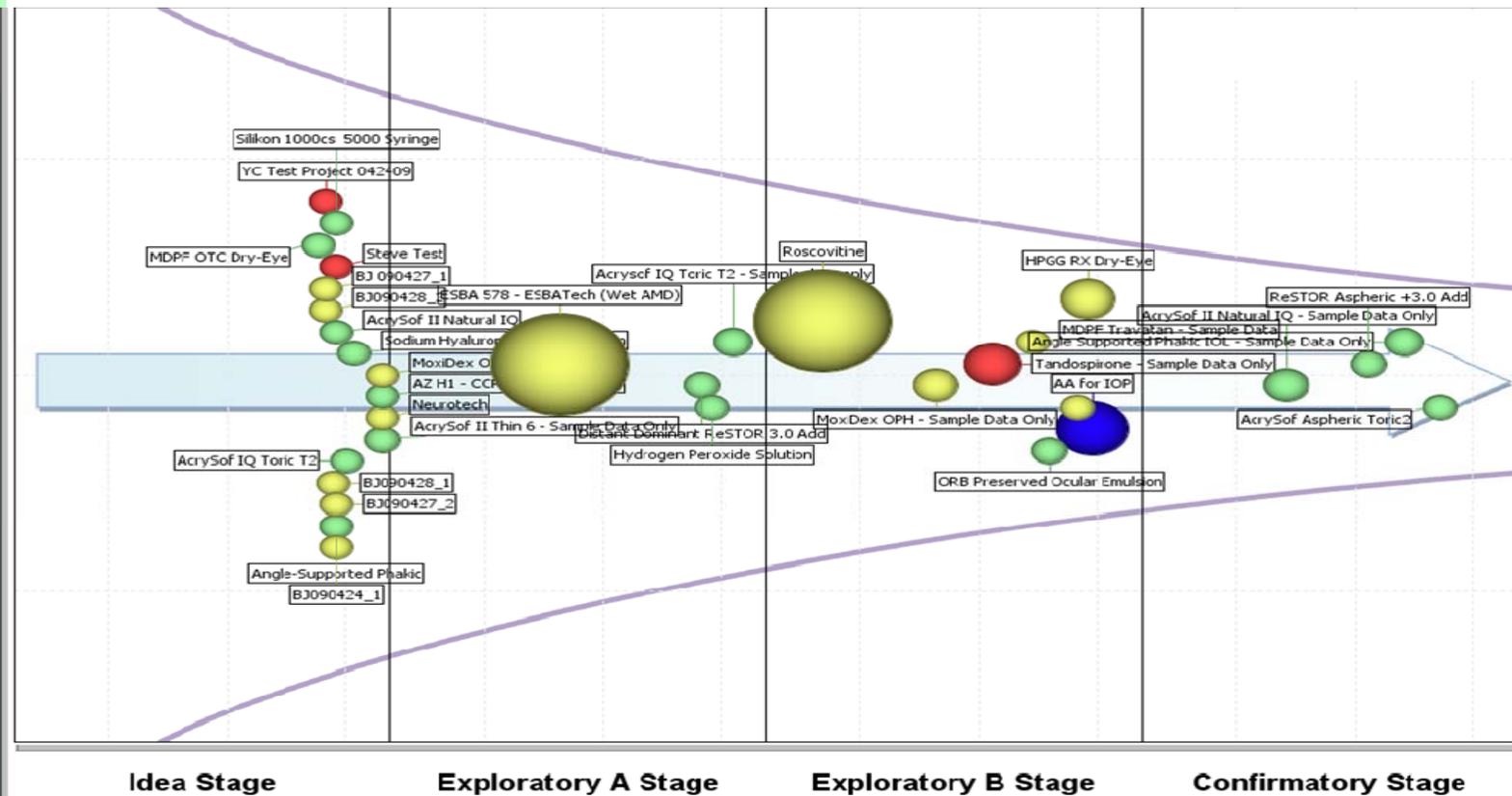
Portfolio Management

These tools enable the continuous analysis and monitoring of the entire product development investment portfolio to ensure mix and balance.



