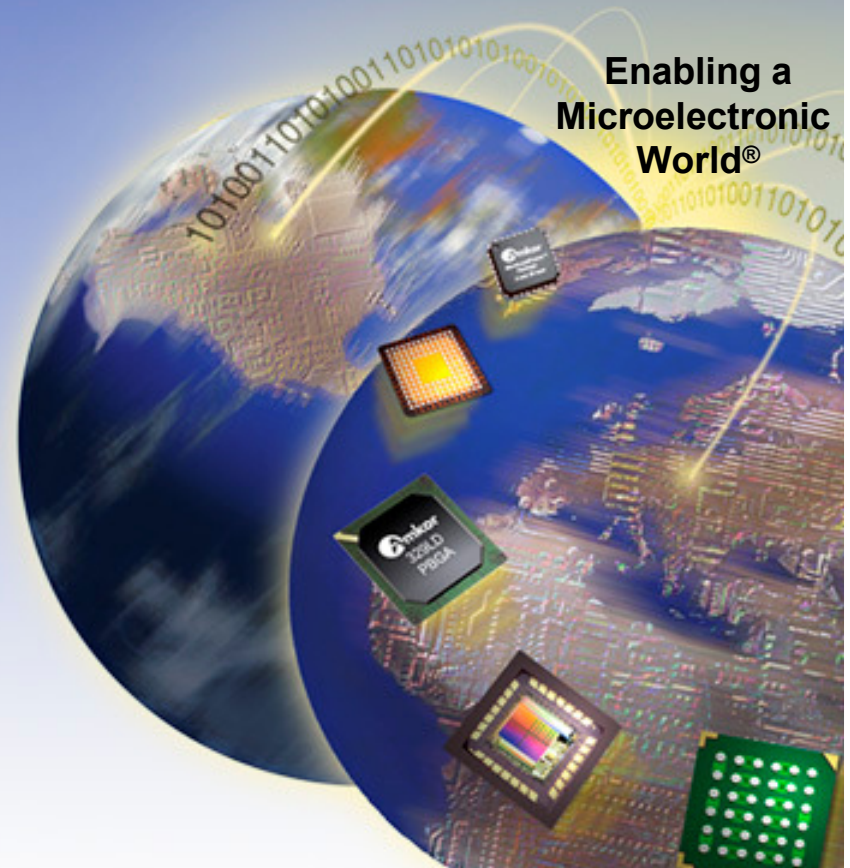


PLM Best Practice Conference

20th. May '09, DPARK,
Director, Corporate R&D,
Amkor Technology Korea

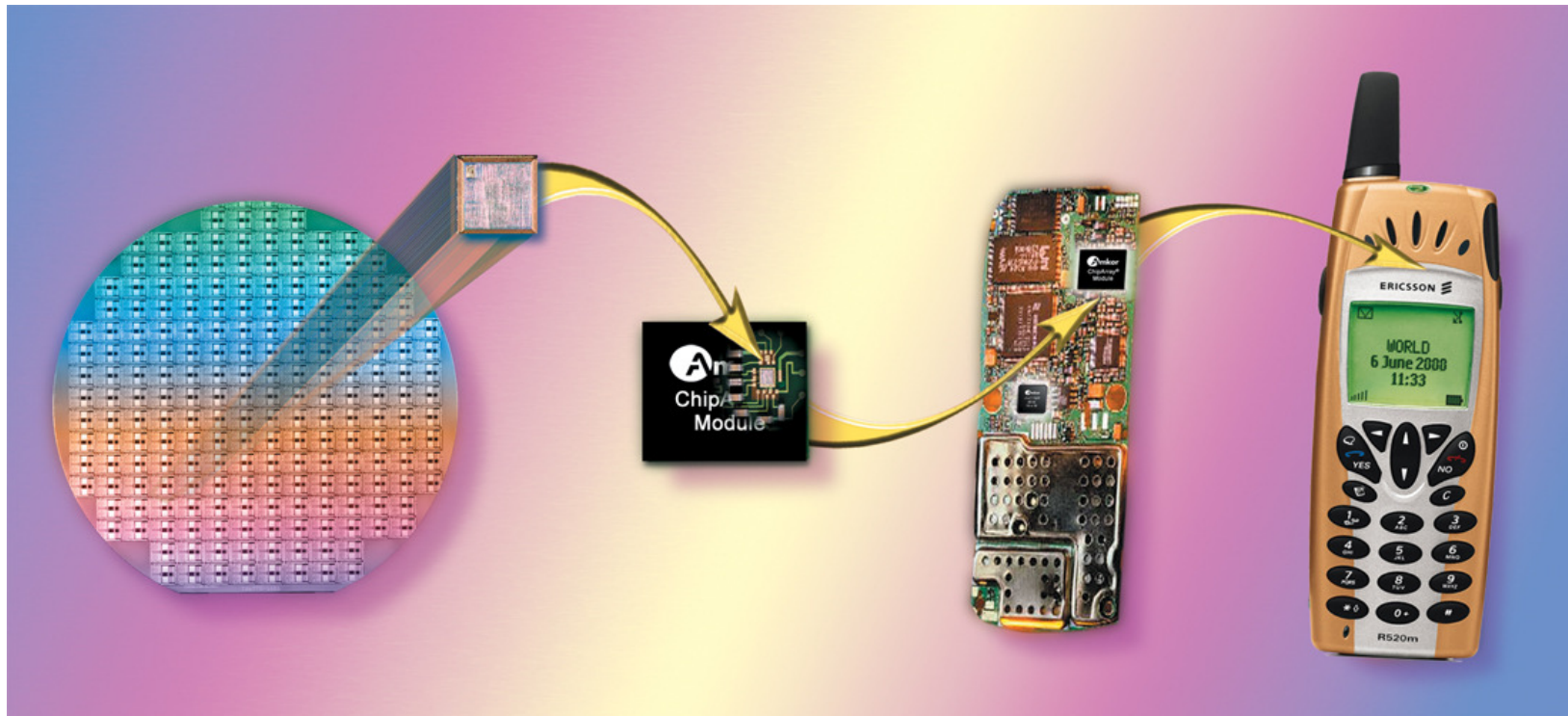
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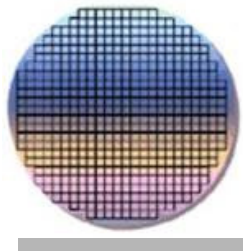
What is Package?



