



# **SAP Manufacturing & Interoperability**

Jürgen Wettengl  
ASM Manufacturing, SAP AG

# Agenda : SAP Manufacturing and Interoperability

**What is the situation today ?**

**What are the problems ?**

**What are the objectives ?**

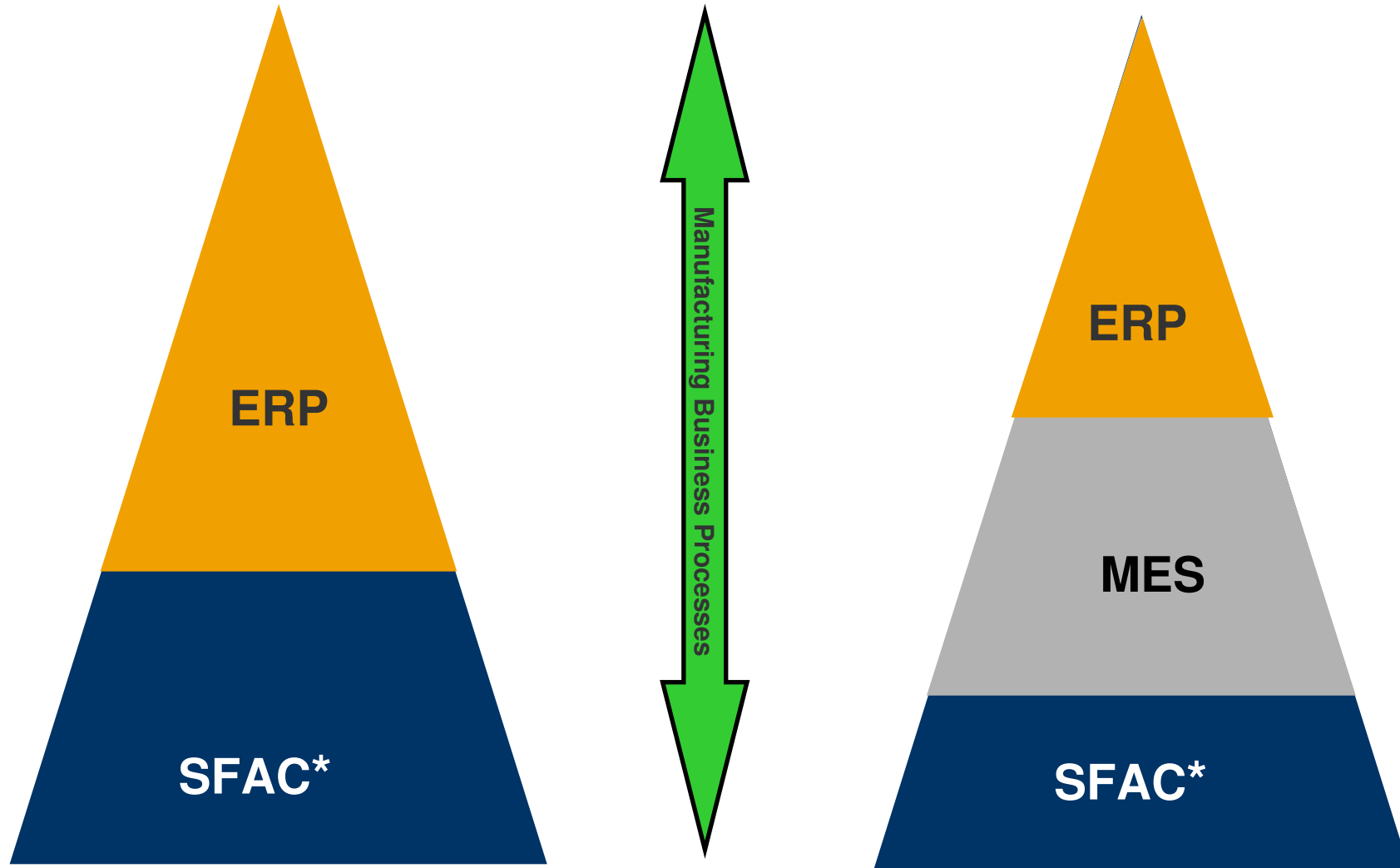
**How can SAP help ?**

**What are the benefits?**

# Kitchen

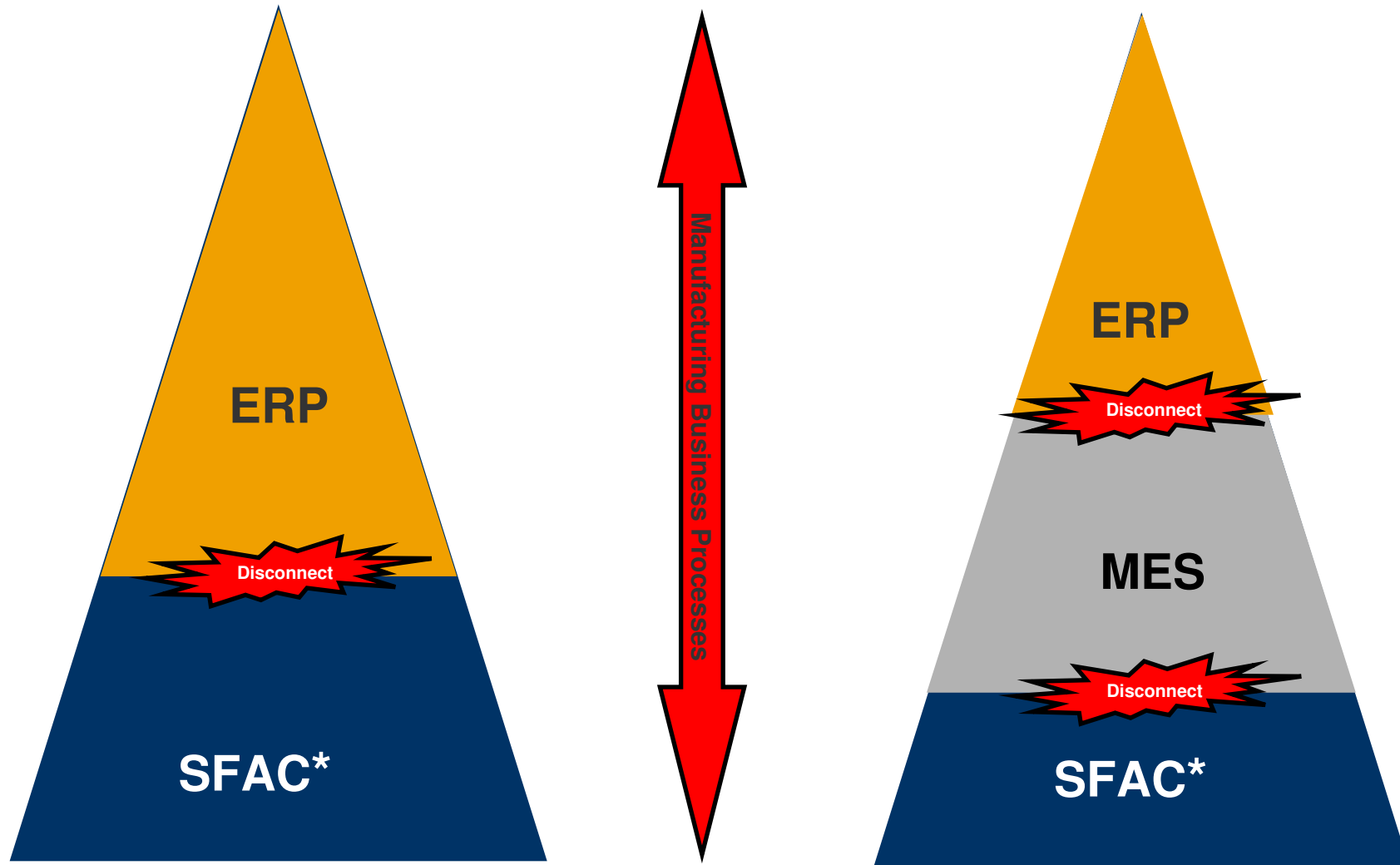


## What is the situation today ?



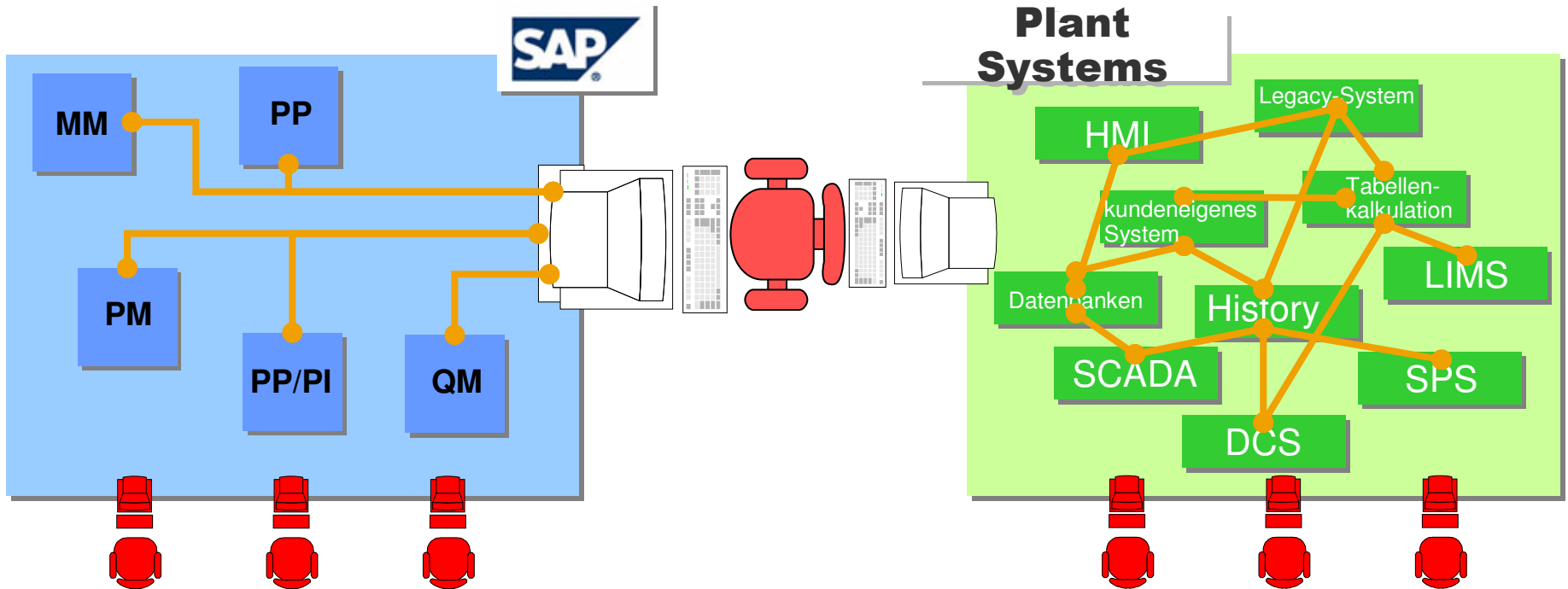
\* Shop Floor Automation and Control Systems

## What are the problems ?



\* Shop Floor Automation and Control Systems

# Why use standards like ANSI/S95?



## What are the objectives ?

**Cost Reduction** per minimizing the number of interfaces, layers and data maintenance.

Standardize the interfaces based on **ANSI/ISA-95** B2MML messages.

**Logical integration** between the ERP and the shop Floor systems to improve the data quality and the business processes.

Improved usability and exception based proactive business process monitoring to **control the route of the message transportation.**

**Visualization** and reporting of production relevant data from all involved levels from the shop floor to my SAP Business Suite.

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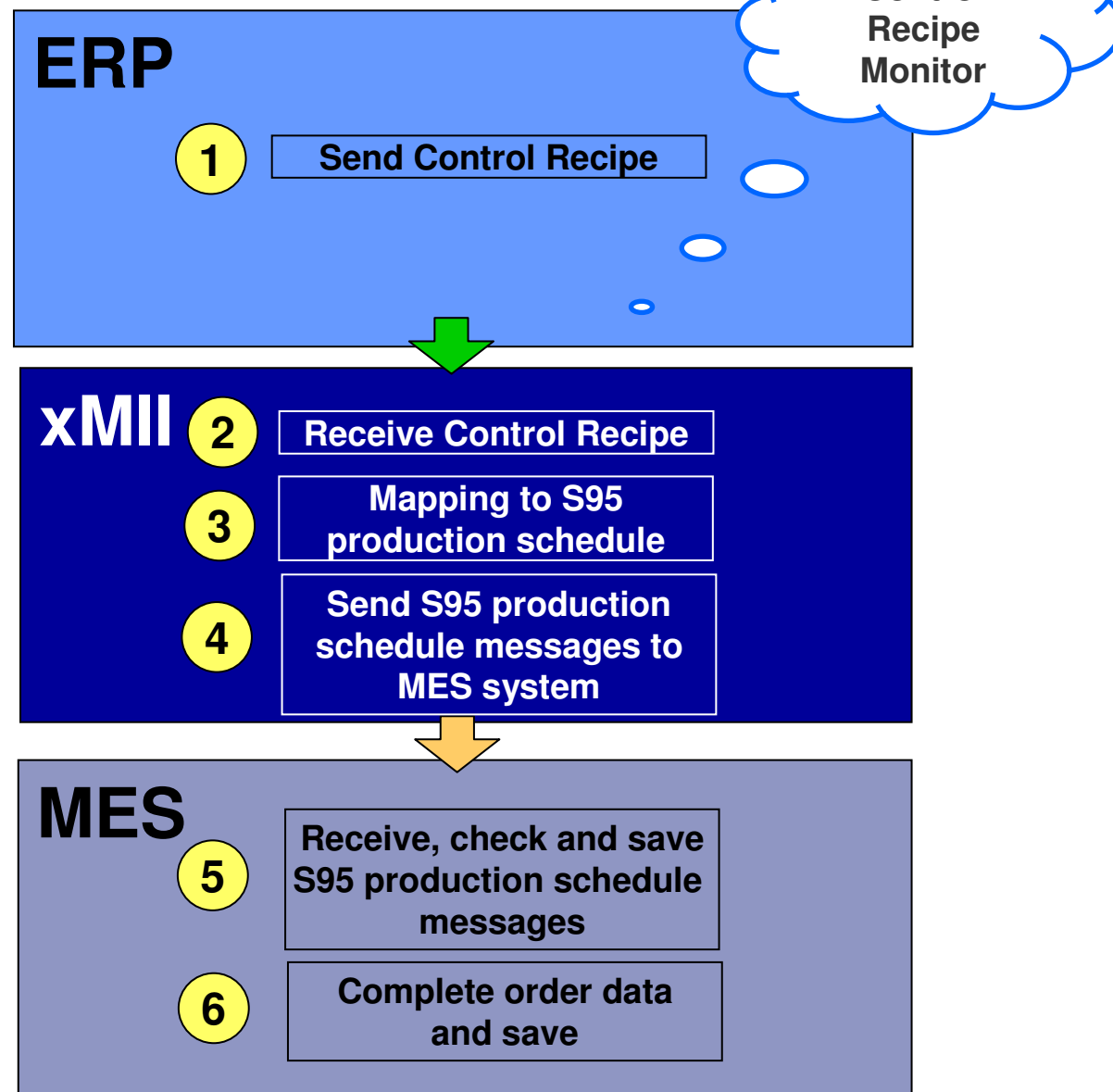