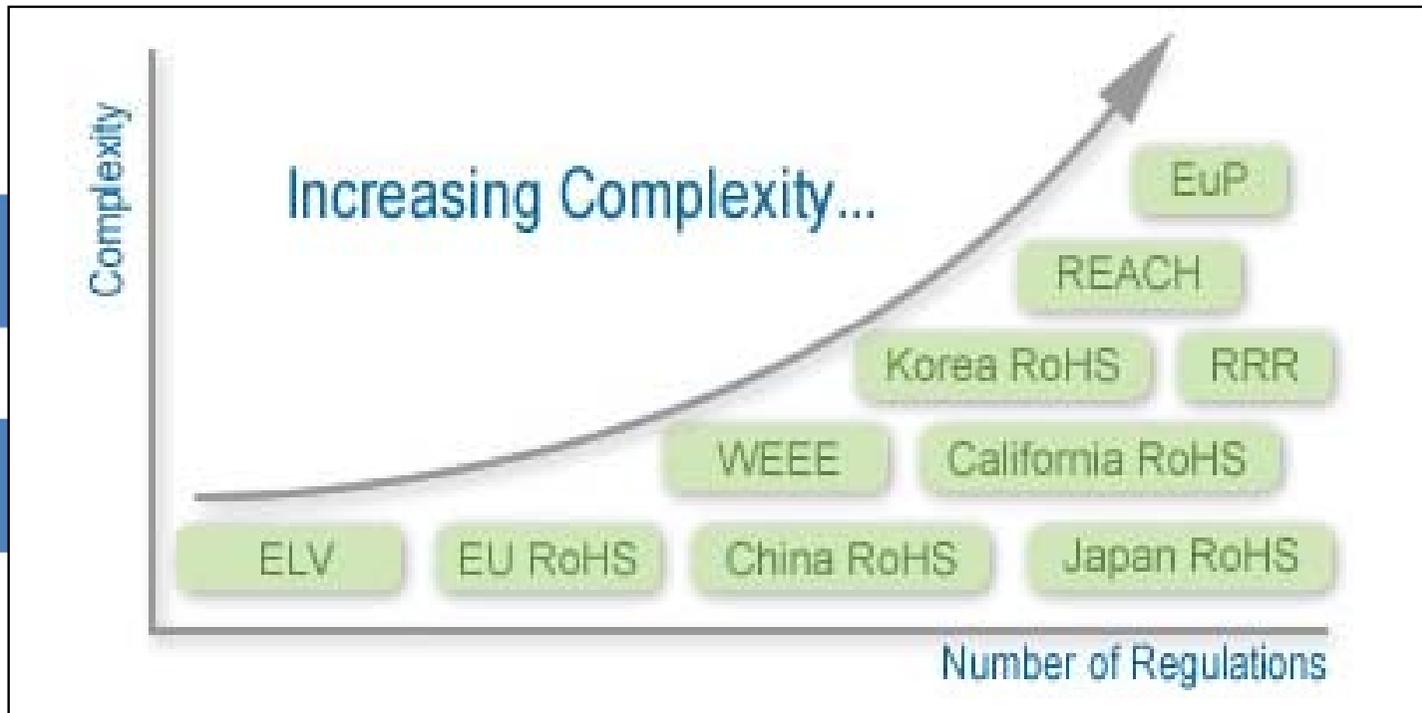
Portfolio Management

Pipeline views with new product development projects by phase gives a view of the types and sizes of initiatives at each stage of development.



Environmental Compliance

The rapid increase and diversity of global environmental regulations mean that companies must know the elemental composition of their products.



Environmental Compliance

As the single source of product data, PLM is the logical place to ensure compliance with the myriad environmental regulations around the world.