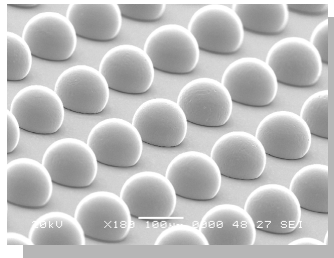
- **Connecting Silicon to Real World**



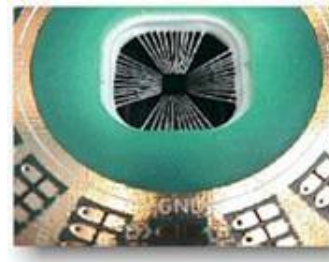
Package Assembly & Test Process flow



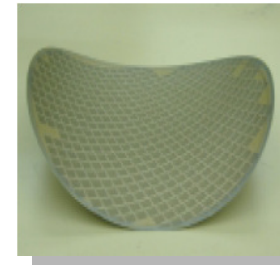
0. Wafer Fab



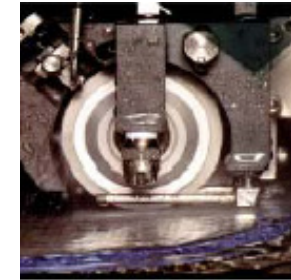
1. Solder Bumping



2. Wafer Test

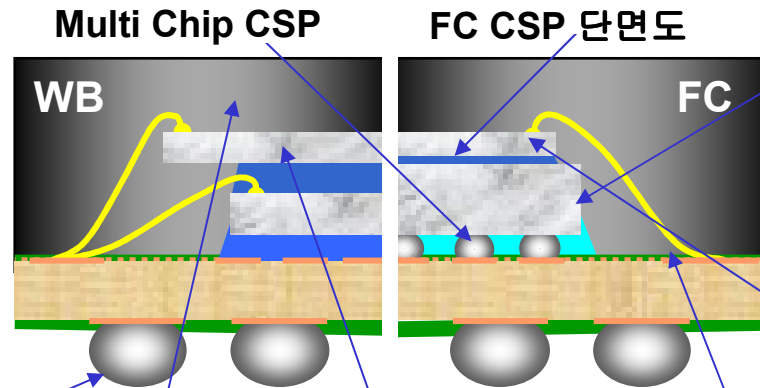


3. Wafer Thinning

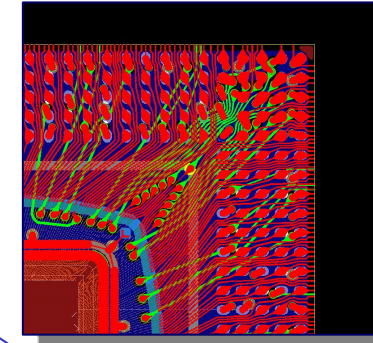


4. Sawing

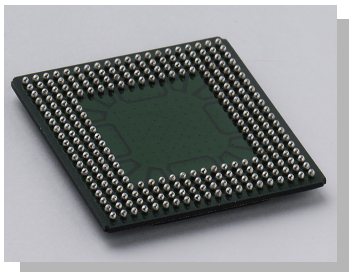
10. Final Test



0. Package Design



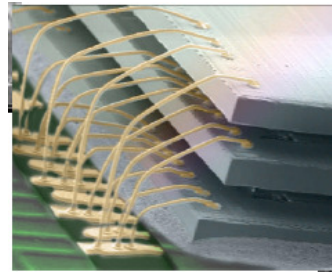
9. Solder Ball Attach



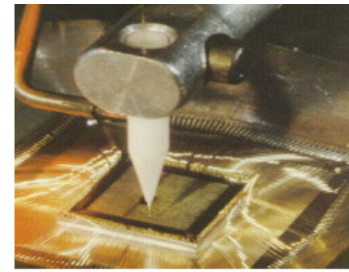
8. Molding



7. Die Stacking



6. Wire Bonding

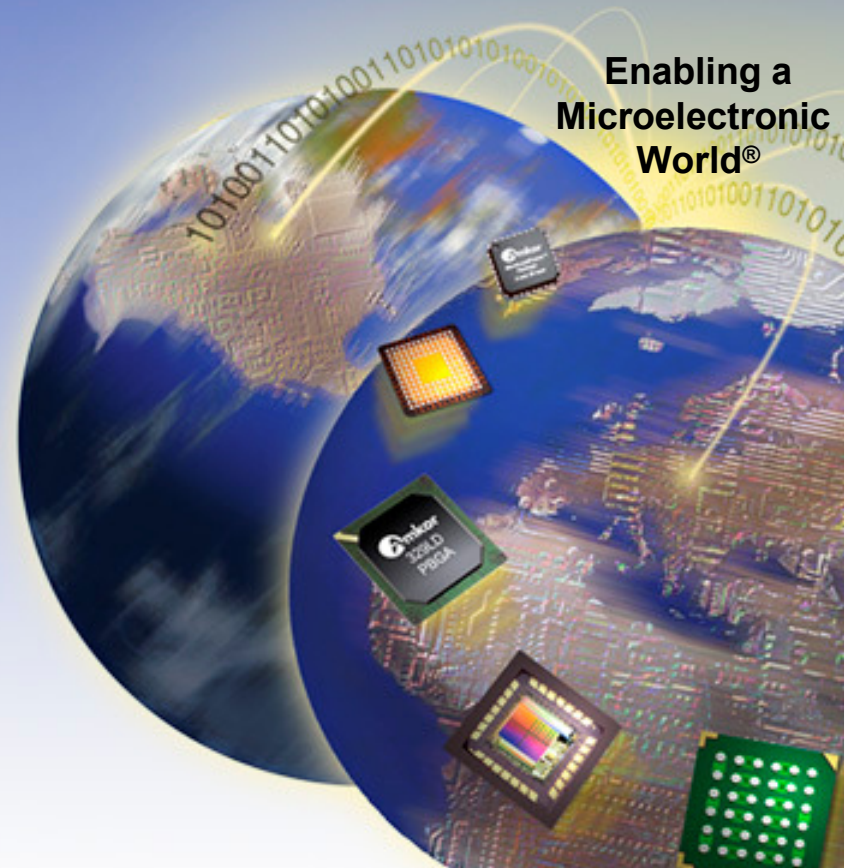


5. Die Attach



System for Amkor's Operation Structure

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Business Organization and Location