# How can SAP help?

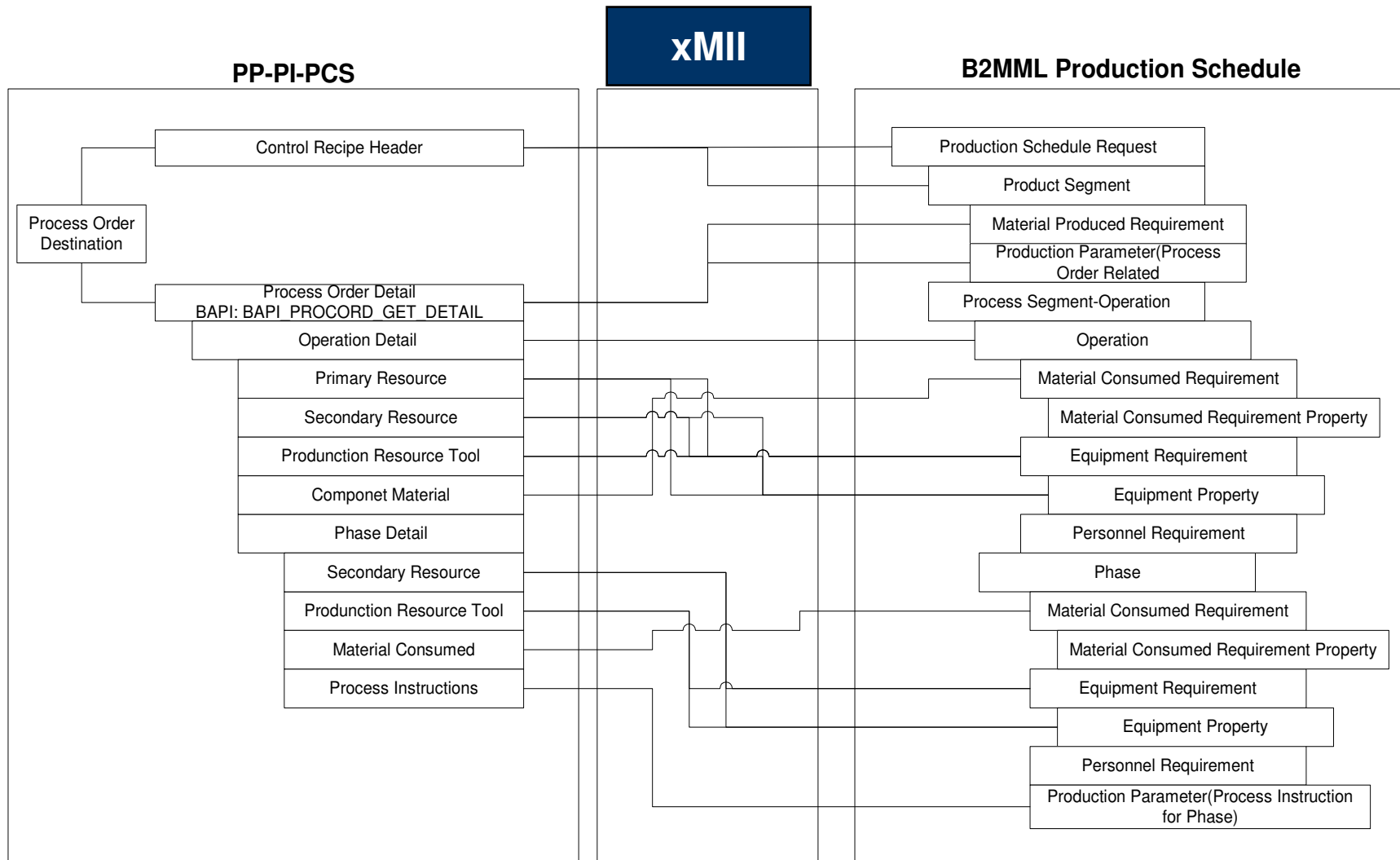
**Interoperability Scenarios – Best Practices**

**Proactive Solution Monitoring**

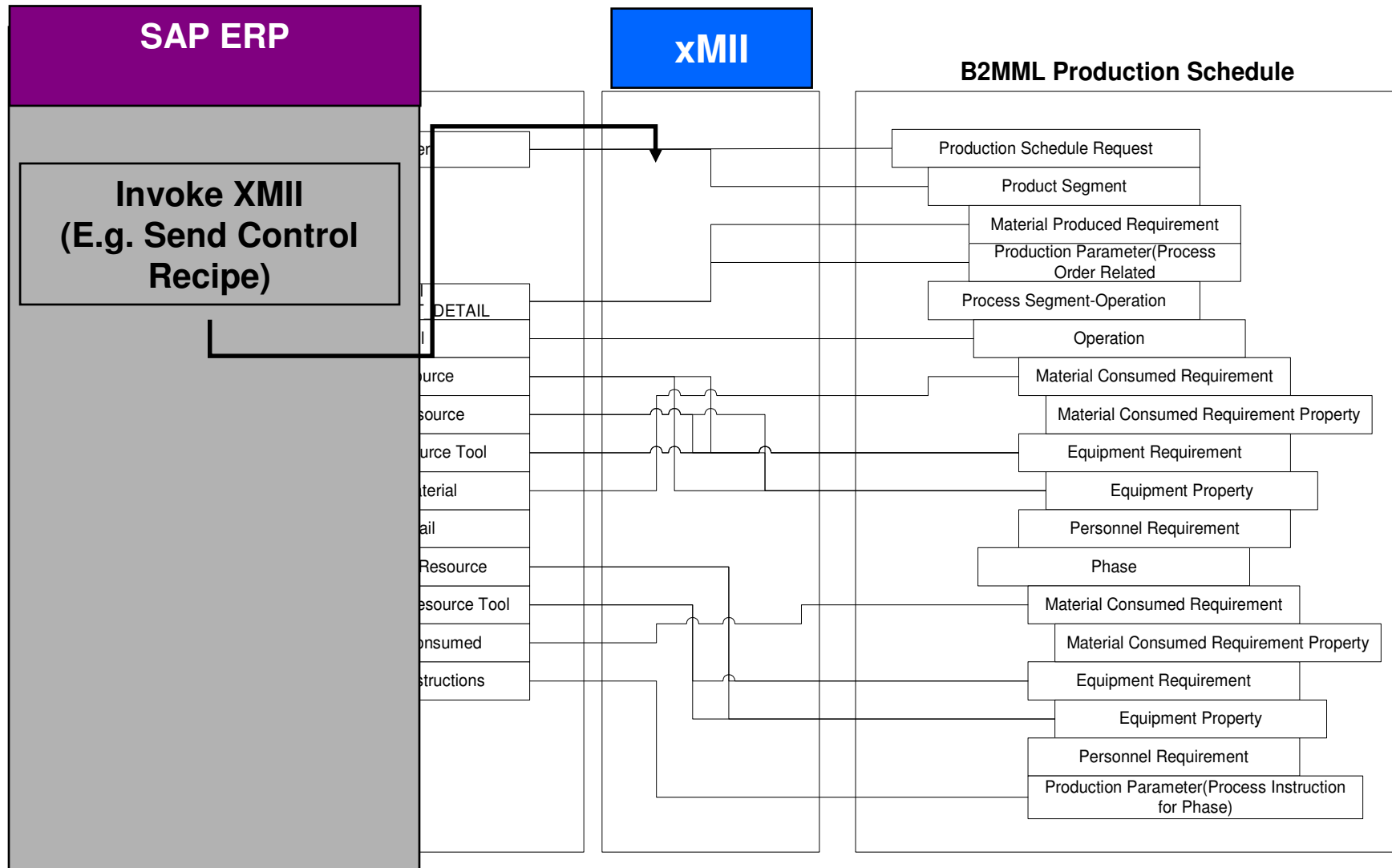
# Example ANSI/ISA-95 Production Schedule



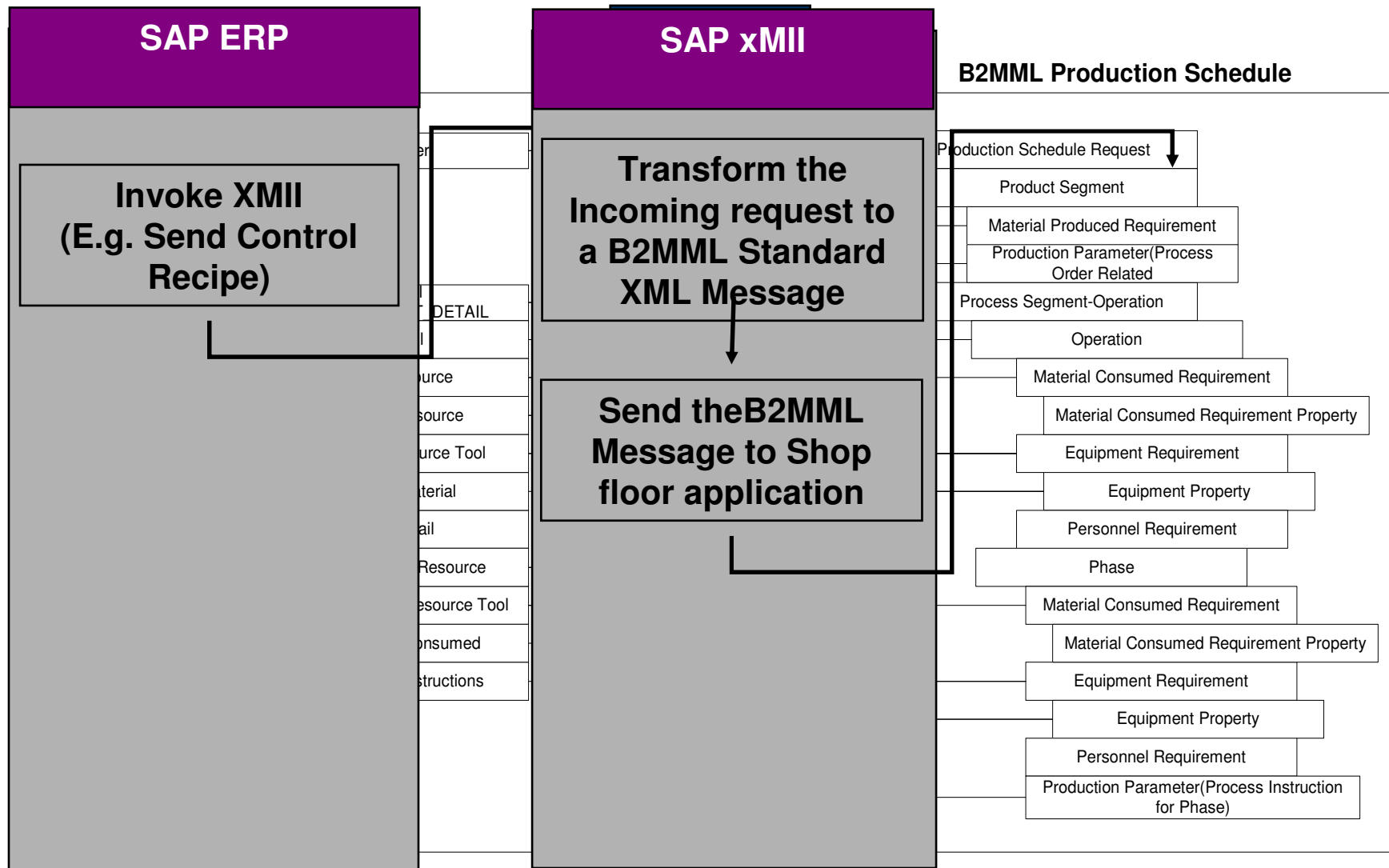
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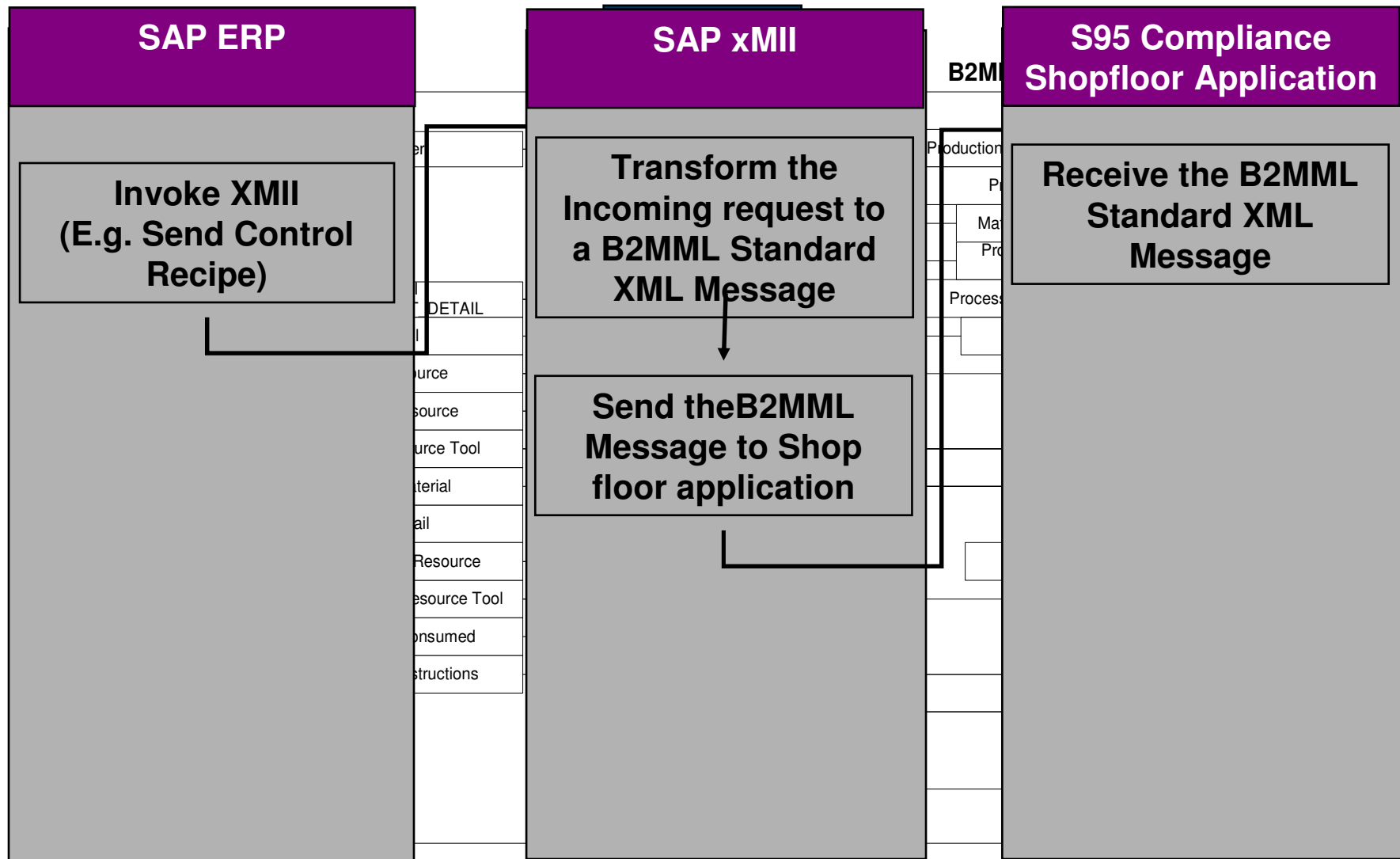
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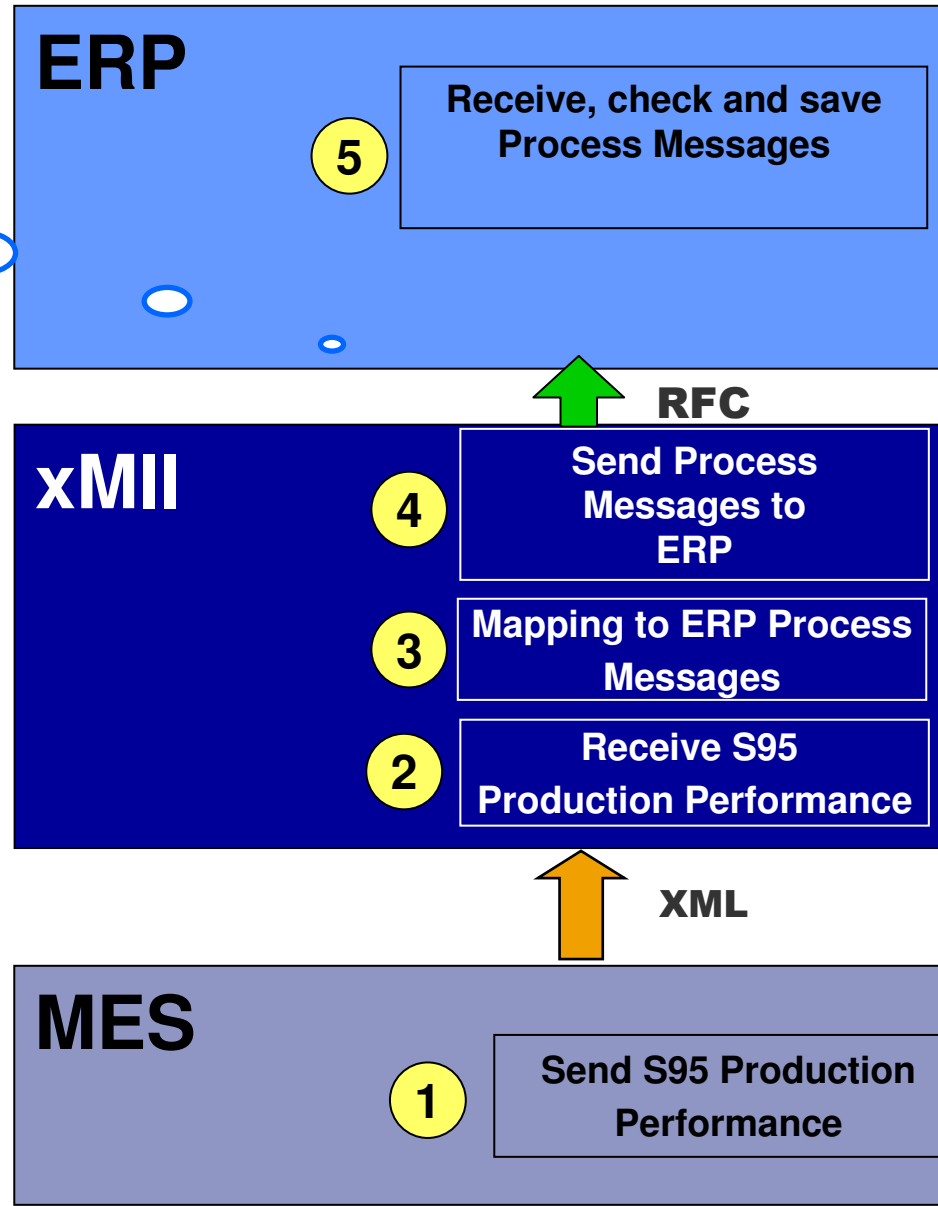
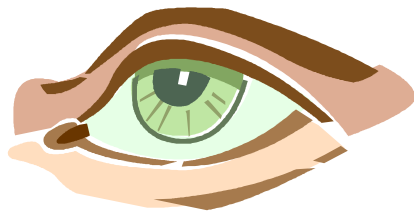
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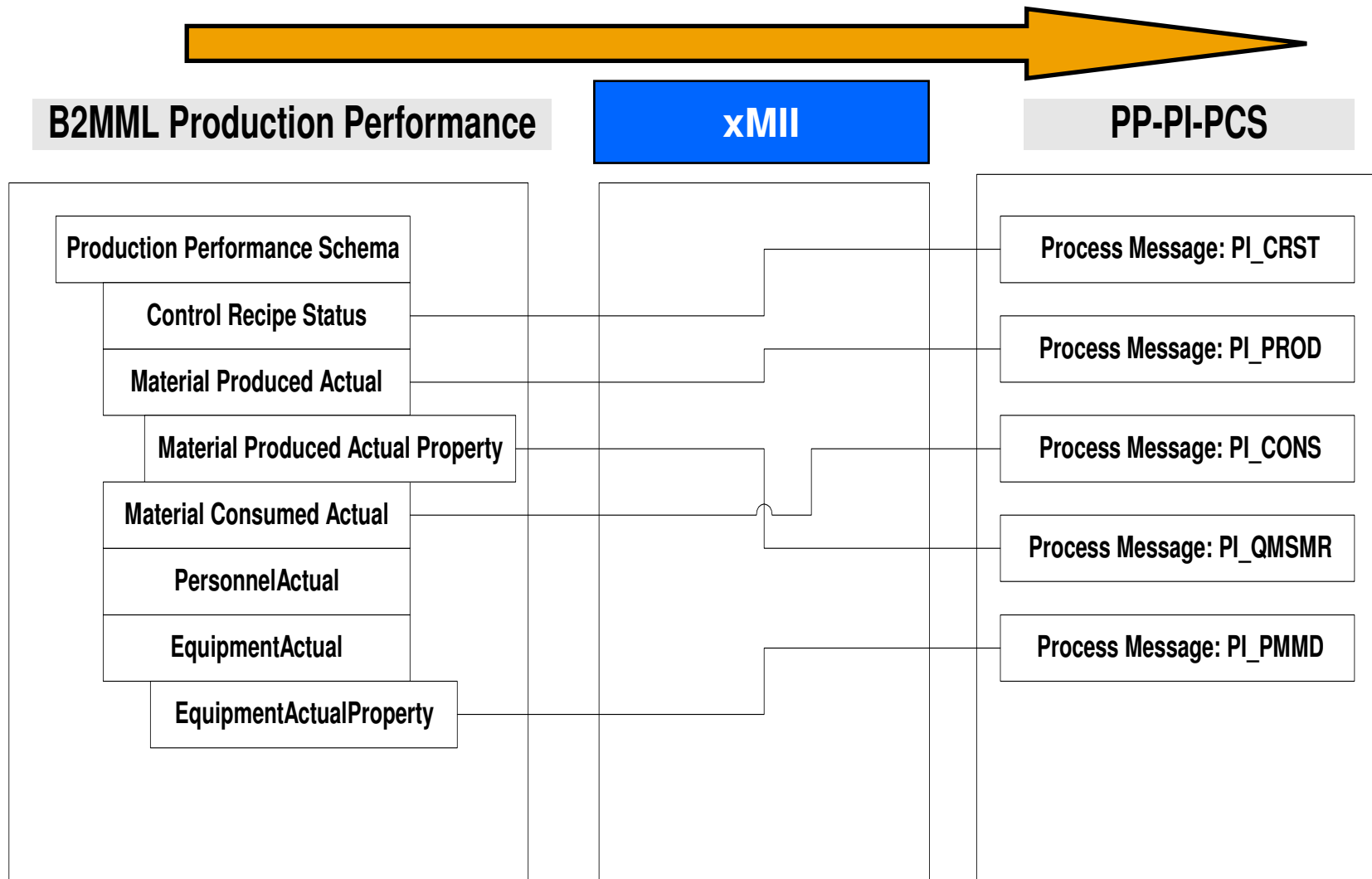
# Example ANSI/ISA-95 Production Schedule



