



Solution Manager Overview

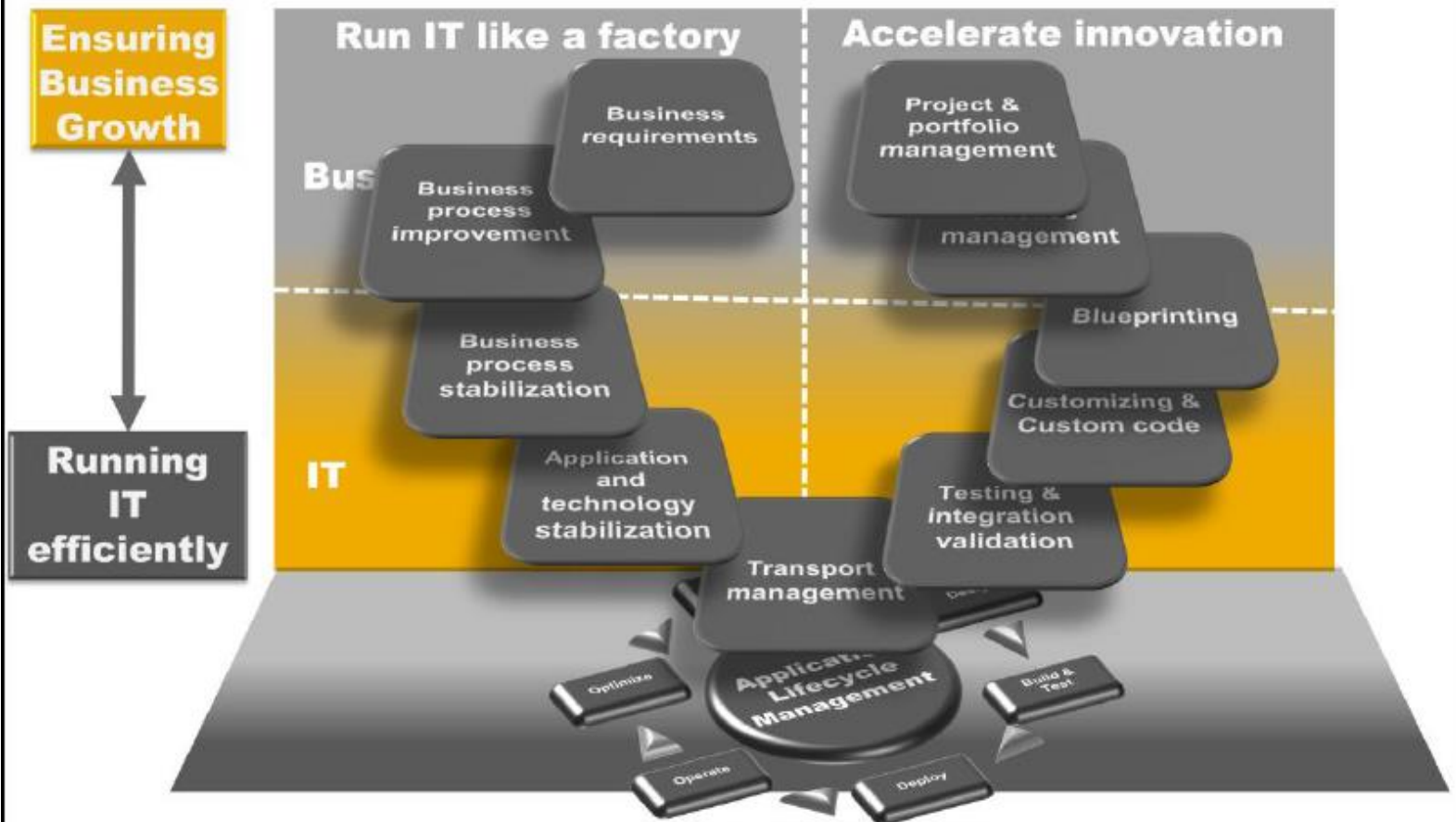
Agenda

- SAP Solution Manger Services & Solutions
- SAP Solution Manger Release Strategies & Service Enhancements
- SAP Solution Manager Implementations
- SAP Solution Manager Basic configuration run through
- Exercise & Break Out Session

Why do we need Solution Manager?

Setting the Stage for Business Growth

The Steps to Reach Your Targets



SAP Solution Manager Release Strategy Overview

New product versions are released every 5-7 years.