- Major Sales Office and Manufacturing Sites

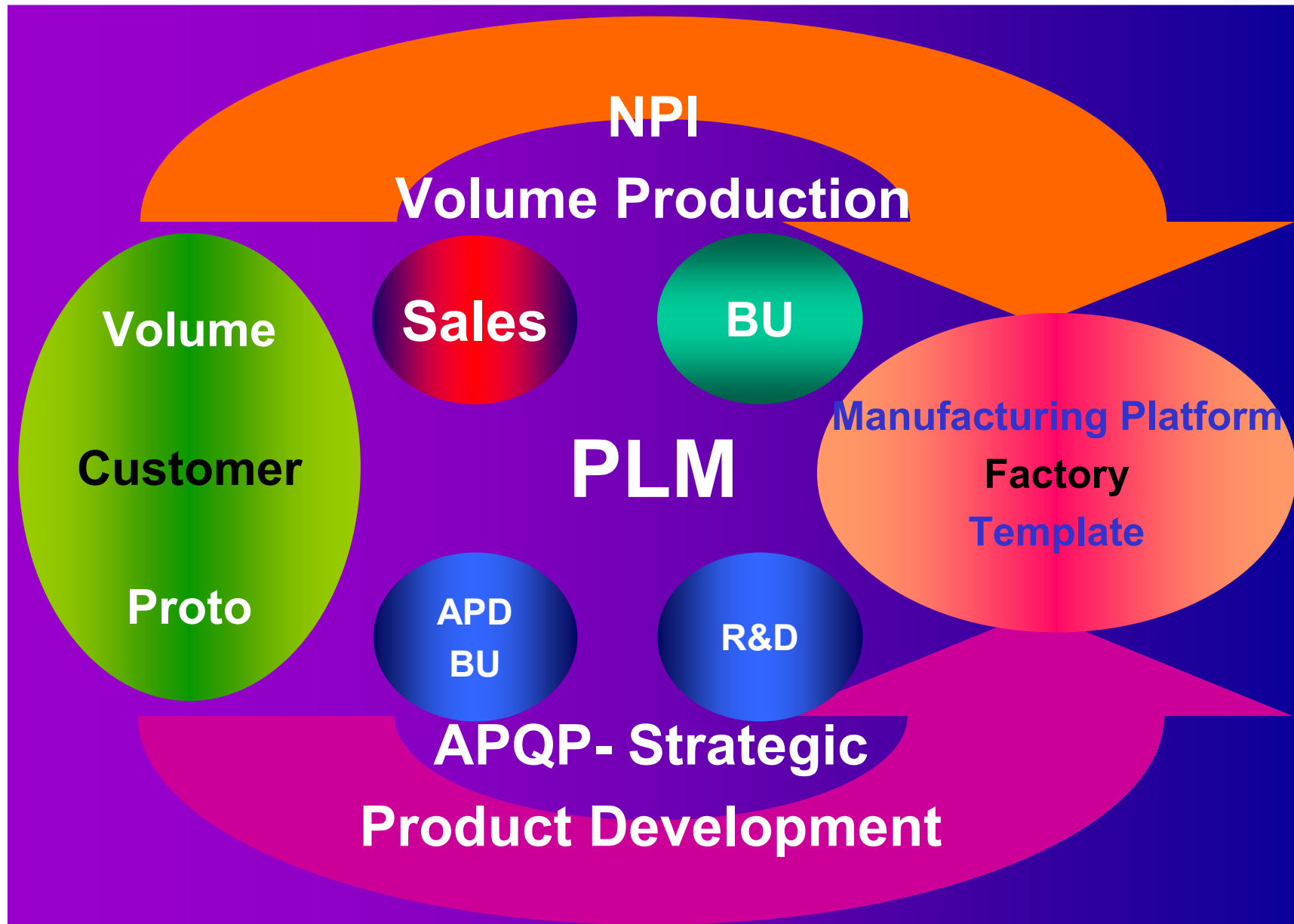


- Customer
- Head Quarter
- Sales/ Marketing

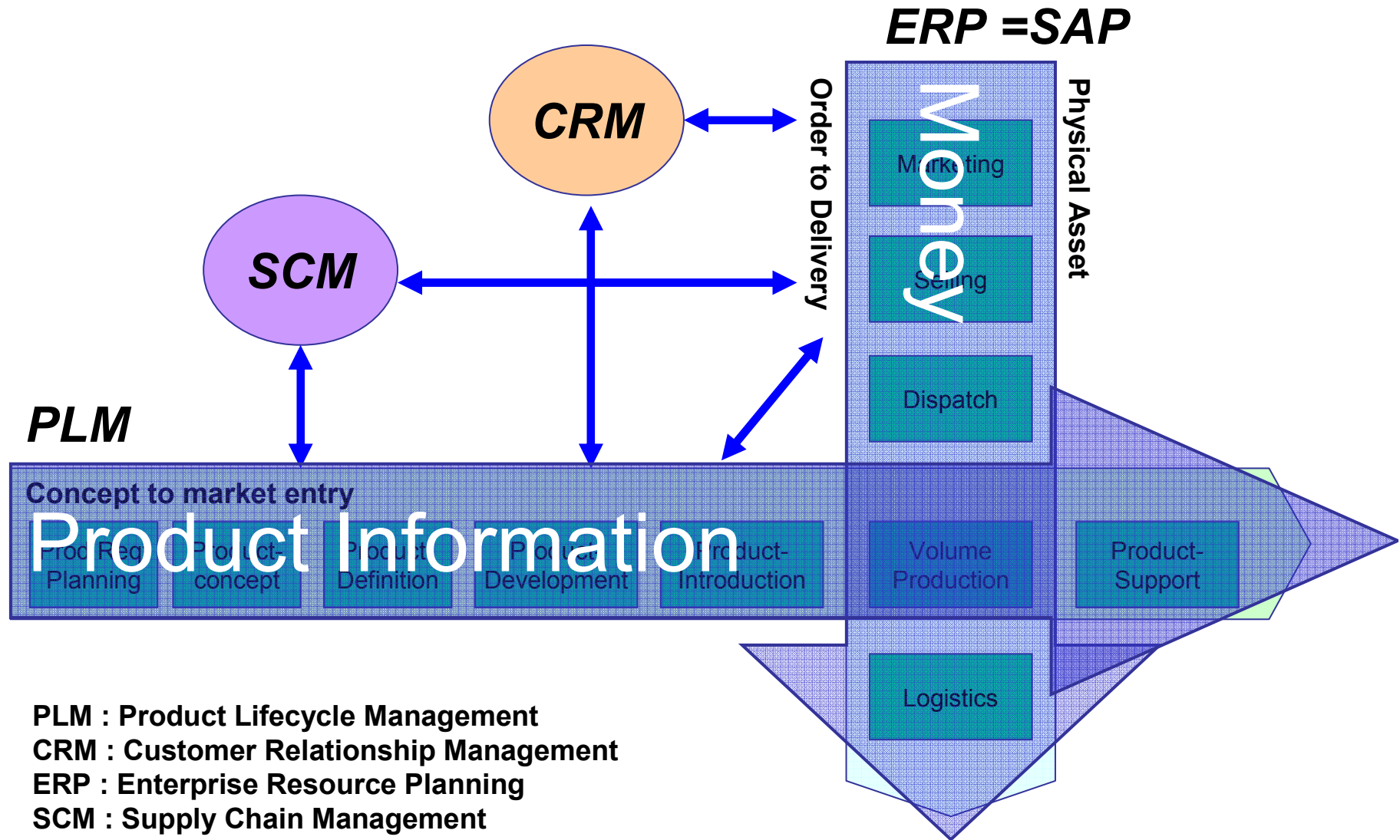
- Customer
- Sales

- Customer
- Sales
- R&D
- Factory
- Supplier

Simplified Amkor Biz Flow ...