# Example ANSI/ISA-95 Production Performance

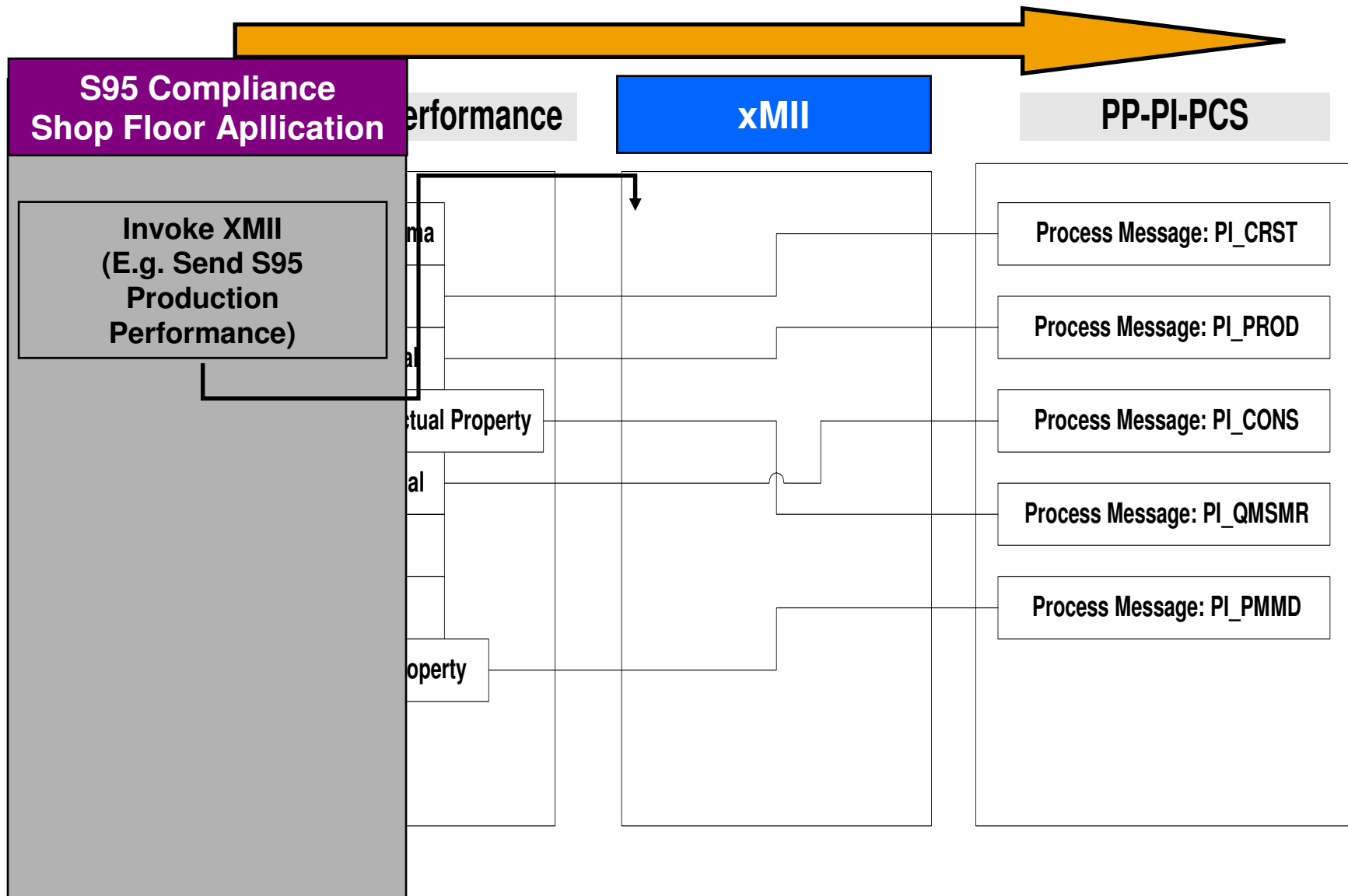


# Example ANSI/ISA-95 Production Performance

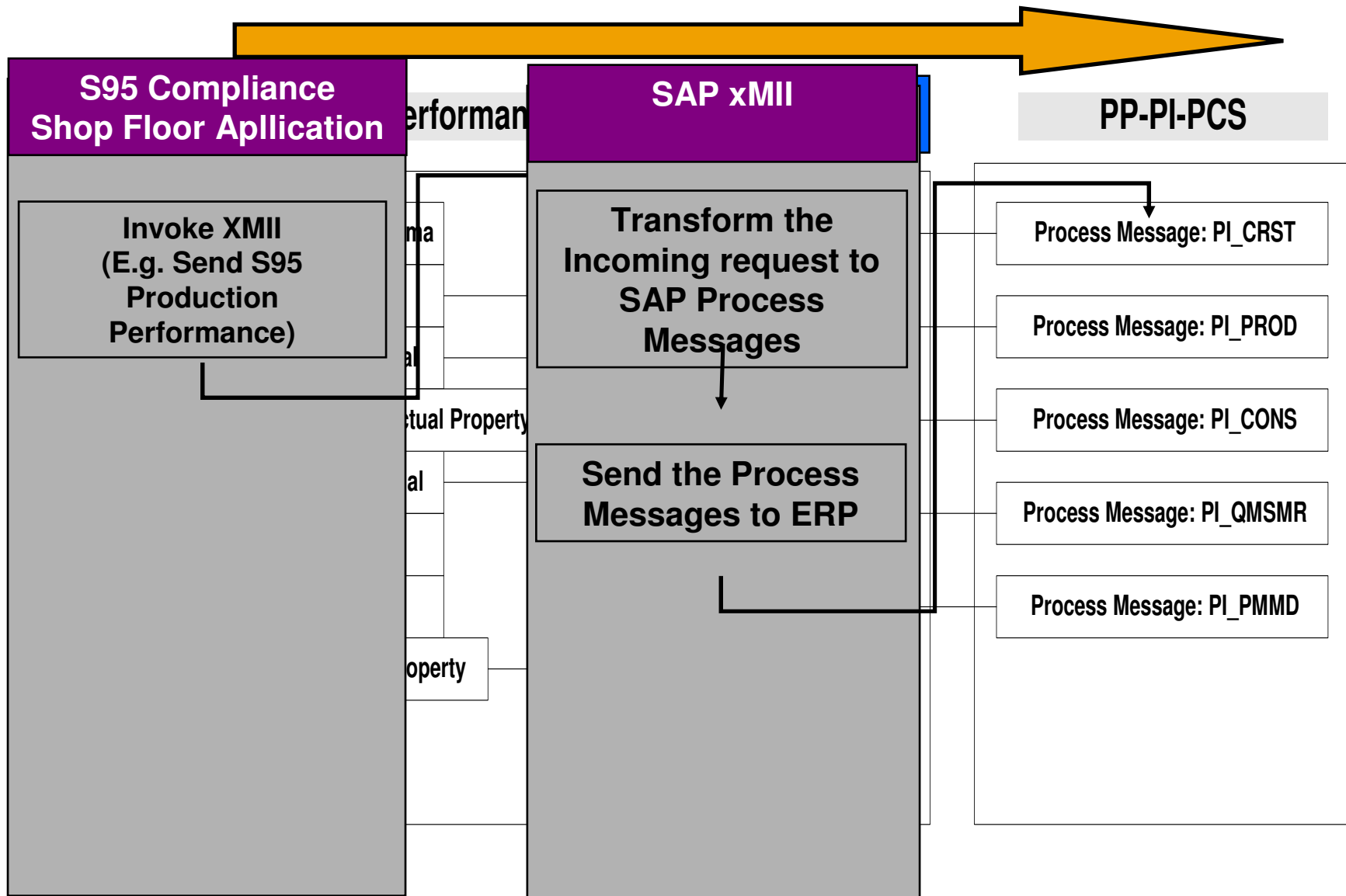




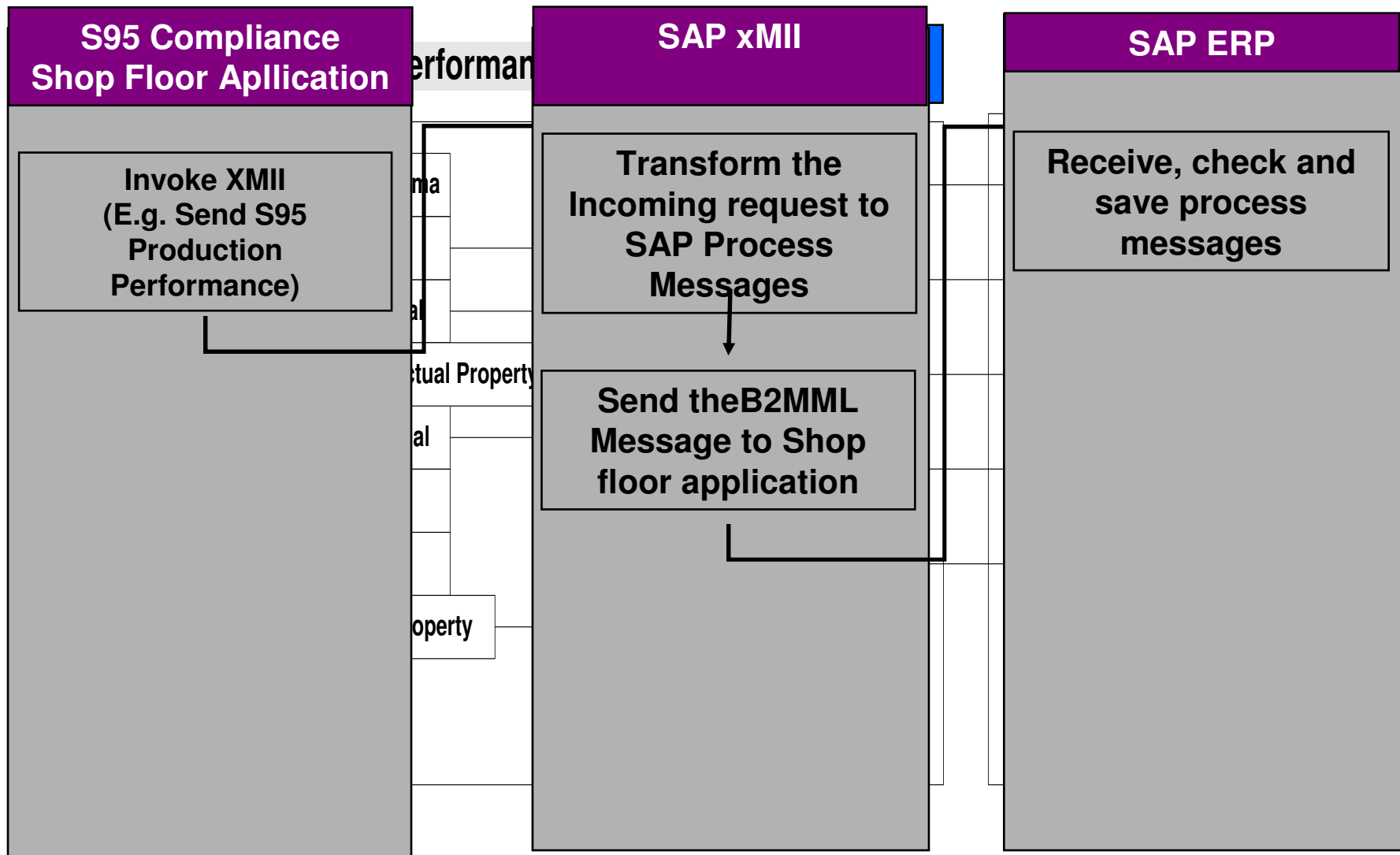
# Example ANSI/ISA-95 Production Performance