Major Release

Product Versions	Release to customer	End of maintenance
SAP Solution Manager 7.0	16.12.2005	31.12.2016
SAP Solution Manager 7.1	16.05.2011	31.12.2017

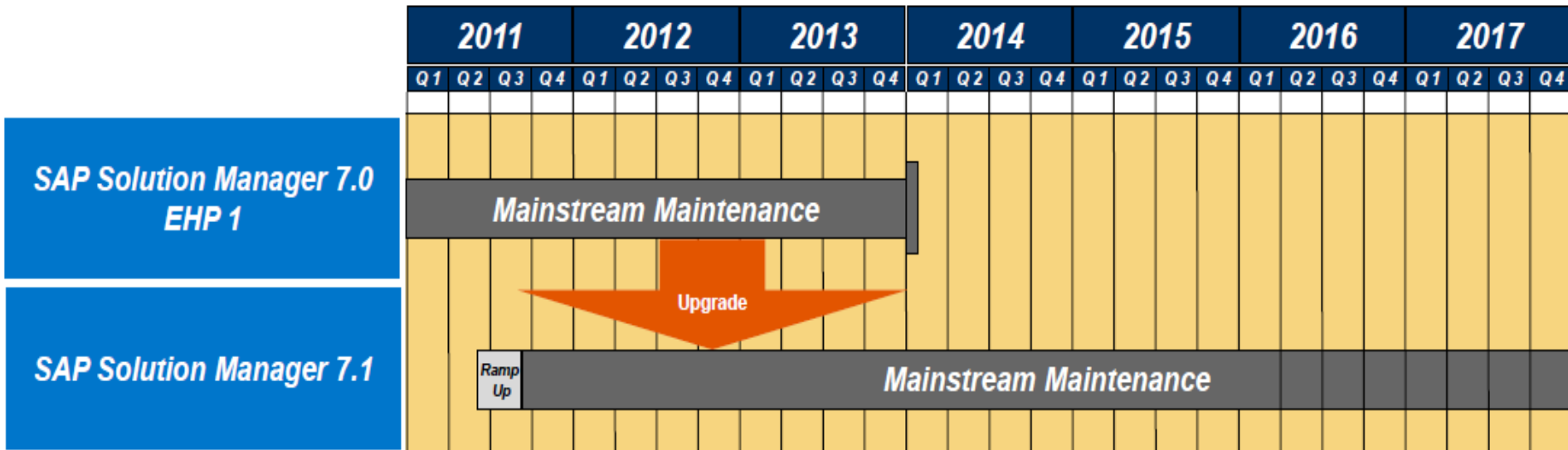
Enhancement packages are released 2-3 years after the corresponding product version

Minor Release

Enhancement Package	Release to customer	End of maintenance
SAP Enhancement Package 1 for SAP Solution Manager 7.0	15.12.2008	31.12.2016

SAP Solution Manager Upgrade Strategy Overview

Upgrade from SAP Solution Manager 7.0 to 7.1 today
to take advantage of new developments



SAP Solution Manager 7.1 will be supported for over six years!

Obstructions in Solution Manager 7.0

Solution-wide Usage

Impediments of SAP Solution Manager 7.0

“7.0 doesn’t help me to manage my entire solution. If only SAP Solution Manager were easy to extend to all my IT.”



Situation as is

Mixed user acceptance

- SAP look and feel
- Hardly intuitive to non-SAP savvy users

Limited Capabilities beyond SAP

- Very SAP-centric

Costs

- Other tools already purchased
- Must leverage existing investments into licenses, hardware, training etc.