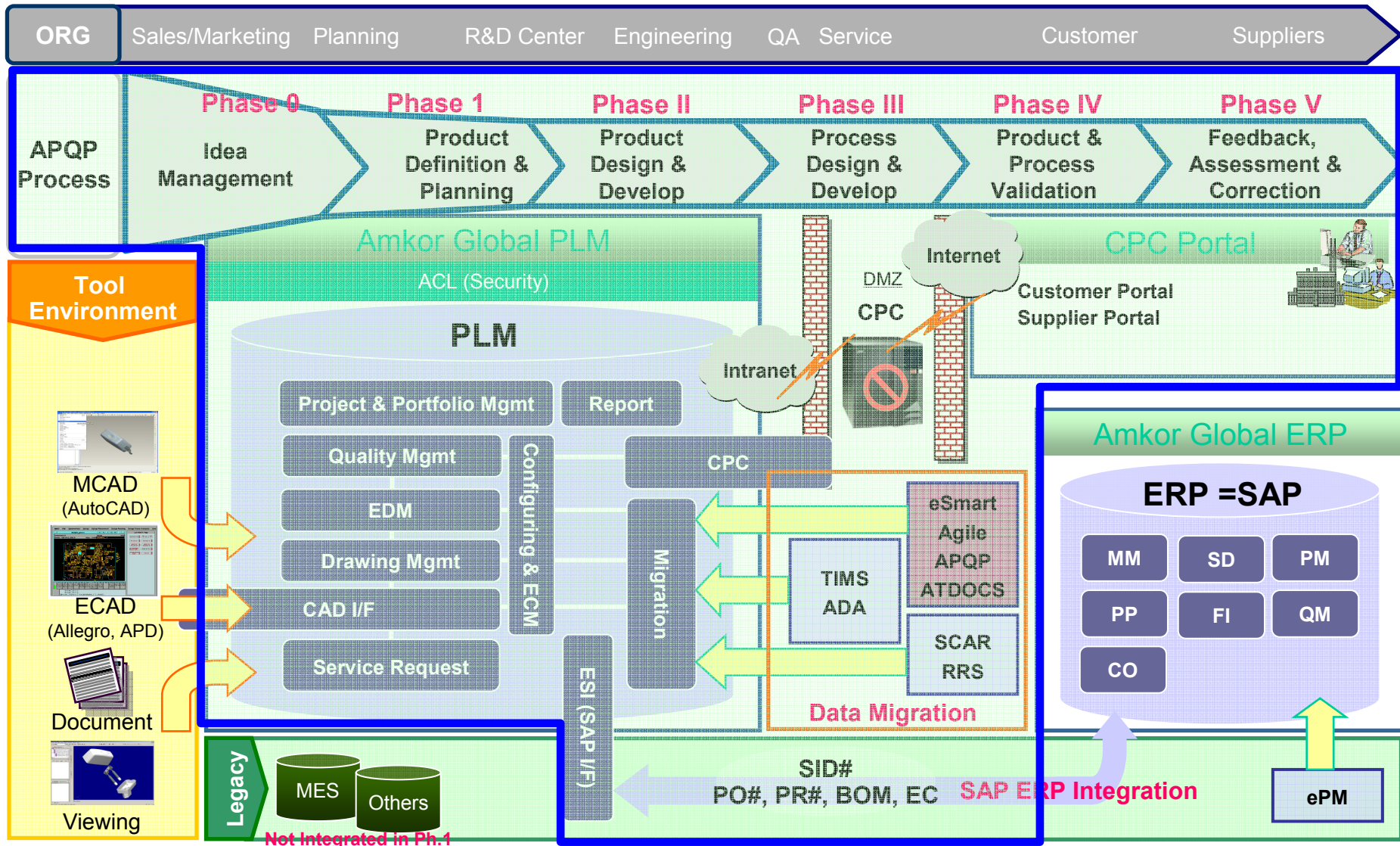
What is PLM (Product Lifecycle Management)?