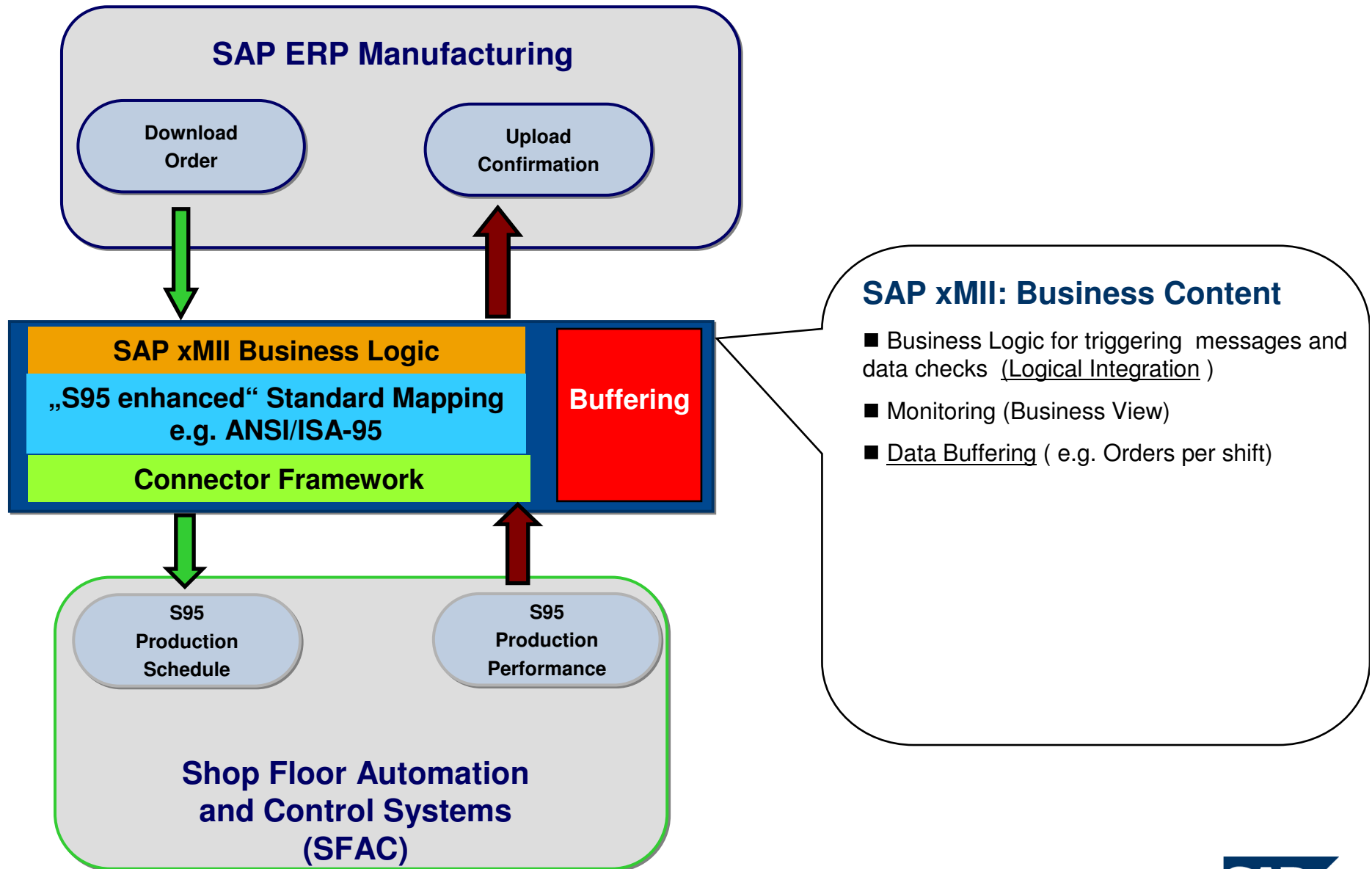
# Example ANSI/ISA-95 Production Performance



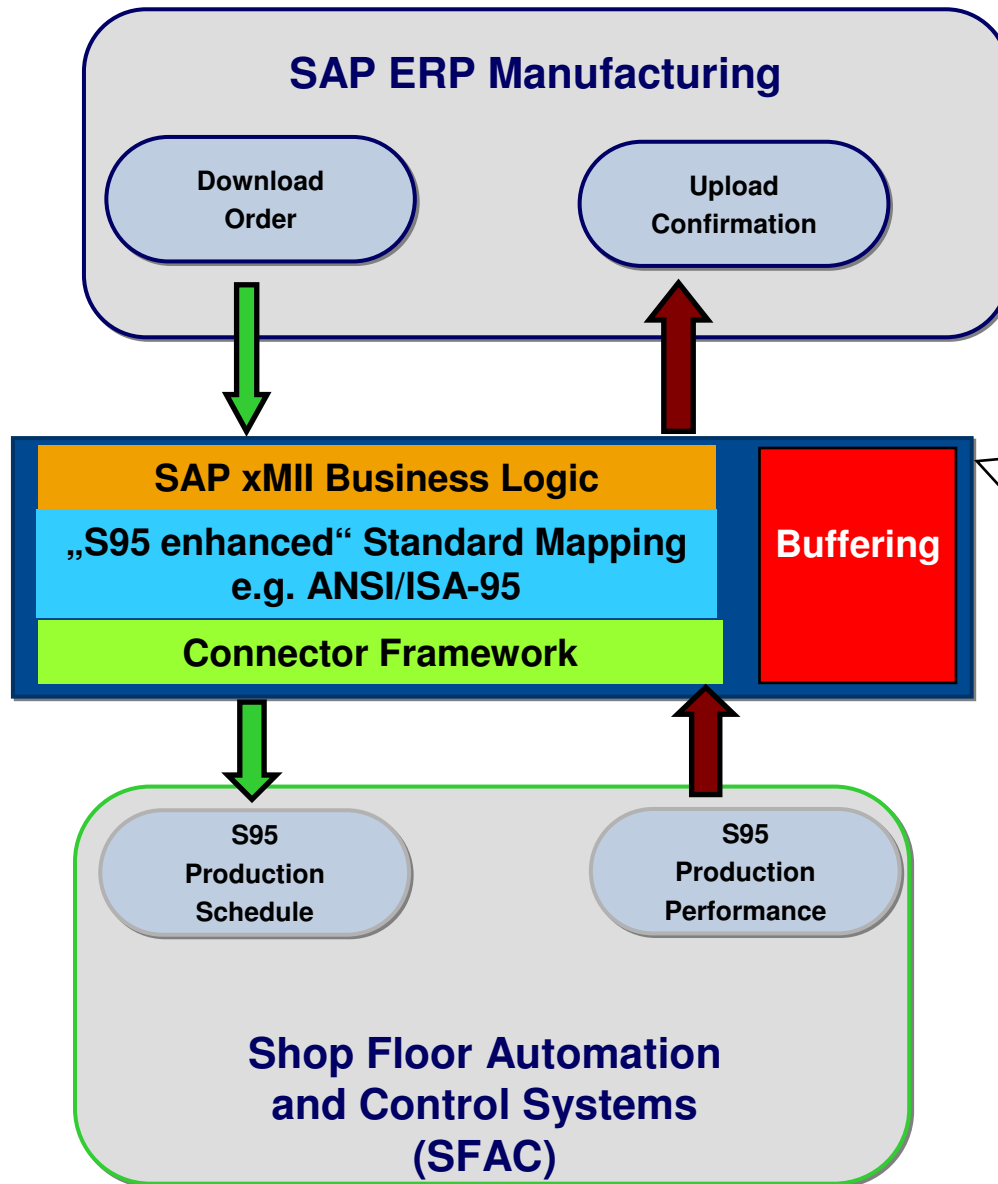
# Example ANSI/ISA-95 Production Performance



# Example A: Directly Integrate „Production Line“ using xMII



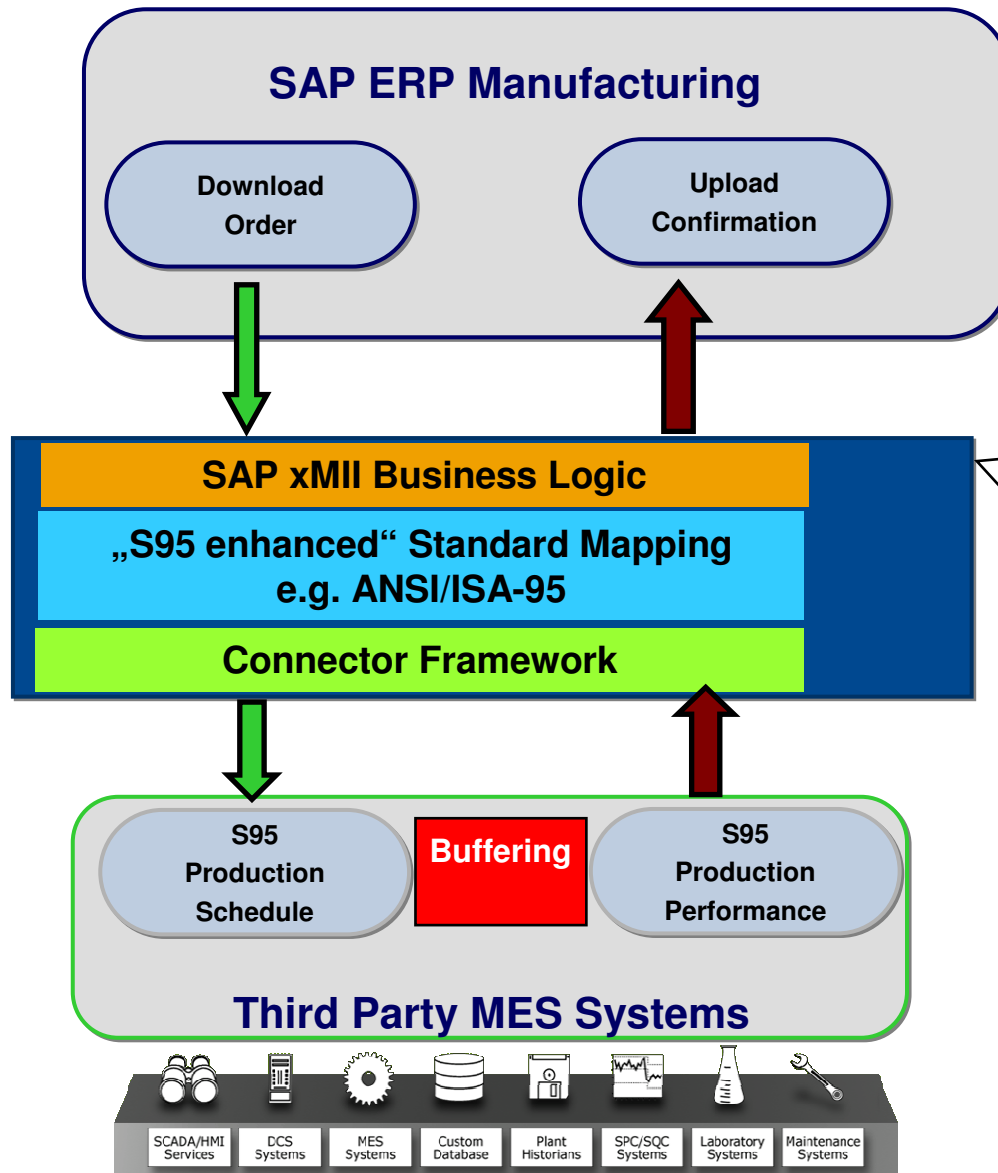
# Example A: Directly Integrate „Production Line“ using xMII



## SAP xMII: Business Content

- Business Logic for triggering messages and data checks (Logical Integration)
- Monitoring (Business View)
- Data Buffering ( e.g. Orders per shift)
- Delivery and Support Shop Floor Connectors
- Transformation, Aggregation and Mapping
- Message Queuing and Logging
- Used for Synchronous and Asynchronous Message Transfer
- Visualization and Retry Capabilities

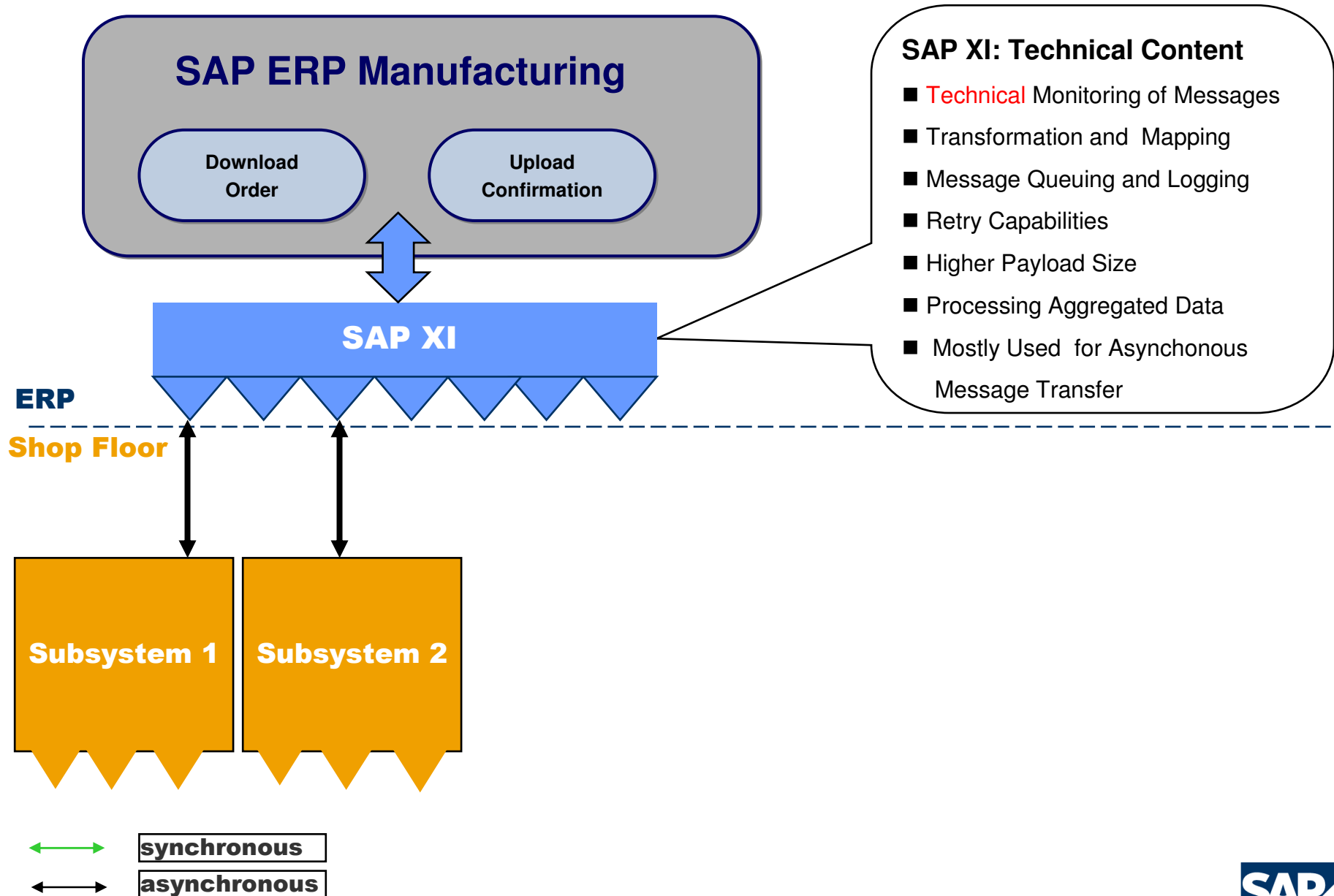
# Example B: Integrate „Third Party MES System“ using xMII



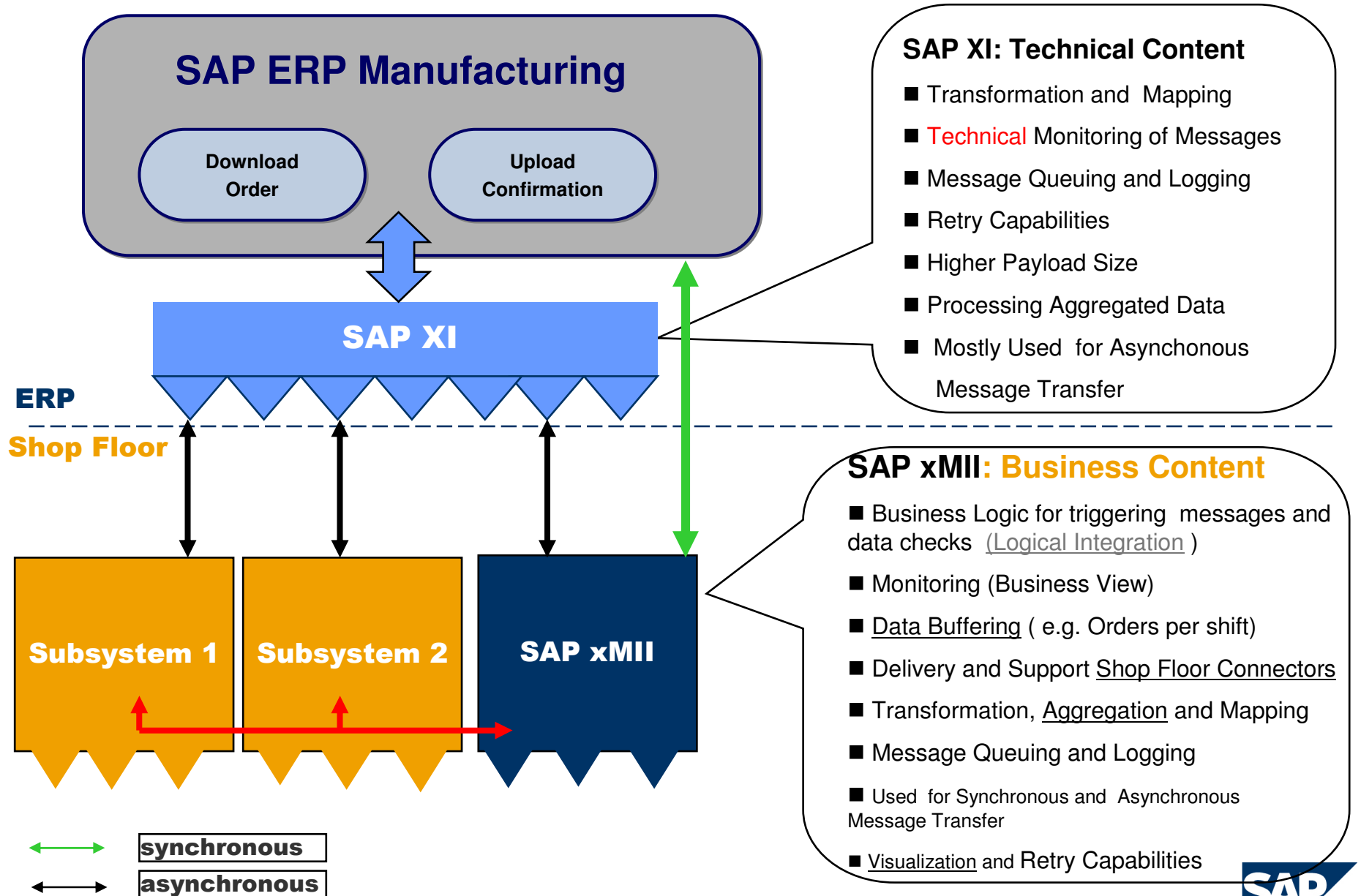
## SAP xMII: Business Content

- Business Logic for triggering messages and data checks (Logical Integration)
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# Example C: „Integrate Plant Systems“ using XI and xMII