Result

SAP Solution Manager from SAP for SAP

Used by SAP teams, but not beyond

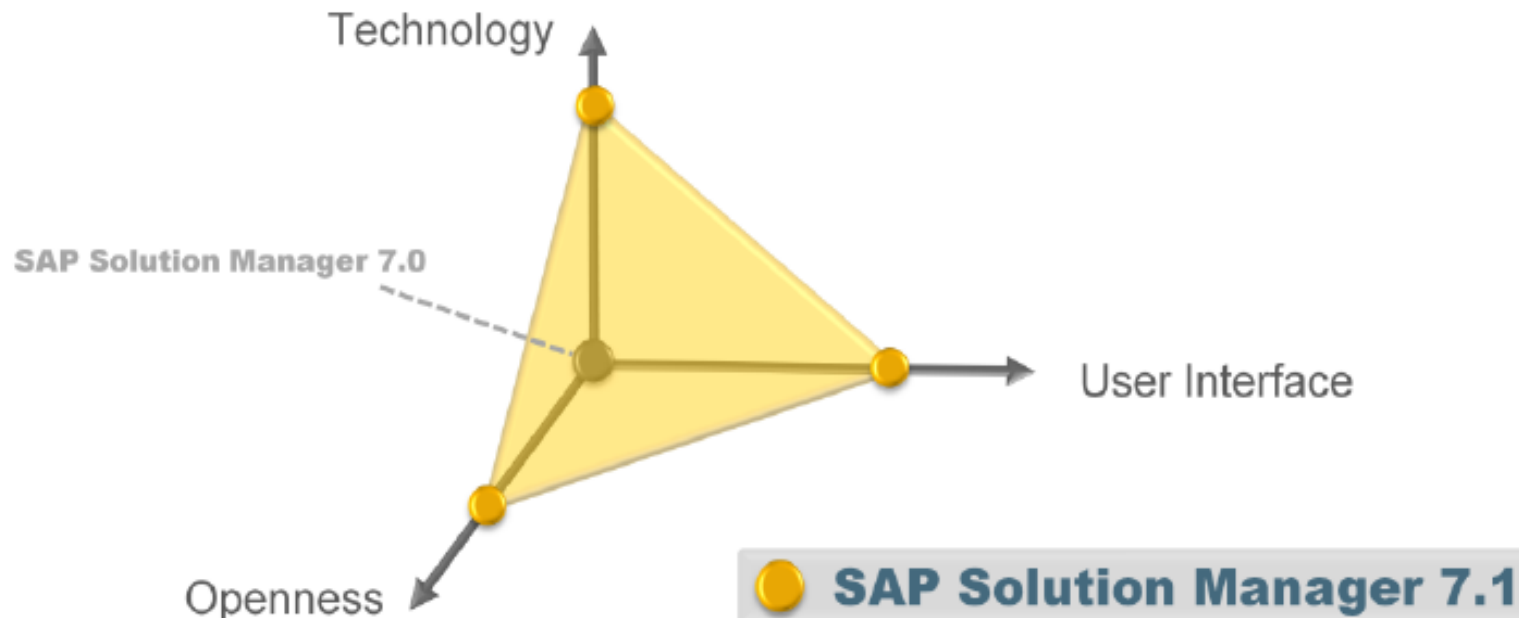
Improvements in SAP Solution Manager 7.1

Three Dimensions

SAP focused on user acceptance and protection of customers' investments in e.g. training, now providing an overhauled user interface as a result

SAP focused on capabilities such as permanent and proactive monitoring, coming up with a whole new Monitoring and Alerting Infrastructure for the whole solution

SAP focused on leveraging investments, creating more openness, with e.g. integration of third party products, like IBM Rational for Test Management.