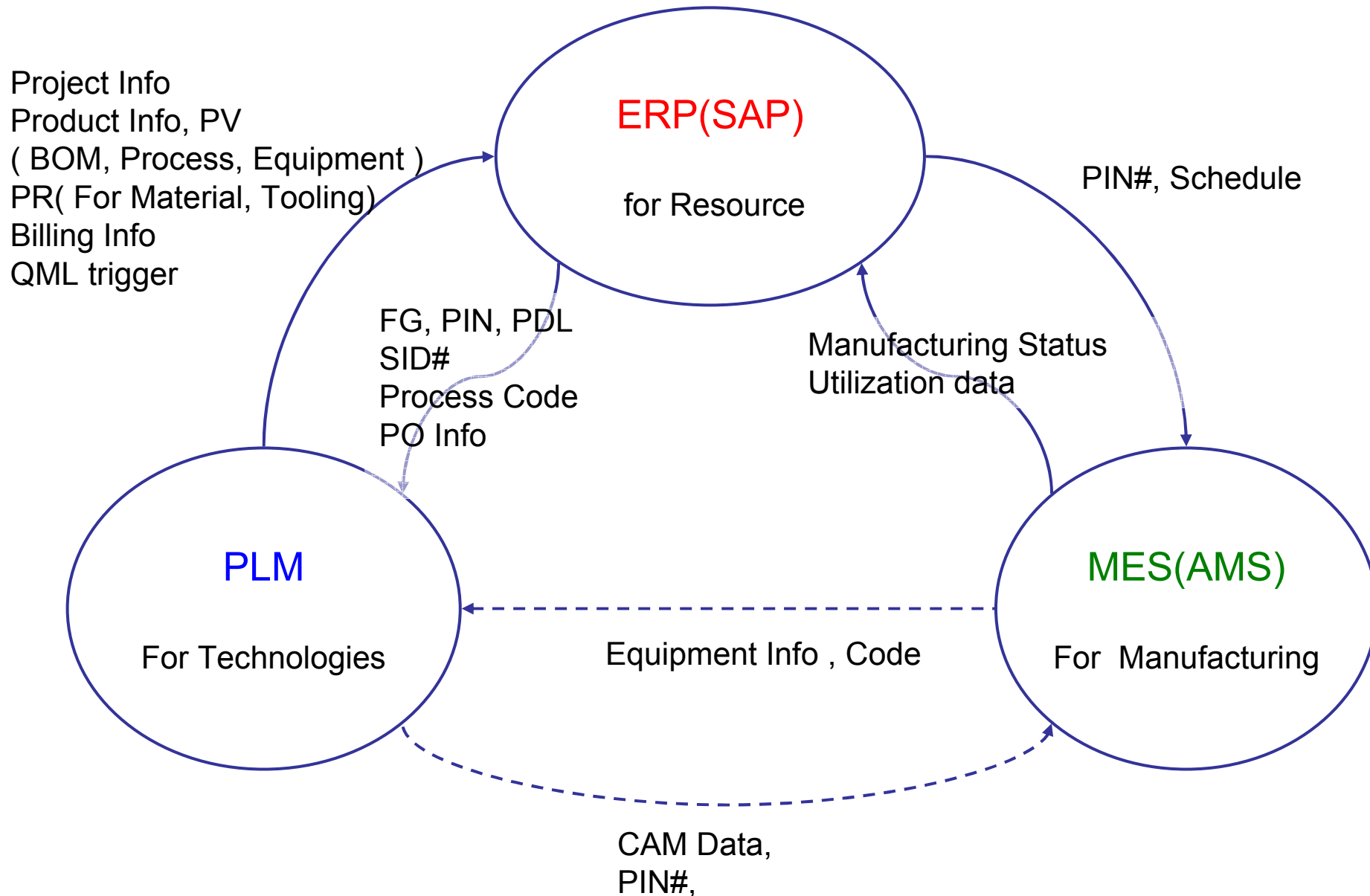
PLM (Product Life Cycle Management) 구축



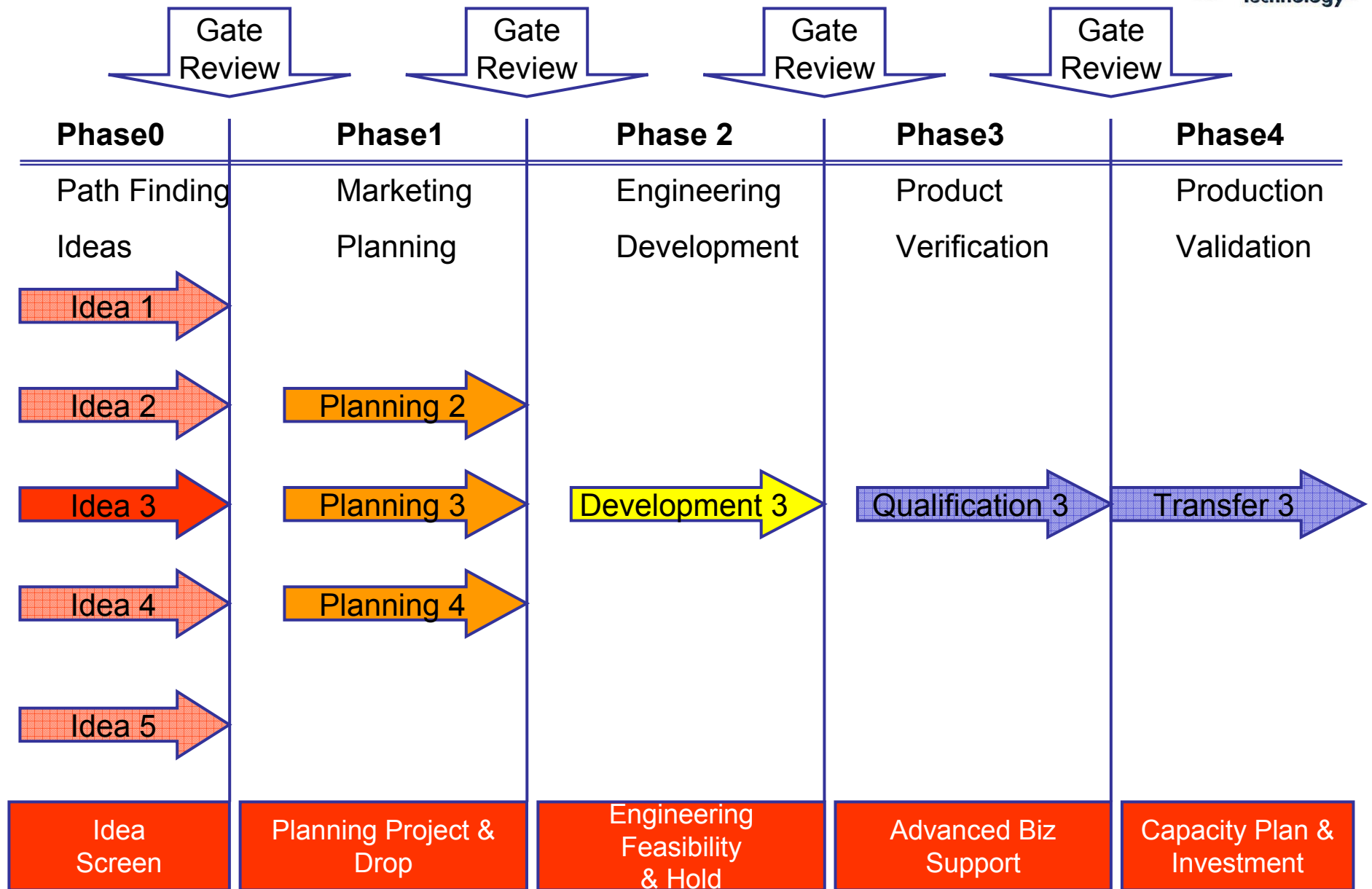
기존의 연구 개발 및 기술 관련 DB를 통합하고 SAP 및 MES와 연계함