Supplier Part Information [Back to Search Results](#)

Supplier Part Number - 78-5656-01

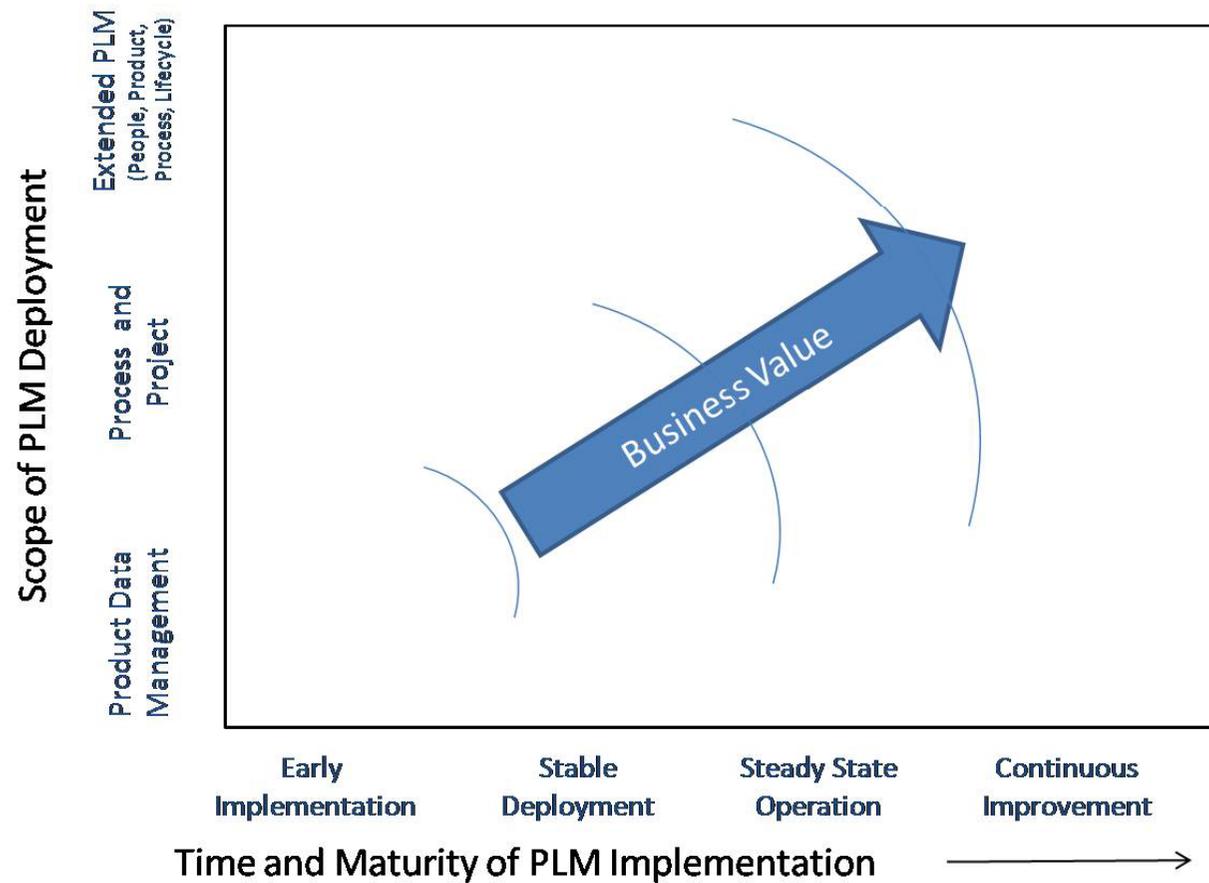
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 Description: ASY ELMECH MAG
 Supplier: SUPA
 Version: 1
 Official: true
 Reported: 04/03/2008 14:45:26

Compliance Status - OFFICIAL

Compliance Status: View Details					
Specification:	ROHS (CONSUMER)	ROHS (INFRASTRUCTURE)	ROHS (SERVER)	JIG (A)	REACH (SVHC)
Revision:	C	C	C	101	A
Disclosure Level:					
Exemption Earliest Expiry Date:					
Qualification Owner:	bgreen	bgreen	bgreen	bgreen	bgreen