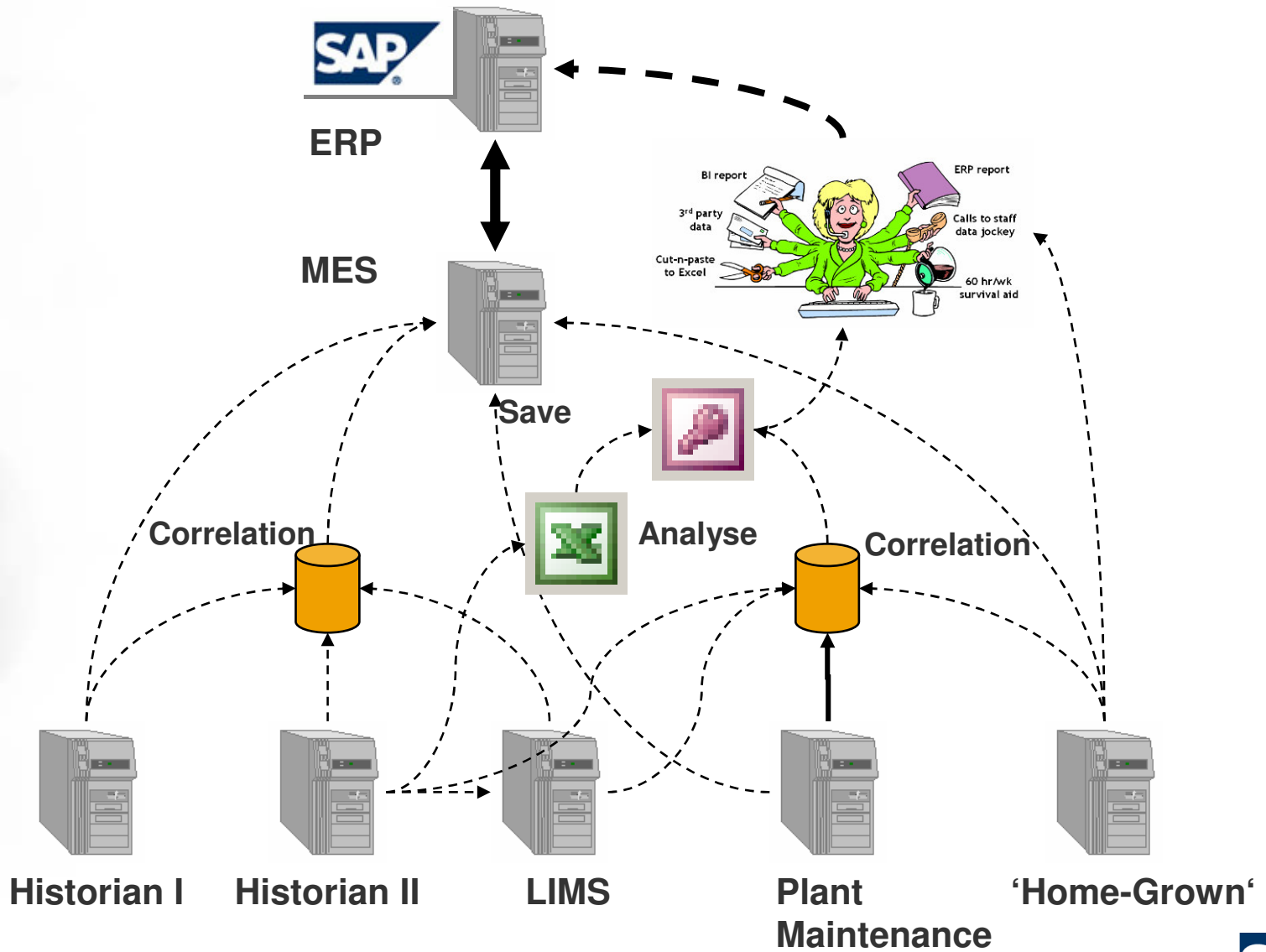


# Example C: „Integrate Plant Systems“ using XI and xMII

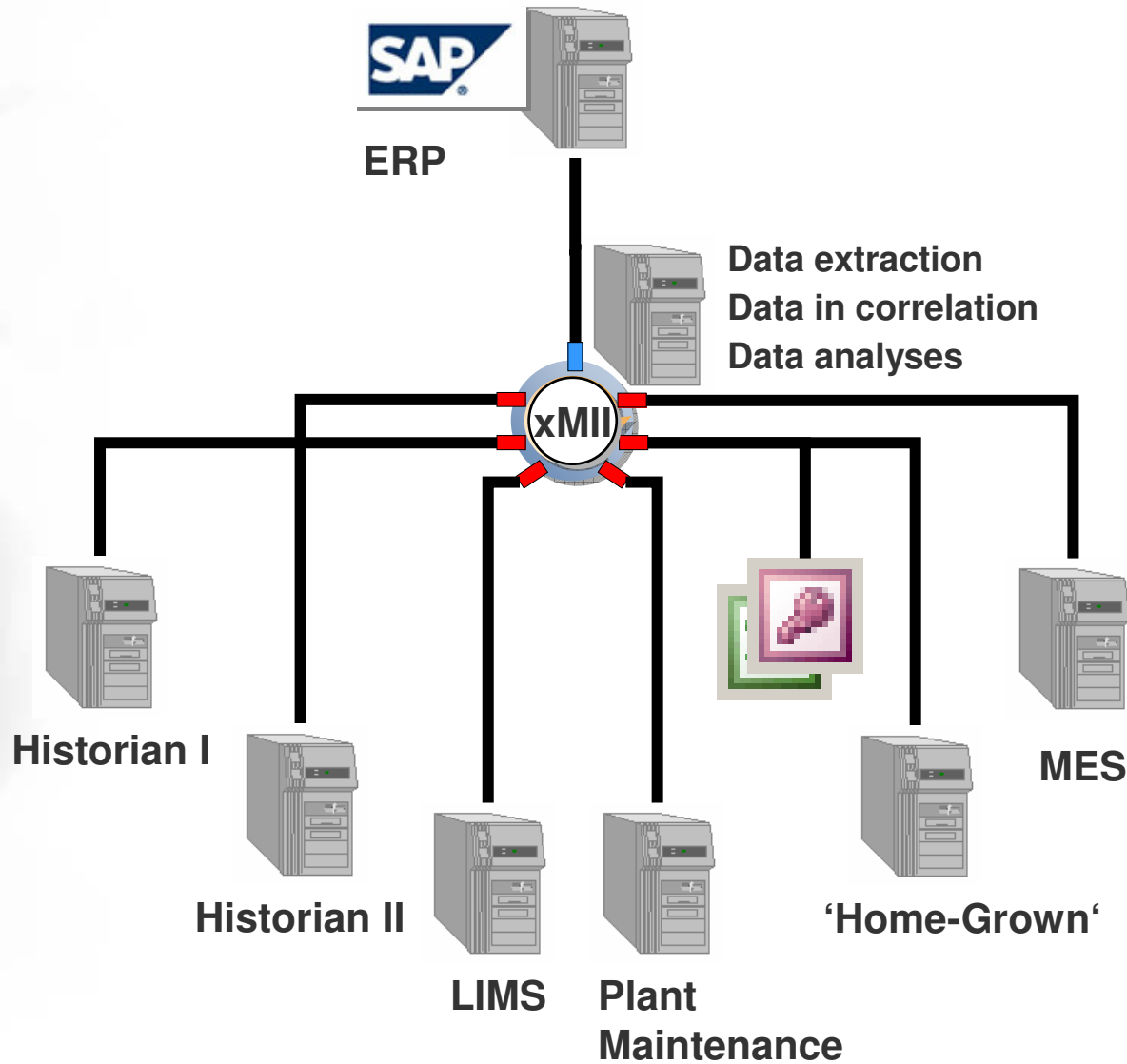




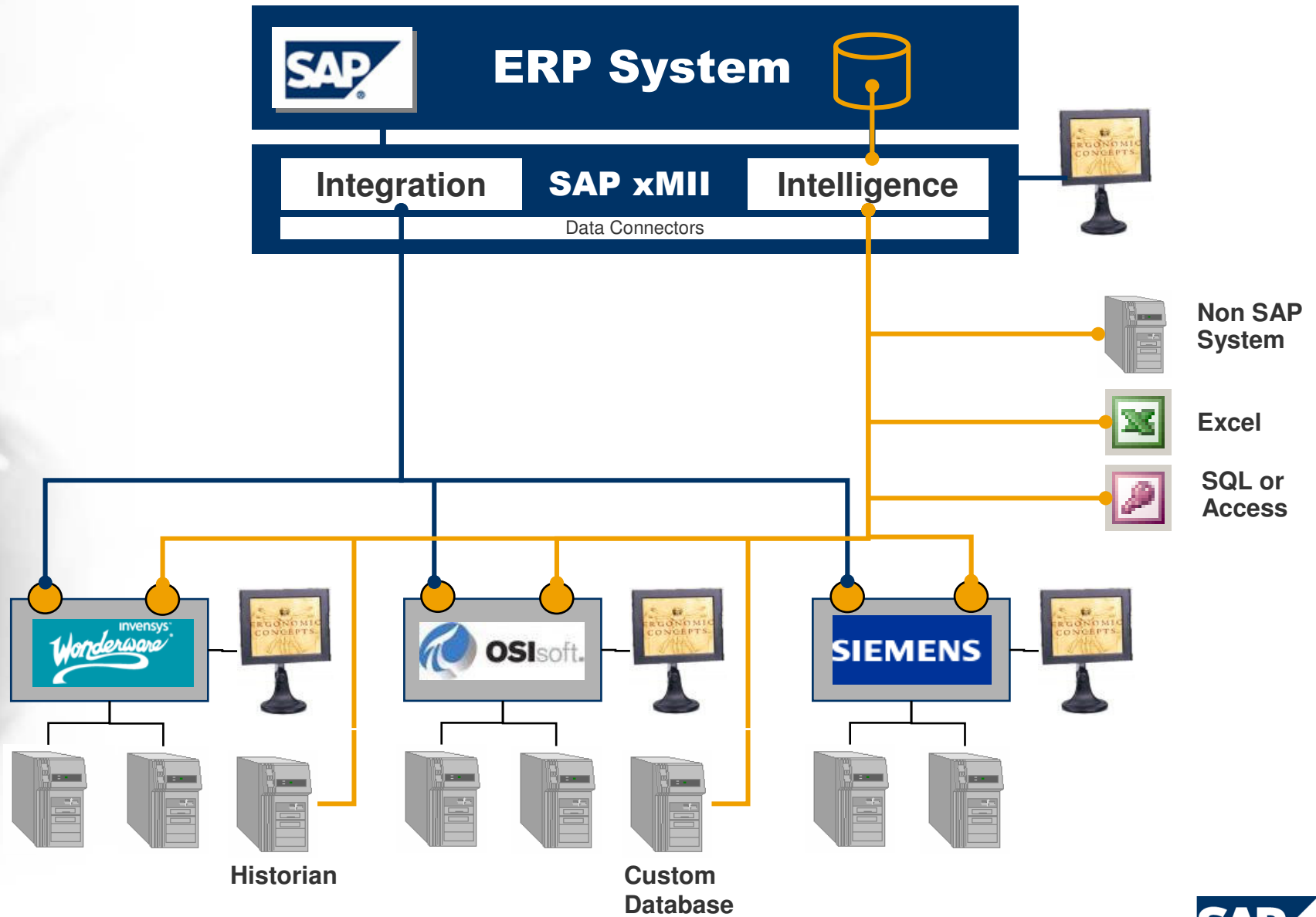
# Interfaces in production?



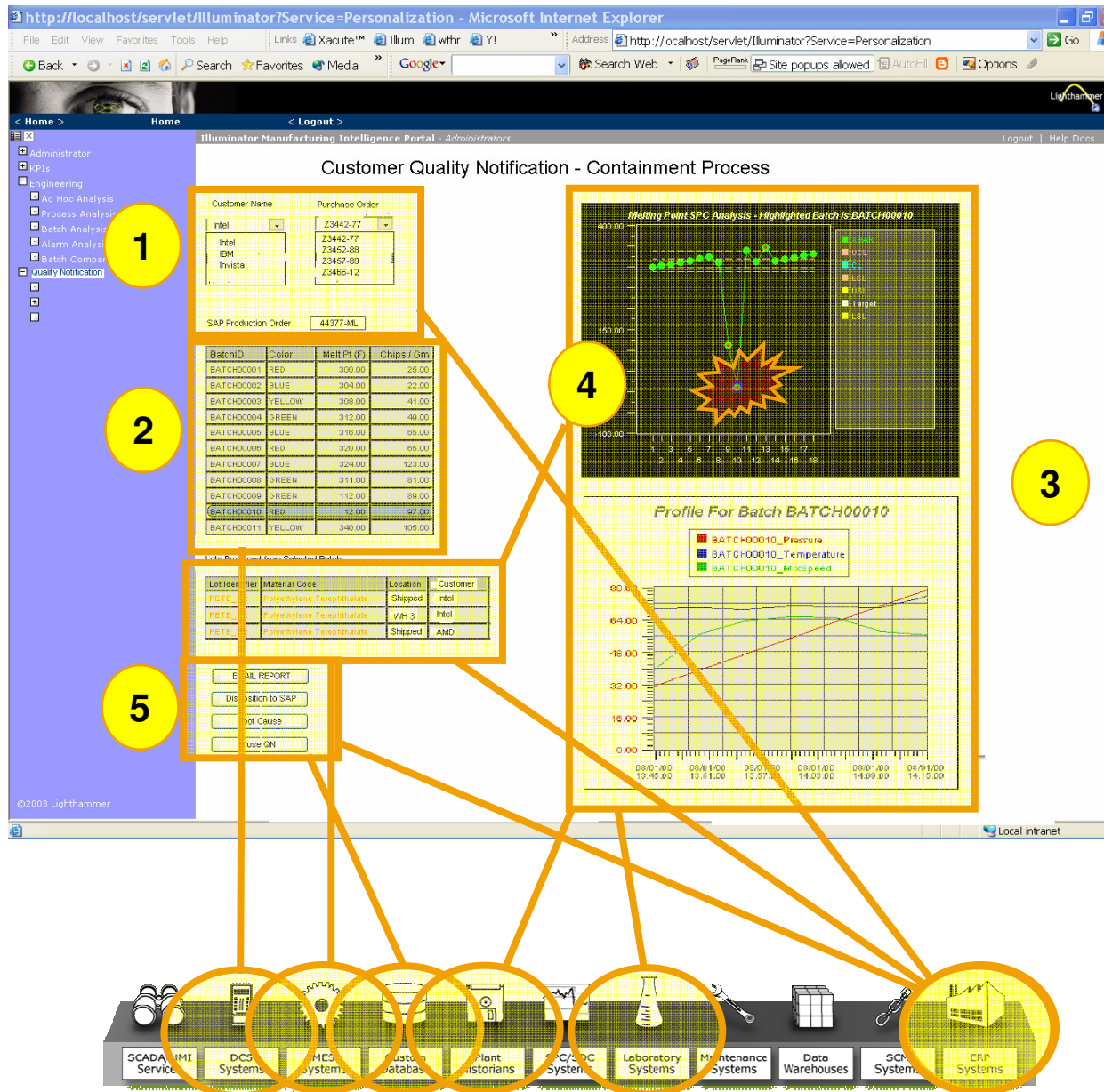
# Integration of the production with SAP xMII