Major system categories for Amkor operation

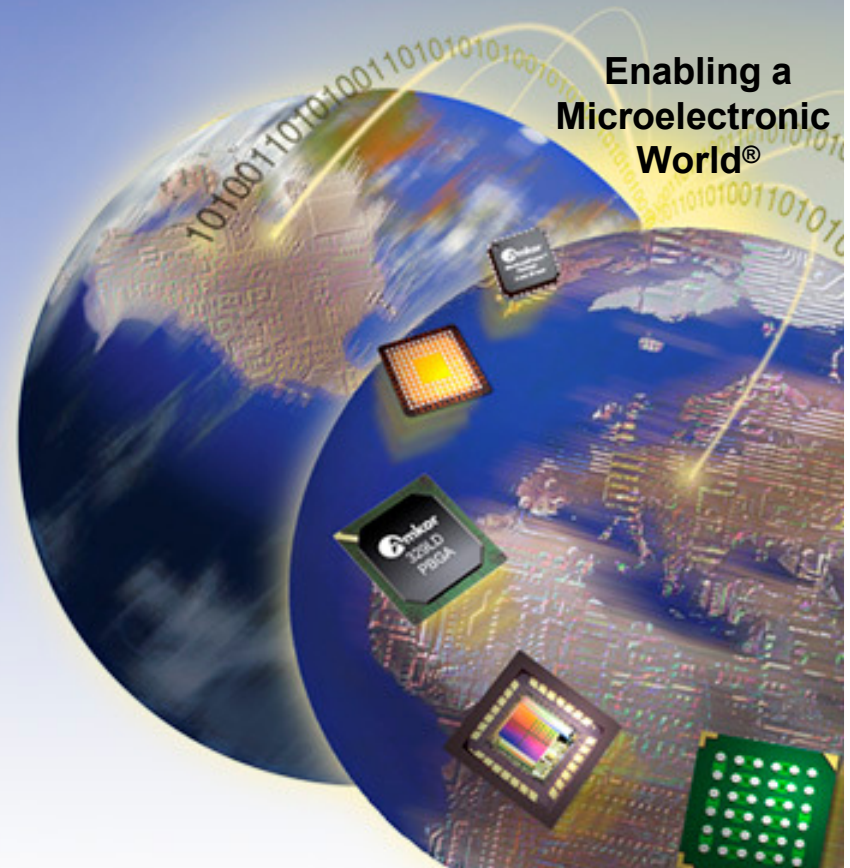


System for Idea & Development

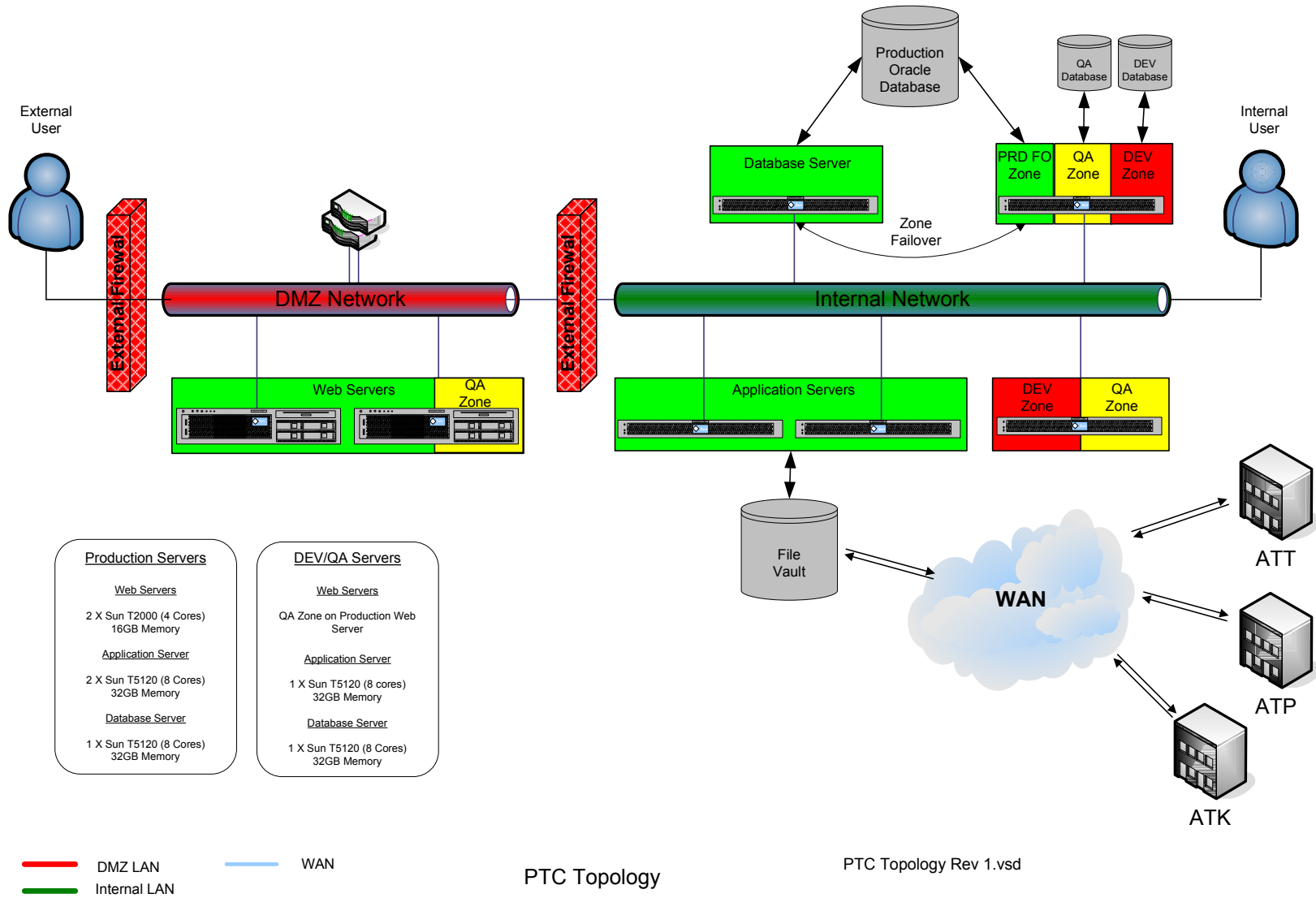