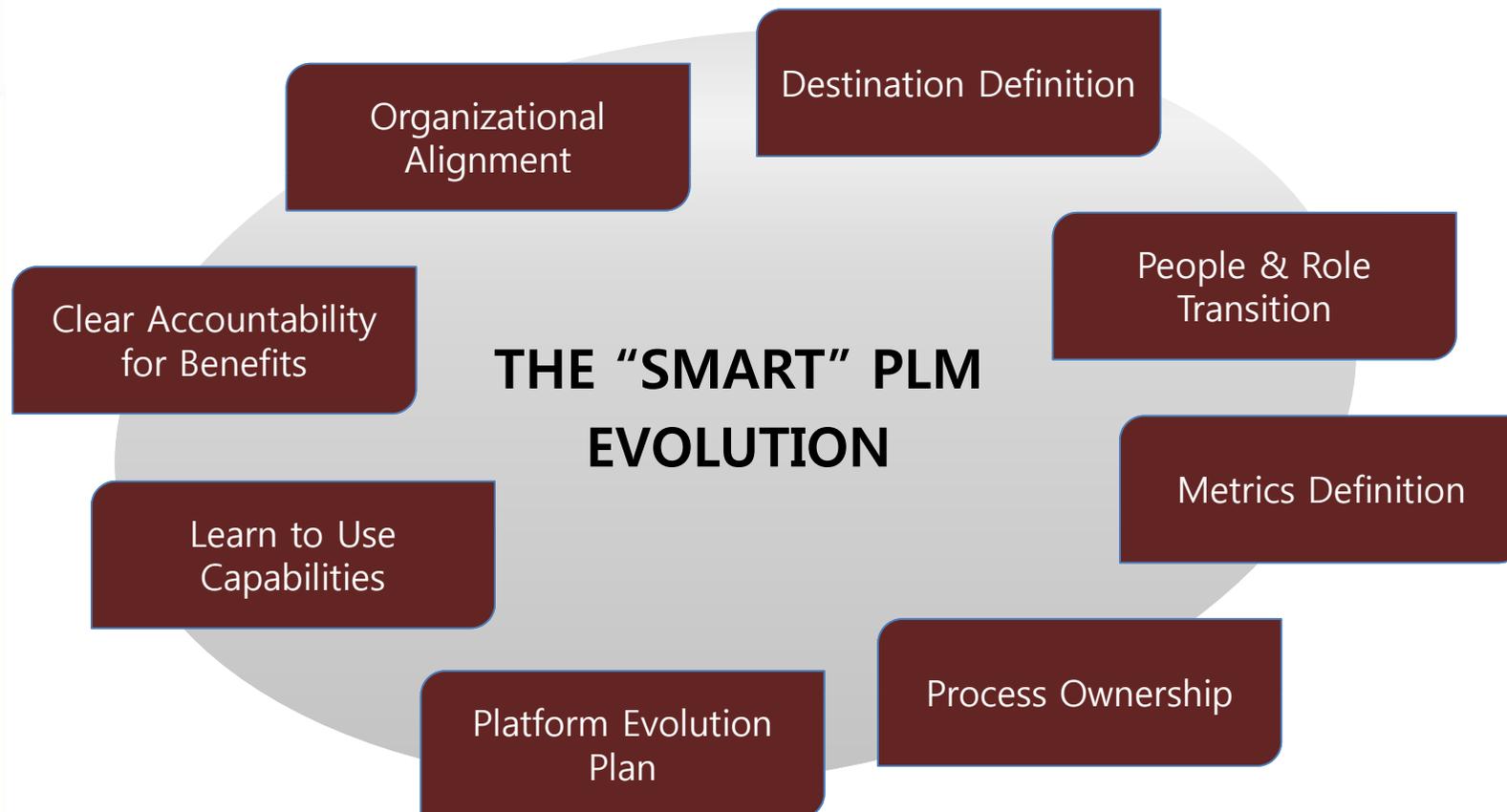
Smart PLM Drives Value

As the scope and maturity of an implementation grow there is potential for driving even greater ROI from utilizing “smart” PLM functionality.



Smart PLM Best Practices

There are eight best practices for accelerating, maximizing, and sustaining the benefits of the Smart PLM journey.



PLM's Future - Social Product Innovation

The collaborative potential of social networking is impacting PLM as software providers begin to imbed these capabilities into their platforms.

"Very often we need instantaneous feedback. You can see who is online immediately and get the information that you need right then. You don't have to think about it, it's just a natural part of the product development process."

Ryan Murphy

Principal Program Manager for PLM

Microsoft Entertainment and Devices

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