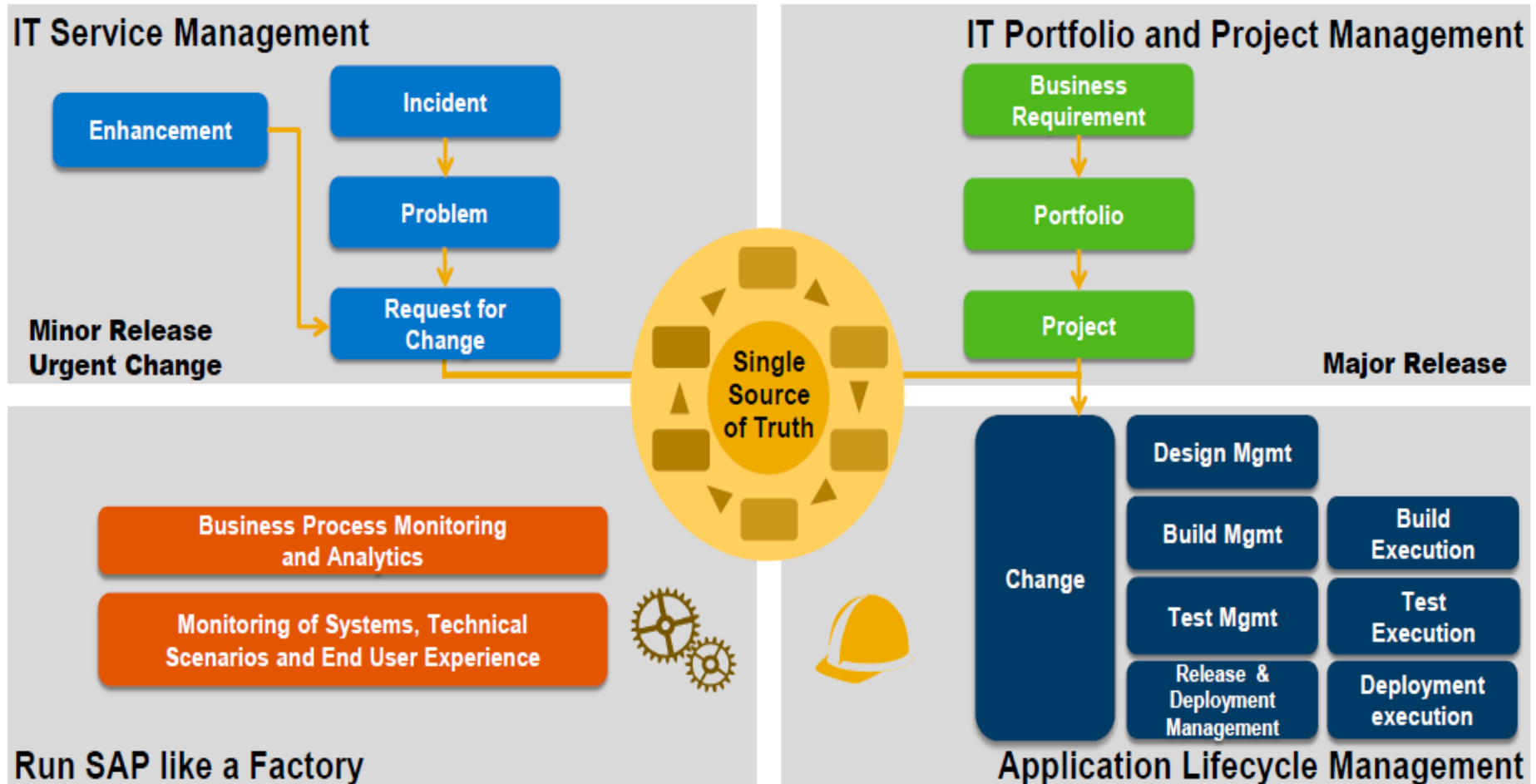
SAP Solution Manager 7.1 is a comprehensive IT management solution

...providing all required technology, core processes and functionality, and optimally integrated with SAP

- E2E Monitoring and Alerting
- CTS+
- Analytics
- Incident Management
- Change Management
- Problem Management
- Technical Operations
- Application Operations
- Implementation
- Application Lifecycle Management & “Run SAP like a factory” Solution Operations
- IT Service Management
- IT Infrastructure Management
- Business Strategy and Business Operations
- Management Dashboards
-

Improvements in SAP Solution Manager 7.1

Integrated IT Management for the New Innovations





BREAK

SAP Solution Manager 7.1 Enhancements

- ✓ **Upgrade Management**
 - Integration of Upgrade Dependency Analyzer

- ✓ **Custom Code Management**
 - Lifecycle Management for custom code

- ✓ **Maintenance Management**
 - Maintenance Optimizer for complicated landscapes
 - System Recommendations

- ✓ **Business Process Operations**
 - BPO Dashboards with Alert Inbox
 - Business Process Analytics
 - Cross-database comparison
 - Job Control and Schedule Management

- ✓ **Technical Operations**
 - New Technical Monitoring and Alerting infrastructure
 - End User Experience Monitoring
 - Technical Administration and Analytics
 - Extended Root Cause Analysis scope
 - Data Volume Management work center

- ✓ **Application Incident Management**
 - ITIL IT Service Management aligned
 - Configurable web-client user interface
 - Additional Service document functions

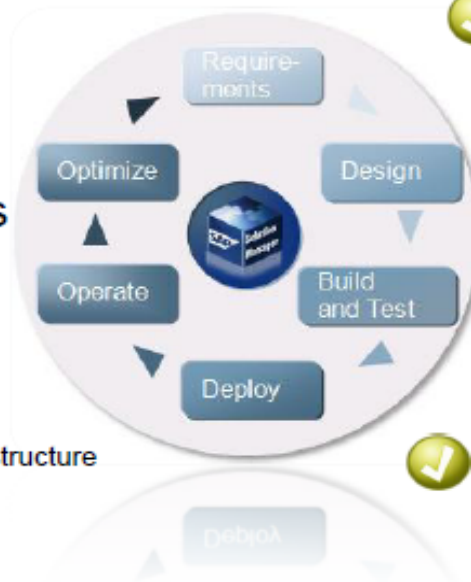
- ✓ **Solution Documentation**
 - Extended of Solution Documentation Assistant analysis scope
 - Reverse Business Process Documentation
 - Upload interface to build an initial Business Blueprint structure