PLM Scope Overview

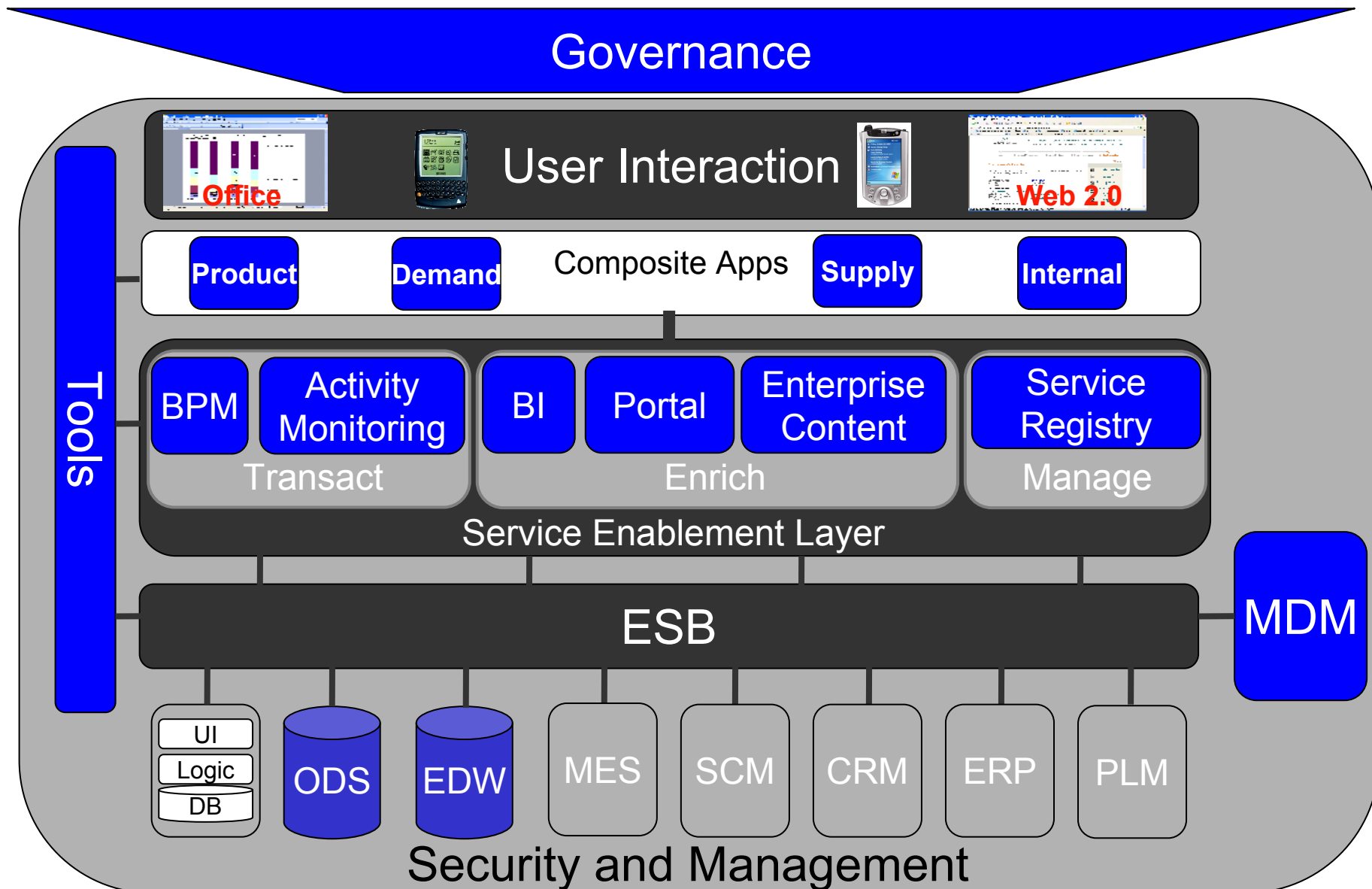
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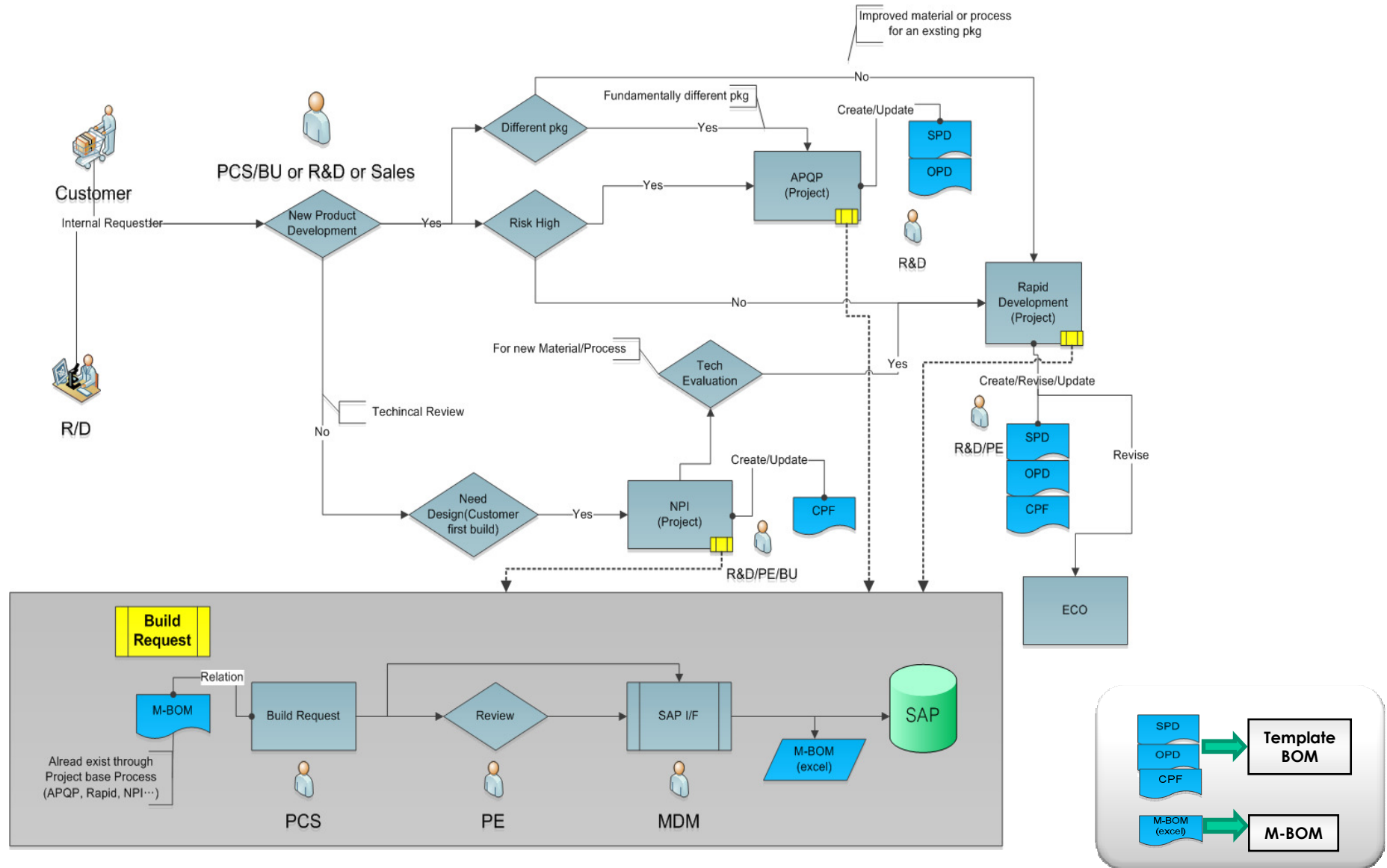
Amkor PLM Architecture