# SAP xMII functionality in comparison with MES systems



# Correlation of Data from Different Sources



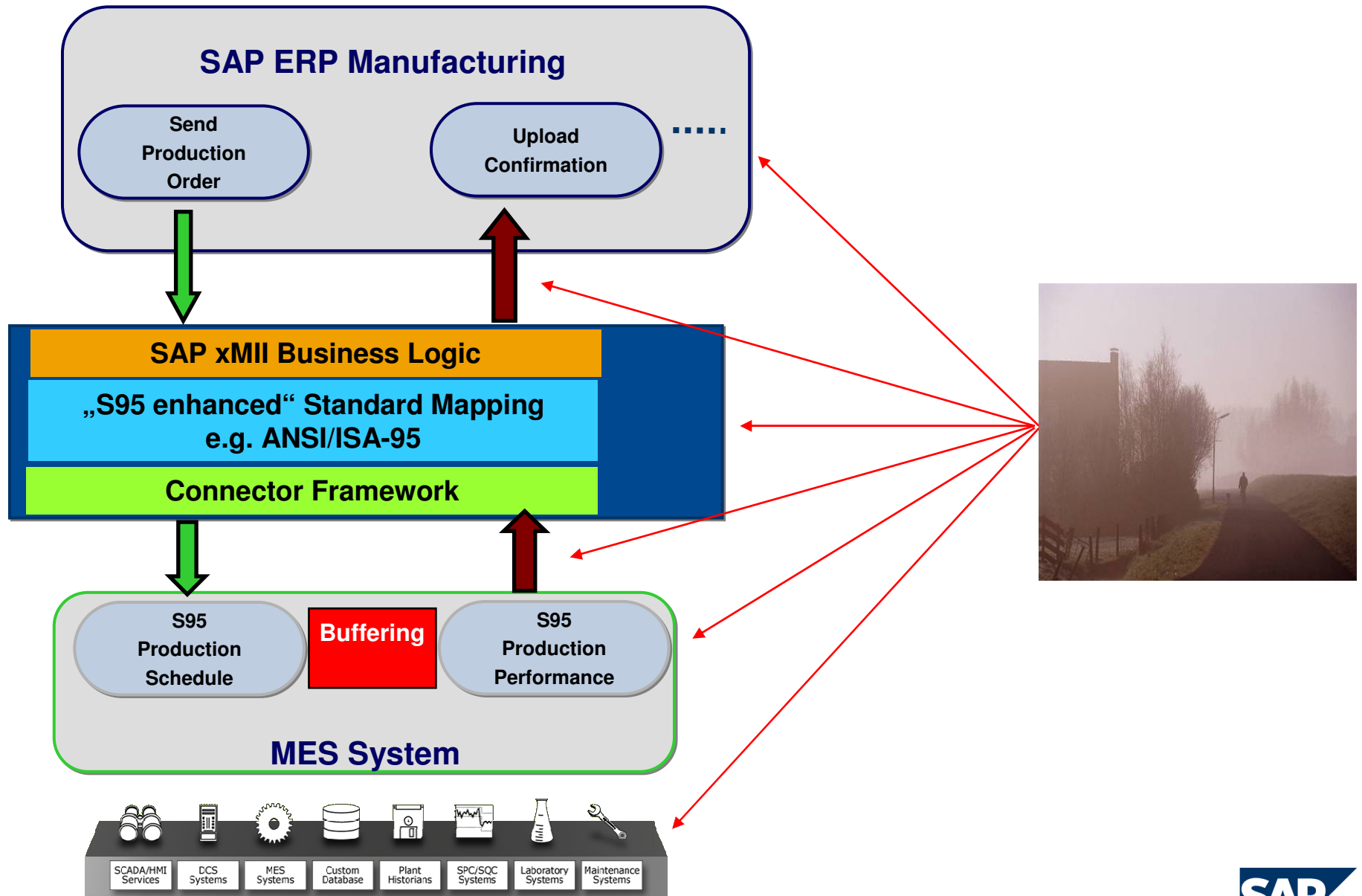
1. Look up customer SO from ERP & return ERP Production Order
2. Find Batch(es) created to satisfy Production Order
3. Get Historian and LIMS data for batches, run xMII Analytics
4. If SPC Alarm it is a Batch production problem – provide aggregate view of LOTS & CUSTOMERS
5. Email report to Product Manager, Disposition to SAP QM, Close record in QN System

# How can SAP help?

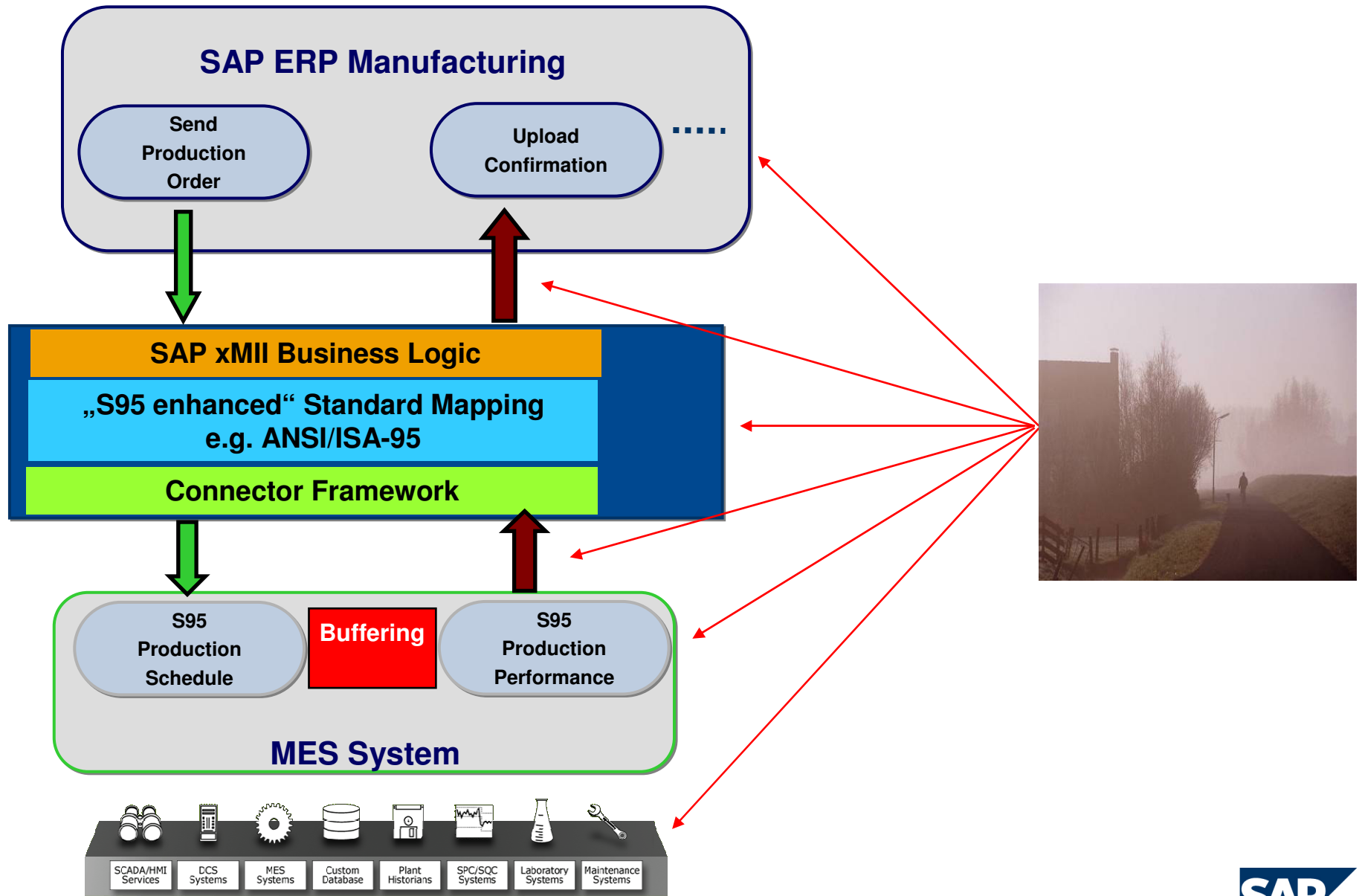
**Interoperability Scenarios – Best Practises**

**Proactive Solution Monitoring**

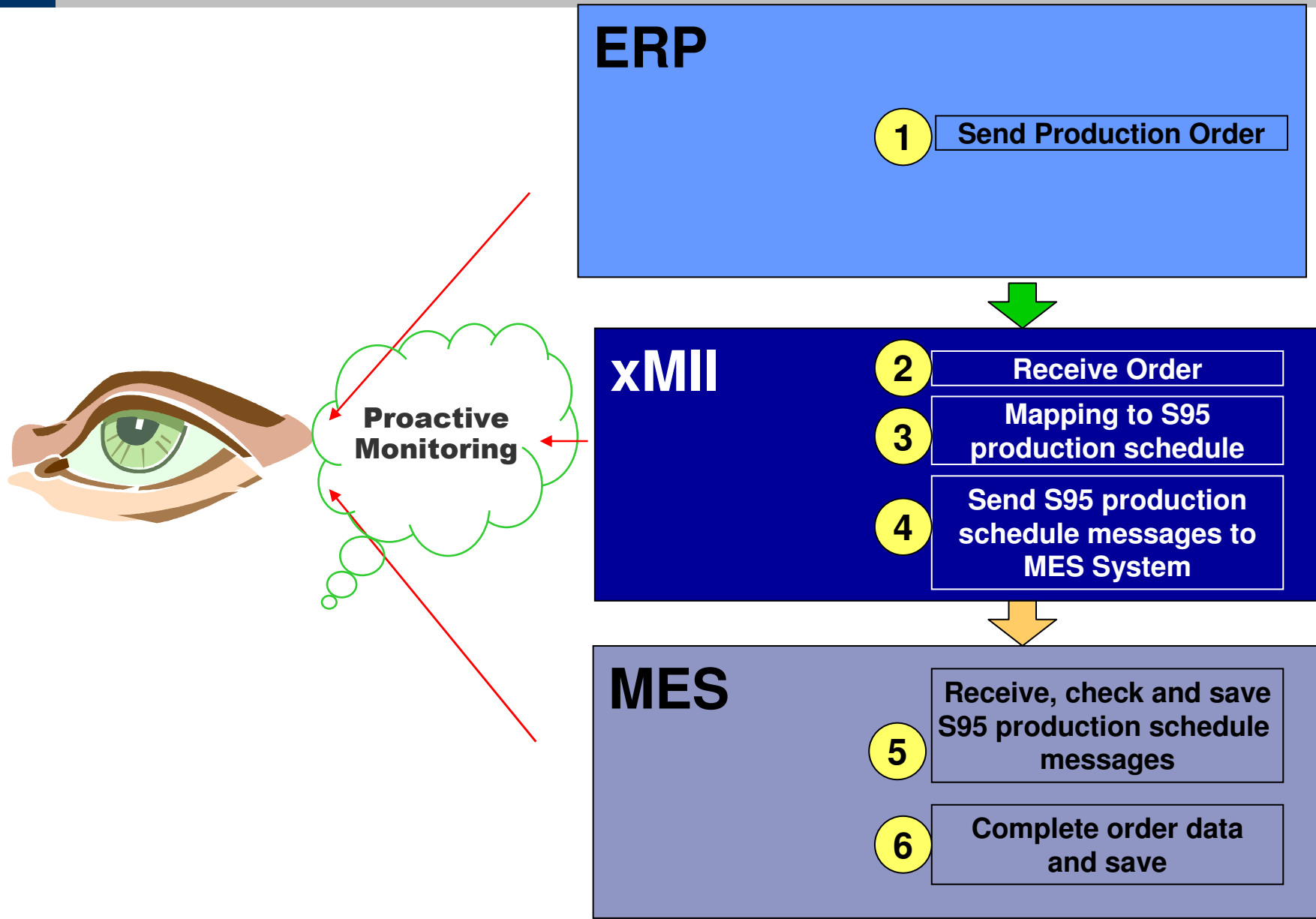
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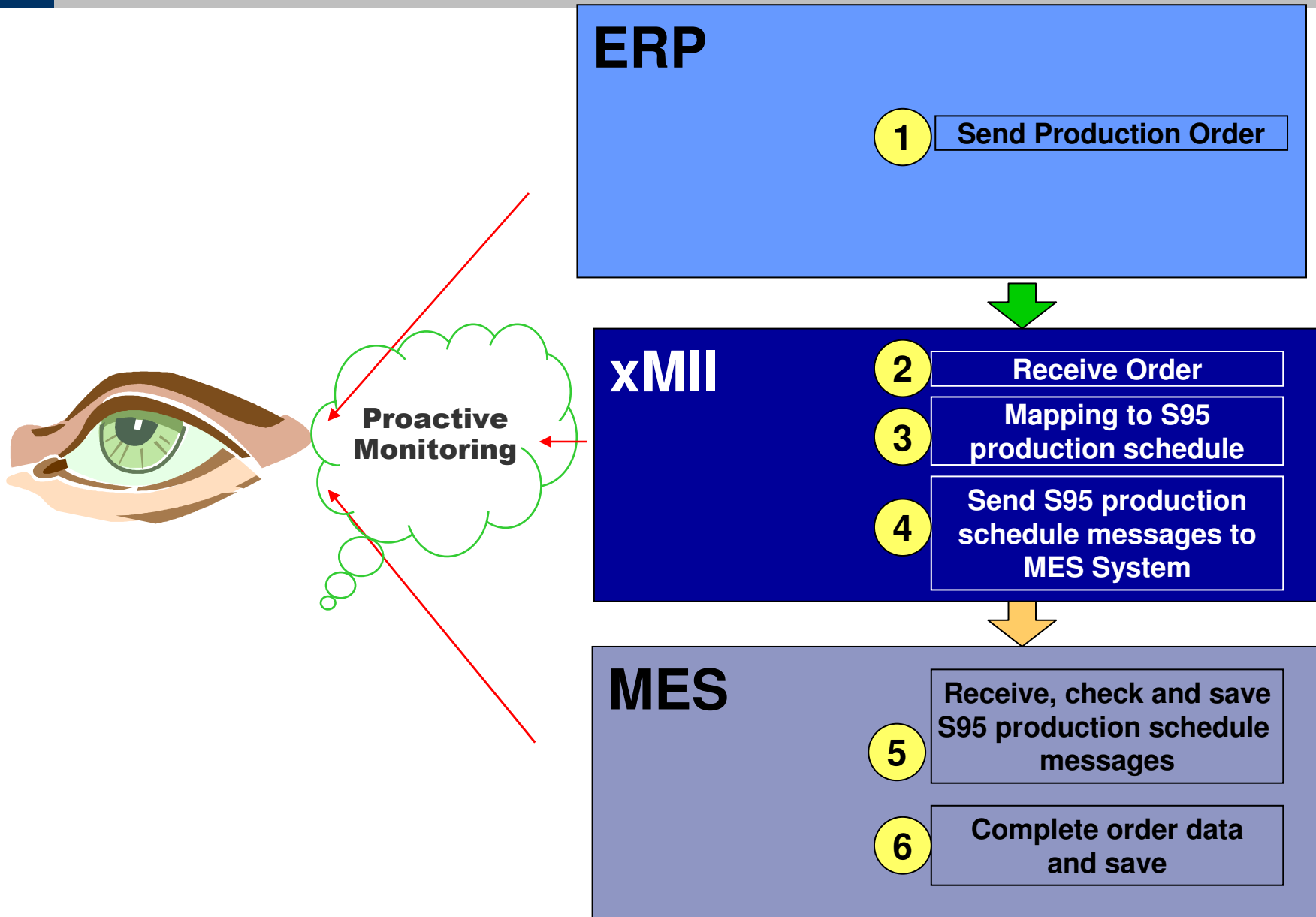