- ✓ **Solution Implementation**
 - New Business Blueprint modeling capability
 - End-to-End Business Function implementation process
 - Project and Solution Reporting Enhancements

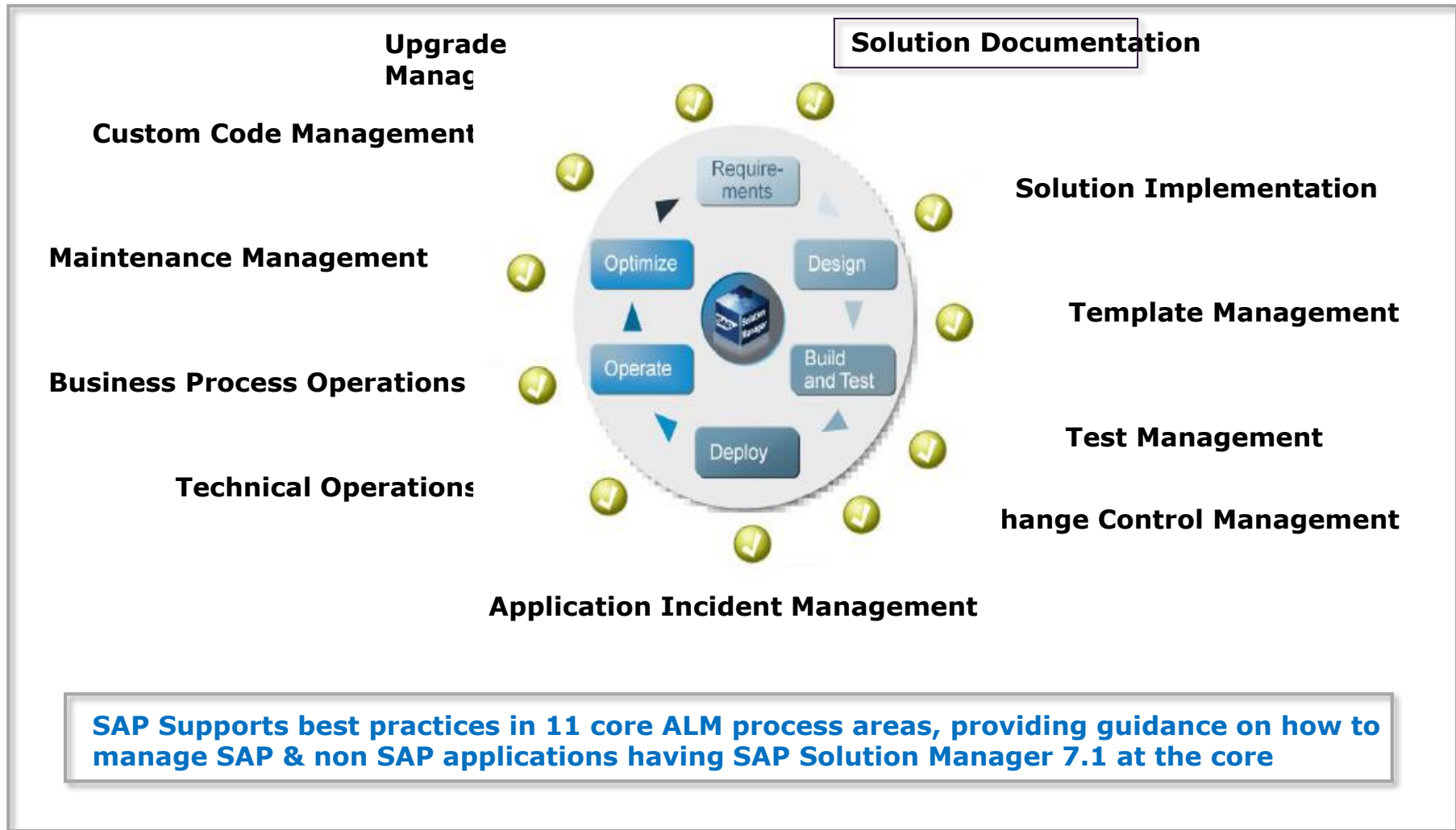
- ✓ **Template Management**
 - Comparison & Adjustment for template
 - Roll-in changes from projects

- ✓ **Test Management**
 - More efficient test phase management
 - Test Automation Framework with 3rd party tools
 - Test Scope Identification & Optimization with BPCA