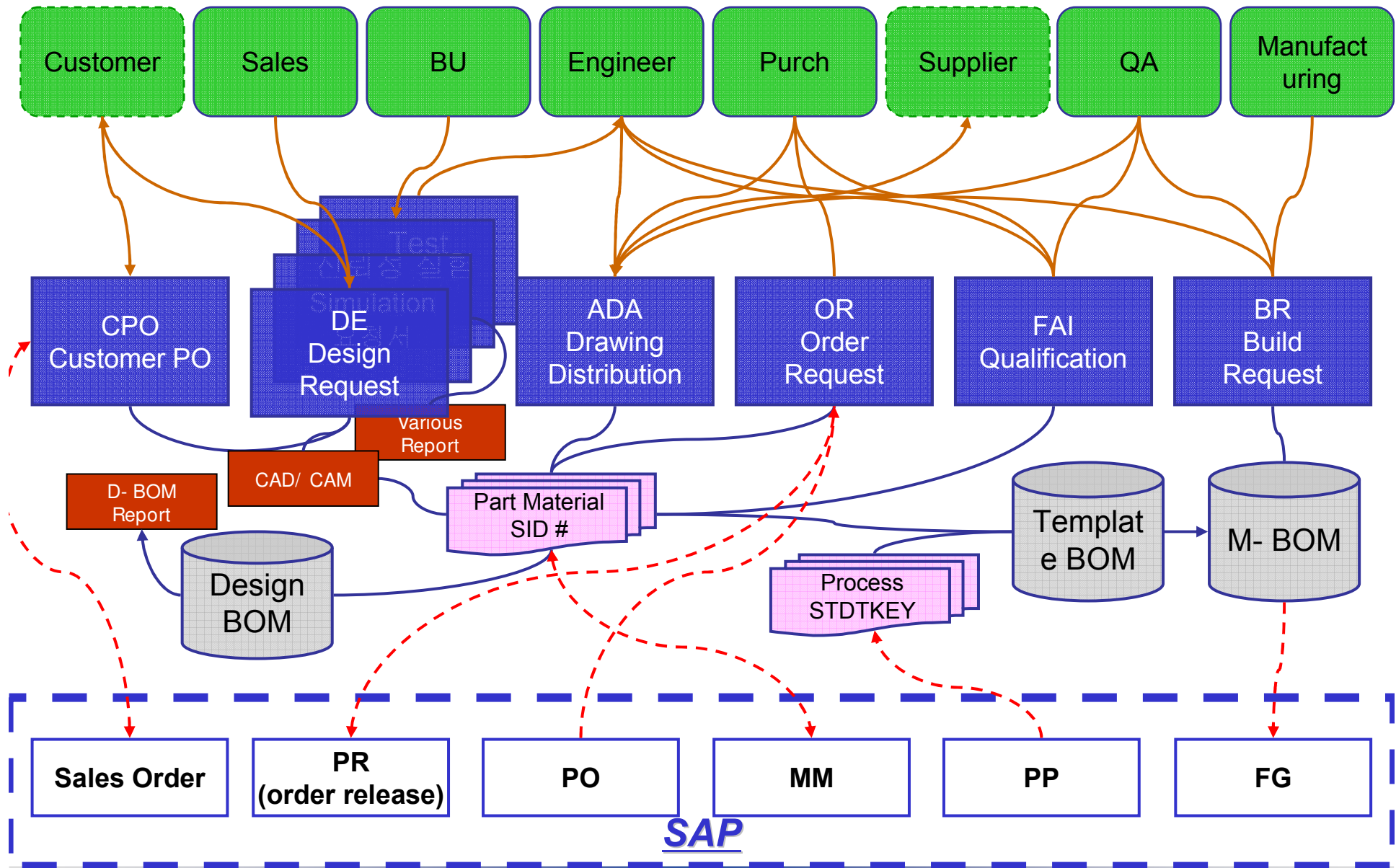
Enterprise SOA Framework



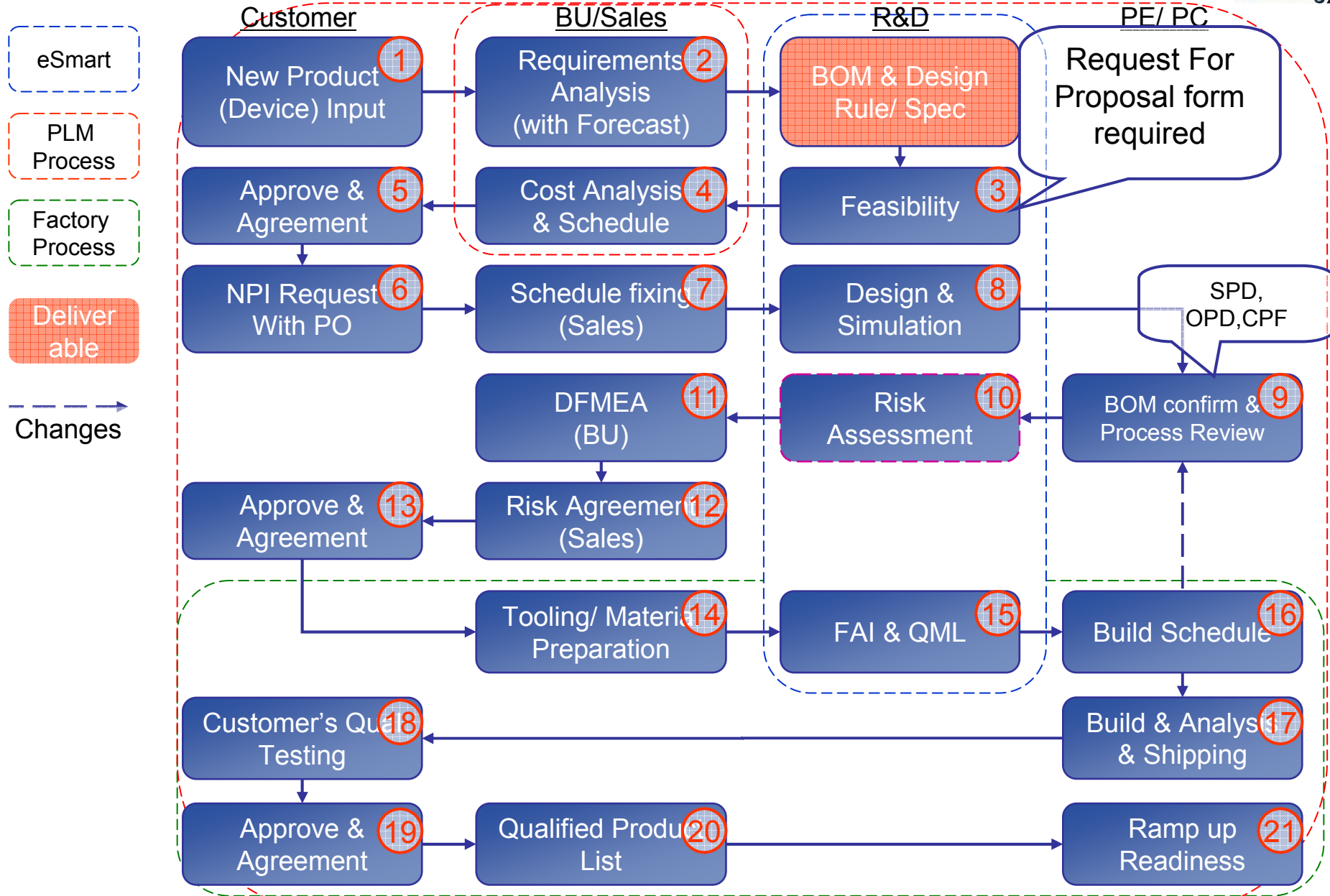
Overall BOM Process



Team, Roles, Work Flows and Deliverables are linking with BOM



New Product (Device) Introduction



Amkor PLM UI



Home - Windows Internet Explorer

http://plm.amkor.com/Windchill/netmarkets/jsp/netmarkets/overview.jsp?oid=OR%3Awt.org.WTUser%3A98266&tab=home&u8=1

Amkor PLM

Event Manager | Clipboard | Help | E-mail Page | Hot Links | Copy Page

Logout | Recently Accessed | Search:

Home Program Product Project Change Library Idea

Overview Assignments Updates Checked-Out Work Meetings Notebook Subscriptions Reports Utilities

Welcome, DooHyun Park

Search within my work:

Assignments (8 of 8 total objects) Current View: Open

	Assignment Name	Actions	Subject of Assignment	State	Done	Status	Deadline	Assigned	Context	Role
<input type="checkbox"/>	Design Request	Actions			0%	?		2009-05-15 11:38 KST	NPI_D-BOM_INFINEON	
<input type="checkbox"/>	Optional qual PO from Customer	Actions			0%	?		2009-05-15 11:38 KST	NPI_D-BOM_INFINEON	
<input type="checkbox"/>	Customer Qual Report Data Collection Items	Actions			0%	?		2009-05-15 11:38 KST	NPI_D-BOM_INFINEON	
<input type="checkbox"/>	Customer Qual Expectations	Actions			0%	?		2009-05-15 11:38 KST	NPI_D-BOM_INFINEON	
<input type="checkbox"/>	Build Request	Actions			0%	?		2009-05-15 11:38 KST	NPI_D-BOM_INFINEON	
<input type="checkbox"/>	Phase 4 - Qual	Actions				?		2009-05-15 11:38 KST	NPI_D-BOM_INFINEON	
<input type="checkbox"/>	Build Request	Actions				?		2009-05-15 11:38 KST	NPI_D-BOM_INFINEON	
<input type="checkbox"/>	Final Qual Scope	Actions				?		2009-05-15 11:38 KST	NPI_D-BOM_INFINEON	

(0 objects selected)

[View Entire List](#)

Updates (8 of 8 total objects) Current View: Most Recent

	Name	Number	Actions	Version	State	Last Modified	Context
<input type="checkbox"/>	AWW PCN for Drawing Change & Business Process Change	ECO-000021	Actions		Working PCN	2009-02-10 09:02 KST	Common Product
<input type="checkbox"/>	DE024430_DTS_	DE024430	Actions	A.1	In Work	2009-05-14 13:36 KST	Common Product
<input type="checkbox"/>	TW023906-TestWafer-Copper wire SQB	TW023906	Actions	A.3	Receiving	2009-05-13 15:14 KST	Test Wafer
<input type="checkbox"/>	CABGA NiPdAu SQC & BLR test		Actions		Not Started	2009-05-12 15:43 KST	Advanced Materials
<input type="checkbox"/>	TW023919-TestWafer-Additional wafer for AMK-06 China build for additional legs	TW023919	Actions	A.3	Receiving	2009-05-13 09:32 KST	Test Wafer
<input type="checkbox"/>	BR024103-BUILD-Testing -dprk	BR024103	Actions	A.1	Review NDRS	2009-05-11 01:51 KST	Common Product
<input type="checkbox"/>	TW022291-TestWafer-SAC WAFER FOR PKG QUAL	TW022291	Actions	A.3	Receiving	2009-05-11 09:07 KST	Test Wafer
<input type="checkbox"/>	TW024047-TestWafer-Control lots for Henkel AMK-06 China	TW024047	Actions	A.3	Receiving	2009-05-13 09:40 KST	Test Wafer

(0 objects selected)

신뢰할 수 있는 사이트 100%

EPM Drawing View



Actions **CAD Part - 403386WB.dwg, 0B.2**

Number: 403386WB	Type: Workgroup Manager CAD Document
Name: 403386WB	Document Category: CAD Part
File Name: 403386WB.dwg	Location: /Quad-LF/Design/CAD/2009/05
Version: 0B.2	Created On: 2009-05-13 08:47 KST
State: In Work - Under Review - Approved - Rejected - Released - Obsolete	Created By: Gyulck Jung
Last Modified: 2009-05-13 11:22 KST	Authoring Application: AutoCAD
Modified By: Gyulck Jung	
Description:	

General Related Objects Hjstory Collaboration

Content Table (1 objects) ?

File Name	Category	File Size	Last Modified	Modified By
403386WB.dwg	General	368.82 KB	2009-05-13 11:22 KST	Gyulck Jung

Attributes (29 objects) ?

Attribute	Value	Applicable to
BALL_LEAD_COUNT	48	This Iteration Only
BALL_LEAD_PITCH	0.50mm	This Iteration Only
BODY_SIZE	7.00mm X 7.00mm	This Iteration Only
BODY_THICKNESS	1.000	This Iteration Only
CUSTOMER_NUMBER	335	This Iteration Only
CUSTOMER_TOOL_OR_NOT	CUSTOMER-335-PROPRIETARY	This Iteration Only
DEVICE_NAME	E2065_00	This Iteration Only
DIE_PAD_OPEINING	0.055	This Iteration Only
DIE_PAD_PITCH	0.112	This Iteration Only
DIE_SIZE	X: 2.659 Y: 2.659	This Iteration Only