# What are the requirements ?

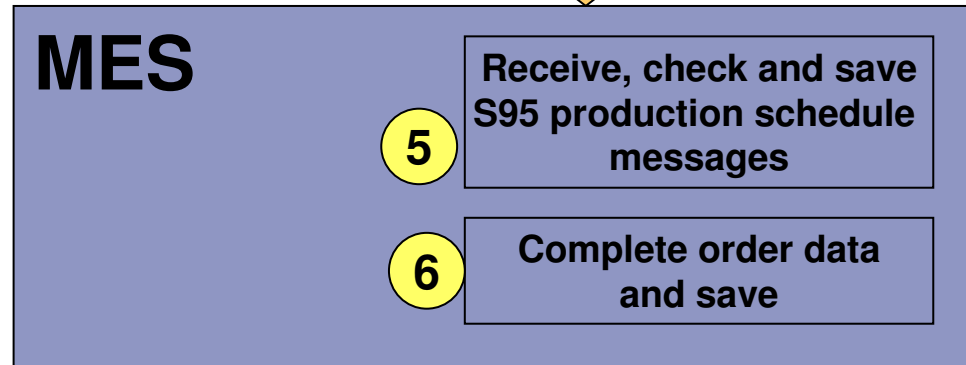
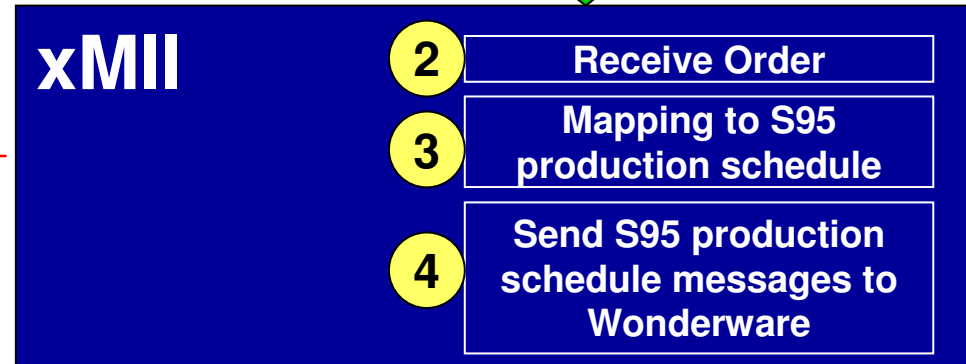
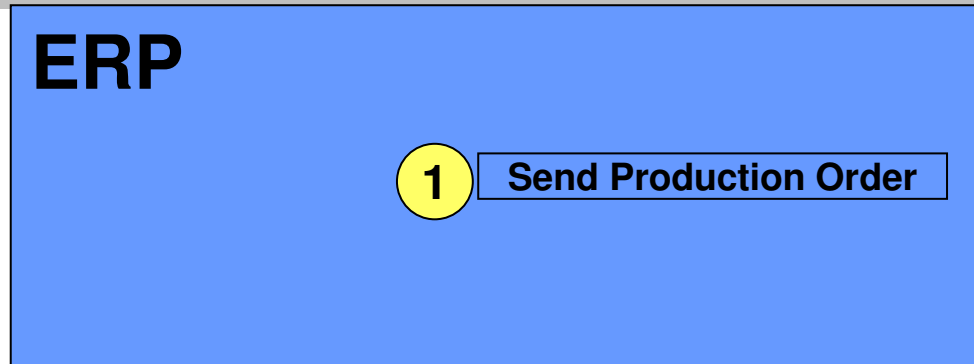
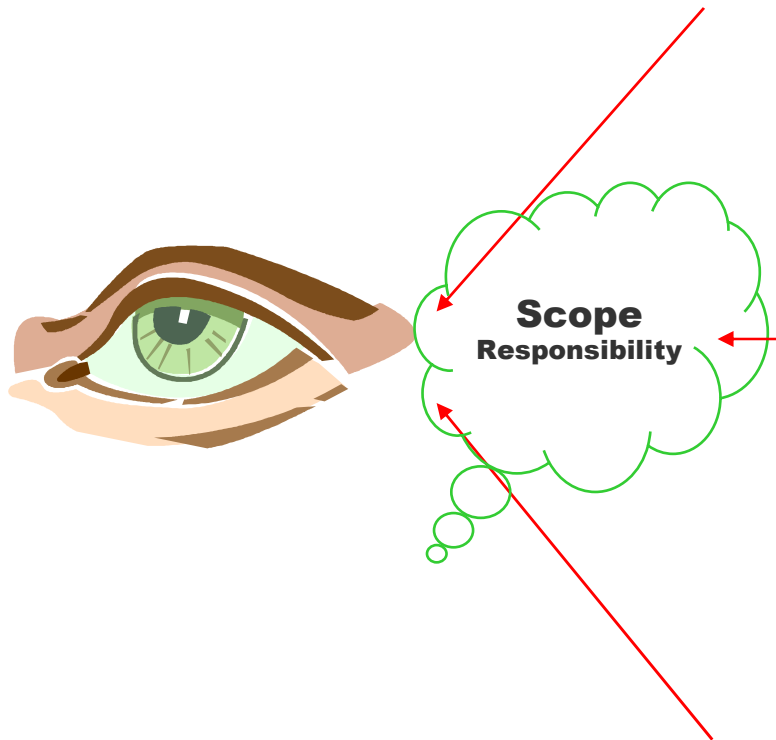




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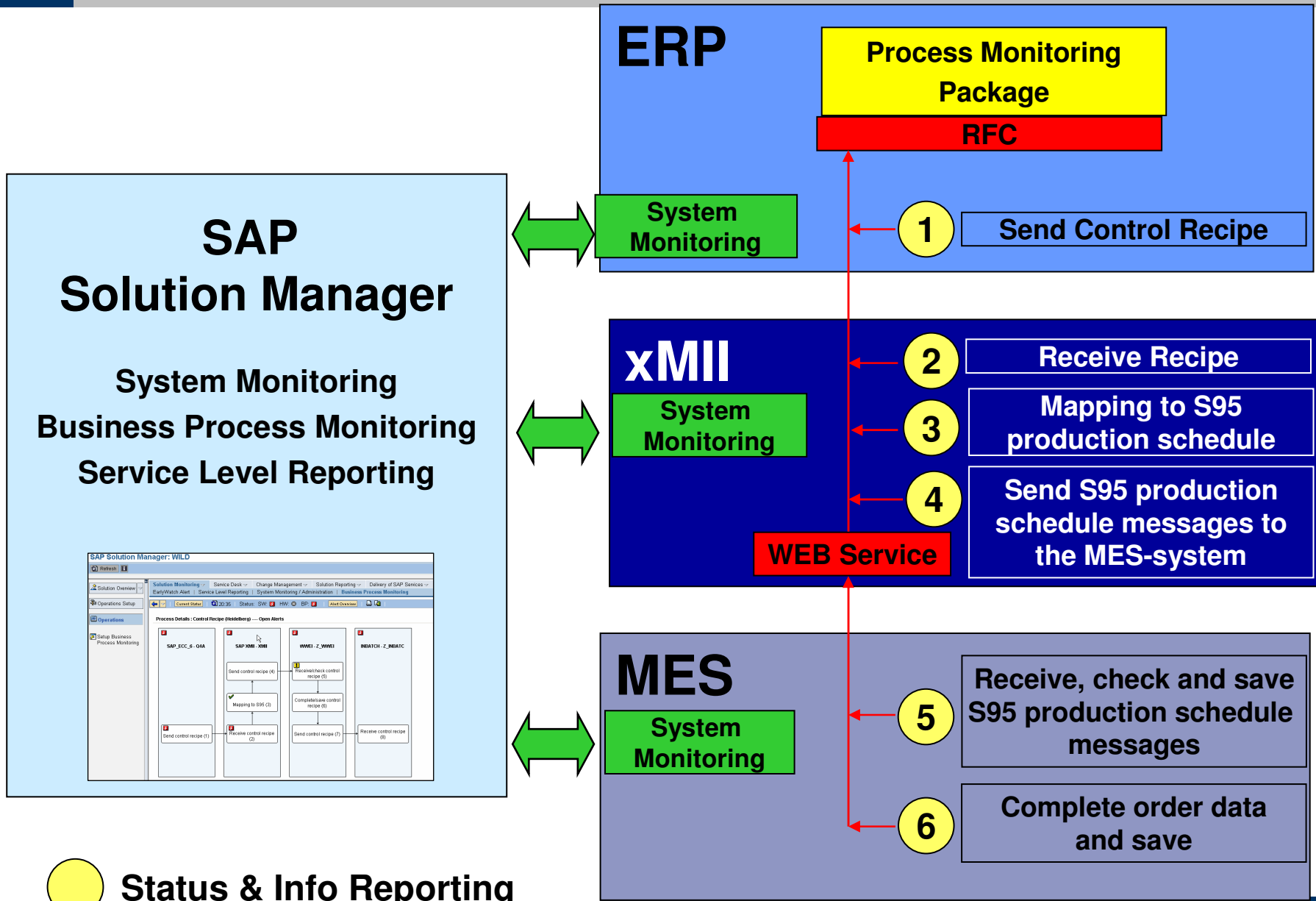


## What are the requirements ?



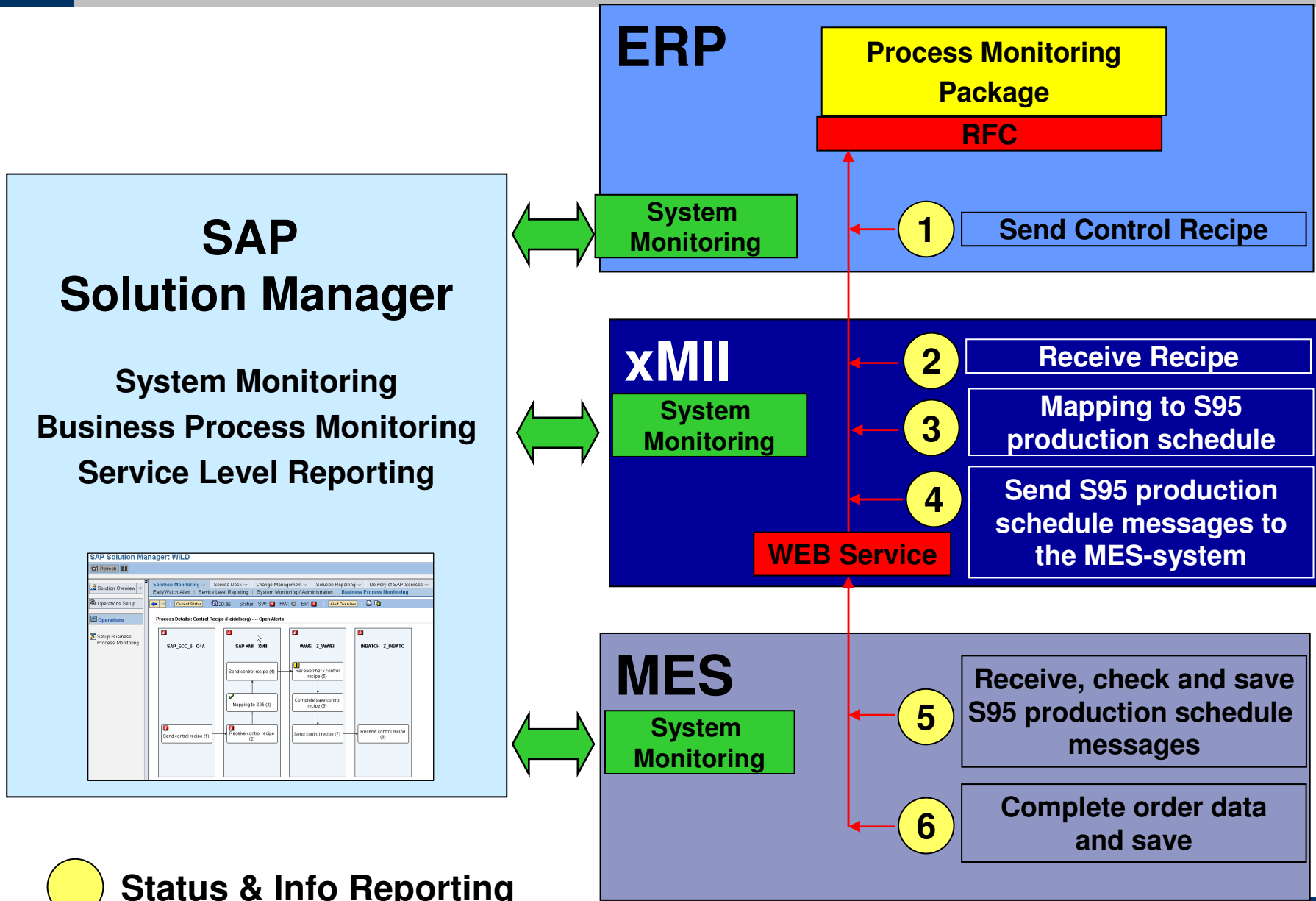
1. **Allow supervision of configurable manufacturing processes** from ERP to Shop floor (or Shop Floor to EP) including message exchange and message processing in the affected systems.
2. **Trigger alerts** for processes which either show errors or show 'hanging' steps. Alerts should be visible in a dashboard.
3. **Allow follow-up action** on individual processes either as drill down or corrective action.
4. **Support high data volumes** of process messages to be usable in shop floor scenarios.
5. Must be **easy** to configure and easy to use .
6. Should run on existing mySAP ERP or on **separate SAP instance**

# Customer Prototype:



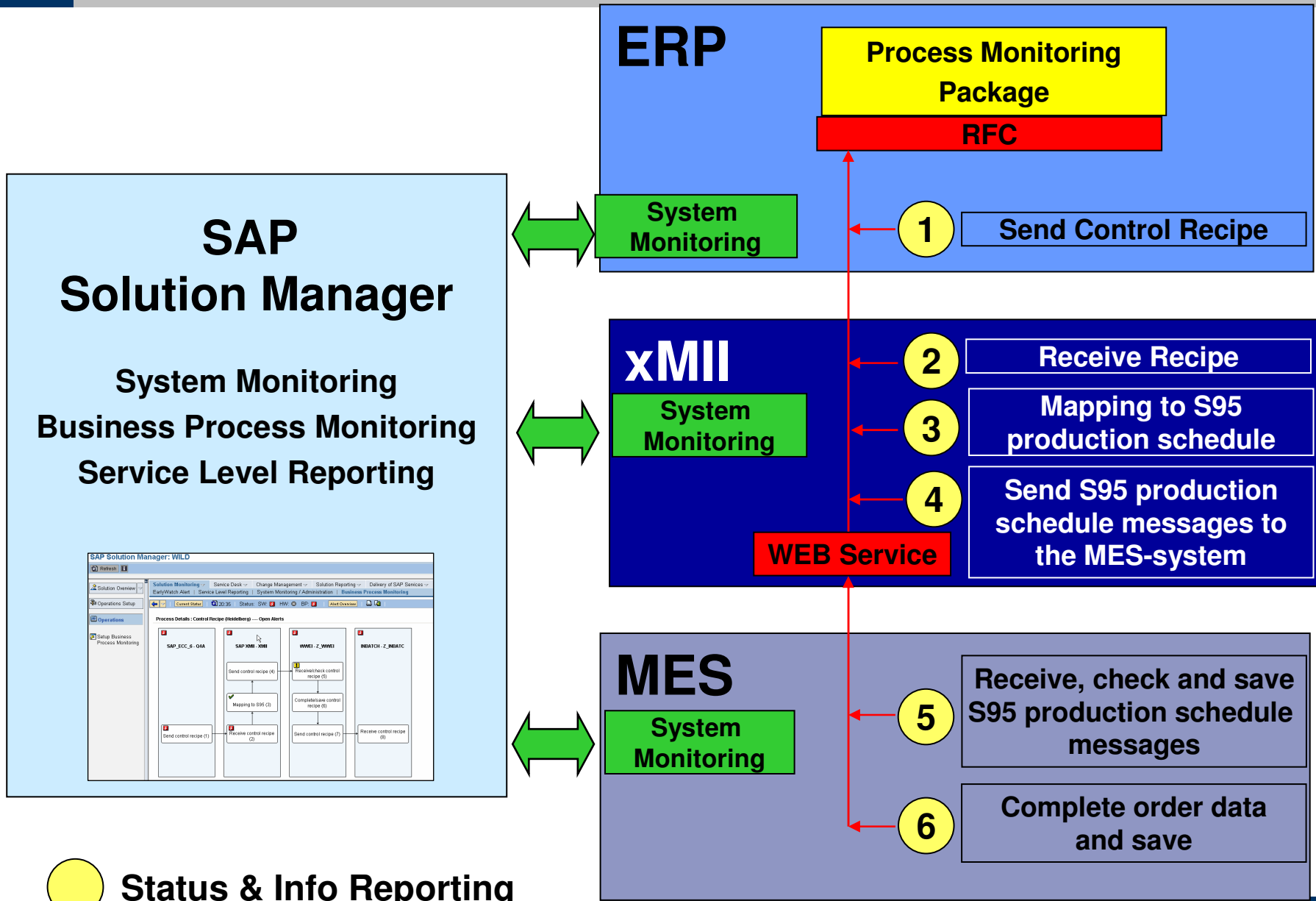
## ● Status & Info Reporting

# Customer Prototype:



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# Customer Prototype:



 **Status & Info Reporting**

# Example Process Definition

## Change View "Process definitions": Overview

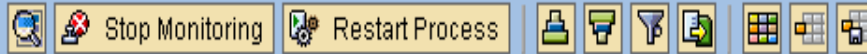


### Process definitions

	Plant	Monitoring Object	Step	System	Status
	1100	PROCESS_ORDER	1	ERP	SENT
	1100	PROCESS_ORDER	2	XMII	RECEIVED
	1100	PROCESS_ORDER	3	XMII	PROCESSED
	1100	PROCESS_ORDER	4	XMII	SENT
	1100	PROCESS_ORDER	5	WWEI1	RECEIVED

# Process Monitoring Cockpit

## Process Monitoring



### Process Monitoring

Plant: 1100  
 Start Date range: Von 15.08.2006 01:39:49 bis 18.08.2006 19:38:33  
 Processes read: 51  
 Processes shown : 51

Process Type	Instance	Start date	Start time	Total time(min)	Compl.	Stop date	Stop time	Stop user	Stop text
Step System	Status	Date	Time	No.	Message text				
Control receipt	100000000000003913	18.08.2006	19:38:33	2	X		00:00:00		
1 Erp system	Sent	18.08.2006	19:38:33	1	Control recipe 100000000000003913 for Process order 000070002780 send				
2 xMII system	Received	18.08.2006	19:39:41	1	Control recipe 100000000000003913 received by xMII				
3 xMII system	Processed	18.08.2006	19:39:50	1	Control recipe 100000000000003913 processed and mapped				
4 xMII system	Sent	18.08.2006	19:39:58	1	Mapped Control recipe 100000000000003913 send to execution system				
5 Wonderware sys.	Received	18.08.2006	19:40:03	1	Control recipe 100000000000003913 received for execution				
Control receipt	100000000000003912	18.08.2006	16:38:38	1	X		00:00:00		
1 Erp system	Sent	18.08.2006	16:38:38	1	Control recipe 100000000000003912 for Process order 000070002779 send				
2 xMII system	Received	18.08.2006	16:39:44	1	Control recipe 100000000000003912 received by xMII				
3 xMII system	Processed	18.08.2006	16:39:48	1	Control recipe 100000000000003912 processed and mapped				
4 xMII system	Sent	18.08.2006	16:39:56	1	Mapped Control recipe 100000000000003912 send to execution system				
5 Wonderware sys.	Received	18.08.2006	16:40:01	1	Control recipe 100000000000003912 received for execution				



# Central Alert Handling

## Alert Dashboard in xMII:

**Alert Dashboard**

**Alert Inbox of Dr. Stephan Boecker**

Refresh Complete Forward Reserve Reject Set to Unread

Category	Description
Monitoring error	Control receipt (100000000000003872) delayed
Monitoring error	Control receipt (100000000000003871) delayed
Monitoring error	Control receipt (100000000000003870) delayed

Row 1 of 3

Short text Long Text Recipient(s) Subsequent activities

Error in Process Control receipt , Instance 100000000000003872 : Process using 5196 minutes

**Alert Dashboard**

**Alert Inbox of Dr. Stephan Boecker**

Refresh Complete Forward Reserve Reject Set to Unread

Category	Description
Monitoring error	Control receipt (100000000000003872) delayed
Monitoring error	Control receipt (100000000000003871) delayed
Monitoring error	Control receipt (100000000000003870) delayed

Row 1 of 3

Short text Long Text Recipient(s) Subsequent activities

[Check details in Process Monitor](#)

Row 1 of 1

# **Agenda : SAP Manufacturing and Interoperability**

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**How can SAP help ?**

**What are the benefits?**

Cost Reduction per minimizing the number of interfaces, layers and data maintenance.

Standardize the interfaces based on ANSI/ISA-95 B2MML messages.

Improved usability and proactive solution monitoring.

Visualization and reporting of production relevant data from all involved levels from the shop floor to my SAP Business Suite.

## Summary

**Interoperability** is the ability of production applications and manufacturing business applications to share information and exchange services with each other based on standards.

**Depending on the required scenarios and the size of the company** SAP XMII alone or complementary used together with SAP XI can help to improve the interoperability.

A proactive solution monitoring can help to monitor the systems and to control the route of the message transport.

## Example?

### Example ANSI/ISA-95 Production Schedule

# Create Control Recipe

Process order | Edit | Goto | Header | System | Help

Process order: Create control recipe (Ctrl+F9) | Type: PI01

Material: AI-1000 | Fruit drink 0.1 l concentrate/liter | Plant: 1100

Status: REL BCRQ MACM SETC

General data | Assignment | Goods receipt | Control data | Dates/qtys | Mast. data | Administr.

**Quantities**

Total Qty: 100 L | ExpectYieldVar: 0

Delivered: 0 | Prop.quantity: 10,000 LI1

**Dates**

	Basic dates		Scheduled		Confirmed	
Finish	18.09.2006	11:27:22	15.09.2006	11:27:22		
Start	13.09.2006	10:57:22	15.09.2006	10:57:22		00:00:00
Release			08.09.2006		13.09.2006	

**Scheduling**

Type: Current date

Reduction: No reduction carried out

Note: No scheduling note

Priority:

**Floats**

Scheduling margin key: 001

Float before prod.: 2 Workdays

Float after product.: 1 Workdays

Release period: 5 Workdays

Release carried out

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# Material List

Process Order Edit Goto Material System Help

Process order: \*000000000001 Type: PI01  
 Material: AI-1000 Fruit drink 0.1 l concentrate/liter Plant: 1100

Material List

Item	Material	Material Description	Lo	Requirement quantity	U	Ite	R	Stor	Batch	Co-	Bac	Bul	Ph	Ite	B	Fi	Ac	Plant	Oper
0010	AI-1200	Concentrate type orange 334	<input checked="" type="checkbox"/>	80,000	K11	L	X	0001	0000000417	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>		1100	002E
0020	CW-100	Water	<input checked="" type="checkbox"/>	20	L	N	X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1100	002E
0030							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0040							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0050							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0060							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0070							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0080							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0090							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0100							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0110							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0120							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0130							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0140							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0150							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0160							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0170							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0180							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0190							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0200							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
0210							X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Entry 1 of 2

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# Operations

Process Order Edit Goto Operation System Help

Process Order: %000000000001 Type: PI01  
 Material: AI-1000 Fruit drink 0.1 l concentrate/liter Plant: 1100

Material Capacity WMM material staging Operations Materials

Op	Ph	Supr	Ct	Resource	Cont	Standard	Short text	Lo	System Status	User Status	Latest start	Latest st	Latest finis	La
0010				X1	PI01		Bulk Production	CR	CRCR_REL		15.09.2006	10:57:22	15.09.2006	11
0020	<input checked="" type="checkbox"/>	0010	XM	X1	PI01		Bulk Production	CR	CRCR_REL		15.09.2006	10:57:22	15.09.2006	11
0030				X2	PI01		Filling	CR	CRCR_REL		15.09.2006	10:57:22	15.09.2006	11
0040	<input checked="" type="checkbox"/>	0030	XM	X2	PI01		Filling	CR	CRCR_REL		15.09.2006	10:57:22	15.09.2006	11
0050	<input type="checkbox"/>											00:00:00		00
0060	<input type="checkbox"/>											00:00:00		00
0070	<input type="checkbox"/>											00:00:00		00
0080	<input type="checkbox"/>											00:00:00		00
0090	<input type="checkbox"/>											00:00:00		00
0100	<input type="checkbox"/>											00:00:00		00
0110	<input type="checkbox"/>											00:00:00		00
0120	<input type="checkbox"/>											00:00:00		00
0130	<input type="checkbox"/>											00:00:00		00
0140	<input type="checkbox"/>											00:00:00		00
0150	<input type="checkbox"/>											00:00:00		00
0160	<input type="checkbox"/>											00:00:00		00
0170	<input type="checkbox"/>											00:00:00		00
0180	<input type="checkbox"/>											00:00:00		00
0190	<input type="checkbox"/>											00:00:00		00
0200	<input type="checkbox"/>											00:00:00		00
0210	<input type="checkbox"/>											00:00:00		00

Process inst. Entry 1 of 4

COR1 us4299 INS



# Process Instructions

Process Order Edit Goto Operation Process instructions System Help

SAP

## Create Process Order: Process Instruction Overview

Operations Materials

Process order: %000000000001 Type: PI01  
 Material: AI-1000 Fruit drink 0.1 l concentrate/liter Plant: 1100  
 SupOperatn: 0010 Bulk Production  
 Operation: 0020  Phase Bulk Production  
 CtrlRec.Destin.: XM XMII-Connection 1087

Numbe	Proc.instr. category	Object Ty	Description	Change Num
0000	AORD_1	1	Order data (PCS example)	
0000	AMAT_1	1	Material assignment (PCS example)	
0000	AMAT_1	1	Material assignment (PCS example)	
0000	AMAT_1	1	Material assignment (PCS example)	
0000	ACRST_I	3	Change ctrl. recipe status (PCS example)	
0000	APHST_I	3	Change phase status (PCS example)	
0000	APROD_1	3	Goods receipt (PCS interface example)	
0000	ACONS_1	3	Goods issue (PCS interface example)	
0000	APHASE_1	1	Phase data (PCS example)	

Entry 1 of 9

# Process Instructions

Process Order Edit Goto System Help SAP

**Create Process Order: Process Instruction**

Process order: %000000000001 Type: PI01  
 Material: AI-1000 Fruit drink 0.1 l concentrate/liter Plant: 1100  
 SupOperatn: 0010 Bulk Production  
 Operation: 0020  Phase Bulk Production  
 CtrlRec.Destin.: XM XMII-Connection 1087  
 PI Number: 0000 Type: 1 Cat.: AMAT\_1 Material assignment (PCS example)

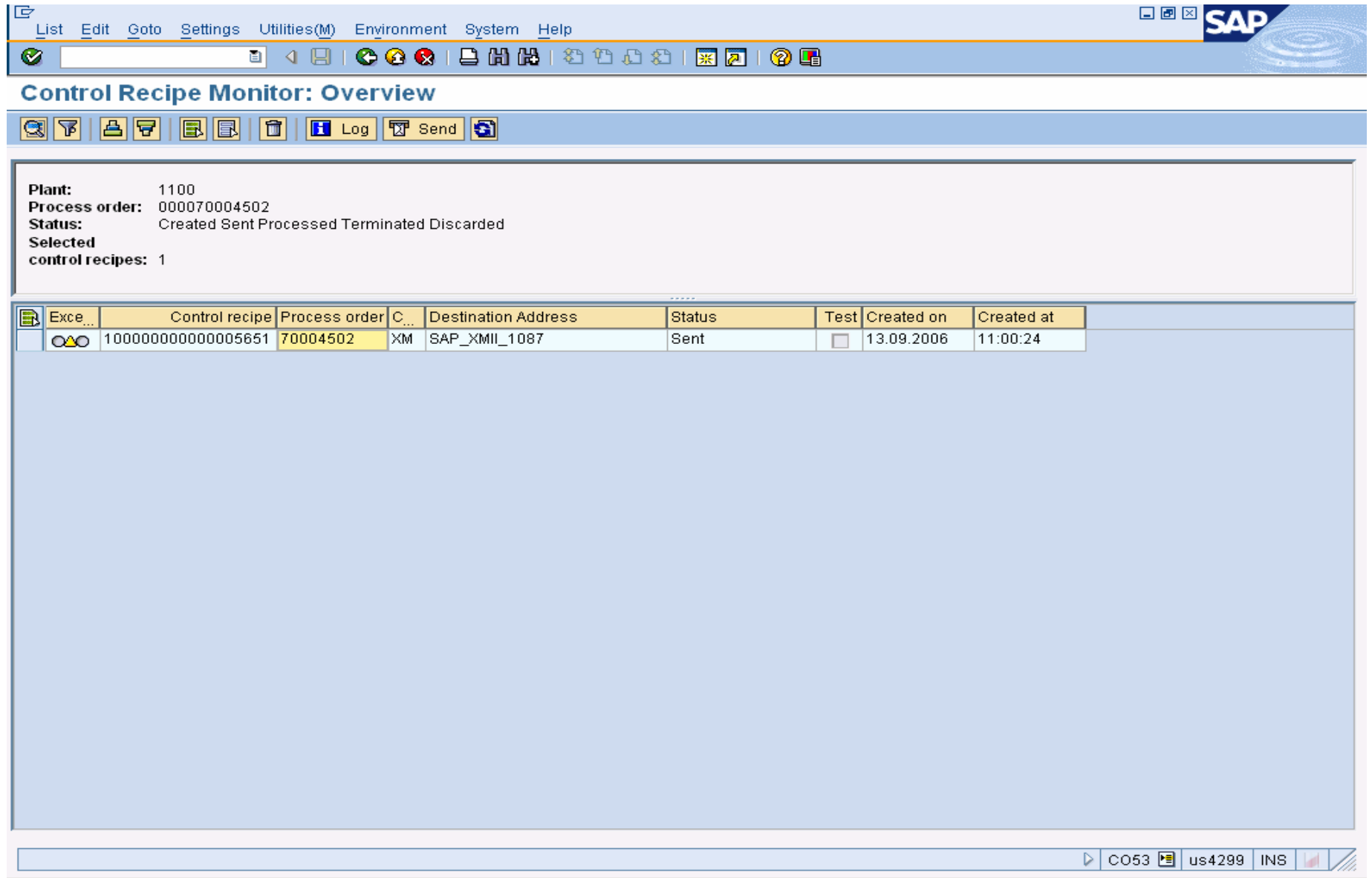
**PI Characteristics**

PI Char	Characteristic Name	Long t	Au	Val.as	Characteristic Value	Change Num
0010	PPPI_MATERIAL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AI-1000	
0020	PPPI_MATERIAL_ITEM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
0030	PPPI_MATERIAL_SHORT_TEXT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fruit drink 0.1 l concentrate/	
0040	PPPI_OPERATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
0050	PPPI_PHASE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
0060	PPPI_MATERIAL_QUANTITY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	100,000	
0070	PPPI_UNIT_OF_MEASURE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	l	
0080	PPPI_STORAGE_LOCATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0001	
0090	PPPI_BATCH	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
0100	PPPI_RESERVATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0000034646	
0110	PPPI_RESERVATION_ITEM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0000	
0120	PPPI_MATERIAL_CO_PRODUCT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Values Assign InitValue Entry 1 of 12

COR1 us4299 INS

# Control Recipe Monitor



The screenshot shows the SAP Control Recipe Monitor Overview interface. At the top, there is a menu bar with options: List, Edit, Goto, Settings, Utilities(M), Environment, System, and Help. Below the menu is a toolbar with various icons for navigation and actions. The main content area is titled "Control Recipe Monitor: Overview" and contains a summary of the selected control recipe. The summary includes the following information:

- Plant:** 1100
- Process order:** 000070004502
- Status:** Created Sent Processed Terminated Discarded
- Selected control recipes:** 1

Below the summary is a table with the following columns: Exce..., Control recipe, Process order, C..., Destination Address, Status, Test, Created on, and Created at. The table contains one row of data:

Exce...	Control recipe	Process order	C...	Destination Address	Status	Test	Created on	Created at
	100000000000005651	70004502	XM	SAP_XMII_1087	Sent	<input type="checkbox"/>	13.09.2006	11:00:24

At the bottom of the screen, there is a status bar showing the current transaction code (CO53), user (us4299), and other system information.

# Process Monitoring Cockpit

List Edit Goto System Help

Process Monitoring Cockpit

Stop Process Restart Process Insert Comment Refresh List

Process Monitoring

Plant: 1100  
 Start Date range: Von 13.09.2006 11:12:16 bis 13.09.2006 11:12:16  
 Processes read: 1  
 Processes shown: 1

Process Type	Instance	Start date	Start time	Total time(min)	Compl.	Stop date	Stop time	Stop user	Comment
Step System	Status	Date	Time	No.	Message text				
Control receipt	100000000000005671	13.09.2006	11:12:16	3	X		00:00:00		
1 Erp system	Sent	13.09.2006	11:12:16	1	Control recipe 100000000000005671 for Process order 000070004512 send				
2 xMII system	Received	13.09.2006	11:15:03	1	Control recipe 100000000000005671 received by xMII				
3 xMII system	Processed	13.09.2006	11:15:05	1	Control recipe 100000000000005671 processd by xMII				
4 xMII system	Sent	13.09.2006	11:15:07	1	Control recipe 100000000000005671 sent to execution by xMII				
5 Wonderware sys.	Received	13.09.2006	11:15:09	1	Control recipe 100000000000005671 received by Wonderware				

SE38 us4299 INS



# Process Monitoring Cockpit – Drill Down in ERP

Process Order Edit Goto Header System Help

SAP

## Change Process Order: Header - General Data

Material Material Capacity WMM material staging Operations Materials

Process order: 70004512 Type: PI01  
 Material: AI-1000 Fruit drink 0.1 l concentrate/liter Plant: 1100  
 Status: REL CRCR PRC BCRQ MACM PIGN SETC

General data Assignment Goods recpt Control data Dates/qty's Mast. data Administr.

**Quantities**

Total Qty: 3 L ExpectYieldVar: 0  
 Prop.quantity: 0,300 LI1  
 Delivered: 0

**Dates**

	Basic dates		Scheduled		Confirmed
Finish	18.09.2006	11:42:14	15.09.2006	11:42:14	
Start	13.09.2006	11:12:14	15.09.2006	11:12:14	00:00:00
Release			08.09.2006		13.09.2006

**Scheduling**

Type: Current date  
 Reduction: No reduction carried out  
 Note: No scheduling note  
 Priority:

**Floats**

Scheduling margin key: 001  
 Float before prod.: 2 Workdays  
 Float after product.: 1 Workdays  
 Release period: 5 Workdays

COR2 us4299 INS



# Central Alert Handling

## Alert Dashboard in xMII:

**Alert Dashboard**

**Alert Inbox of Dr. Stephan Boecker**

Refresh Complete Forward Reserve Reject Set to Unread

Category	Description
Monitoring error	Control receipt (100000000000003872) delayed
Monitoring error	Control receipt (100000000000003871) delayed
Monitoring error	Control receipt (100000000000003870) delayed

Row 1 of 3

Short text Long Text Recipient(s) Subsequent activities

Error in Process Control receipt , Instance 100000000000003872 : Process using 5196 minutes

**Alert Dashboard**

**Alert Inbox of Dr. Stephan Boecker**

Refresh Complete Forward Reserve Reject Set to Unread

Category	Description
Monitoring error	Control receipt (100000000000003872) delayed
Monitoring error	Control receipt (100000000000003871) delayed
Monitoring error	Control receipt (100000000000003870) delayed

Row 1 of 3

Short text Long Text Recipient(s) **Subsequent activities**

[Check details in Process Monitor](#)

Row 1 of 1

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