- ✓ **Change Control Management**
 - Quality Gate Management to control changes
 - Change Request Management process flexibility
 - New Change and Transport System mechanism
 - Configuration Validation and Change Analysis



SAP Solution Manager – Functionalities Overview



Solution Documentation

Solution Documentation is divided into 2 types

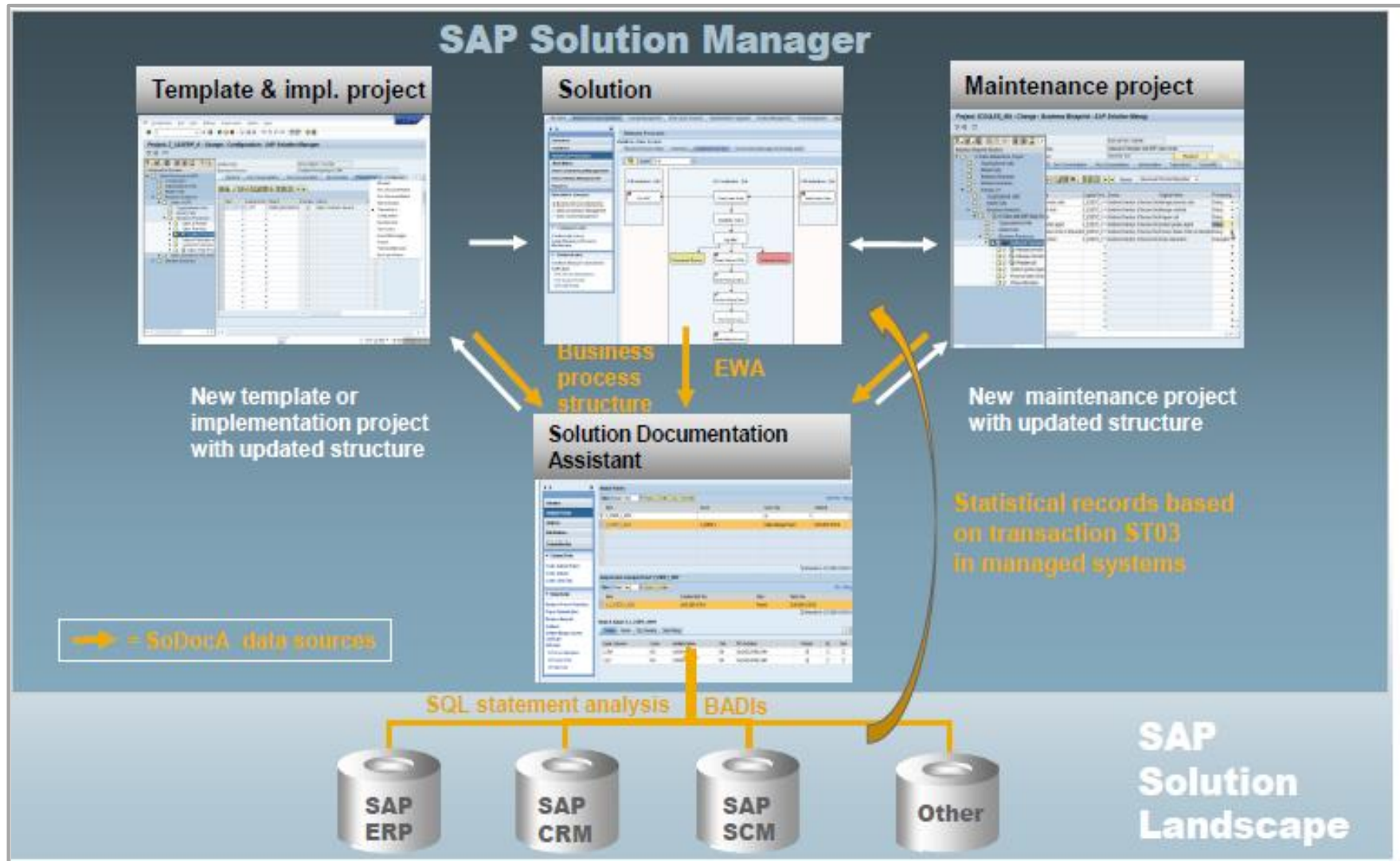
Technical Landscape Documentation

- Documentation of systems, servers, databases and software components
- Maintenance done by:
 - system administrators
 - technical SAP Solution Manager experts
 - Automatic update of landscape documentation (e.g. via SLD)

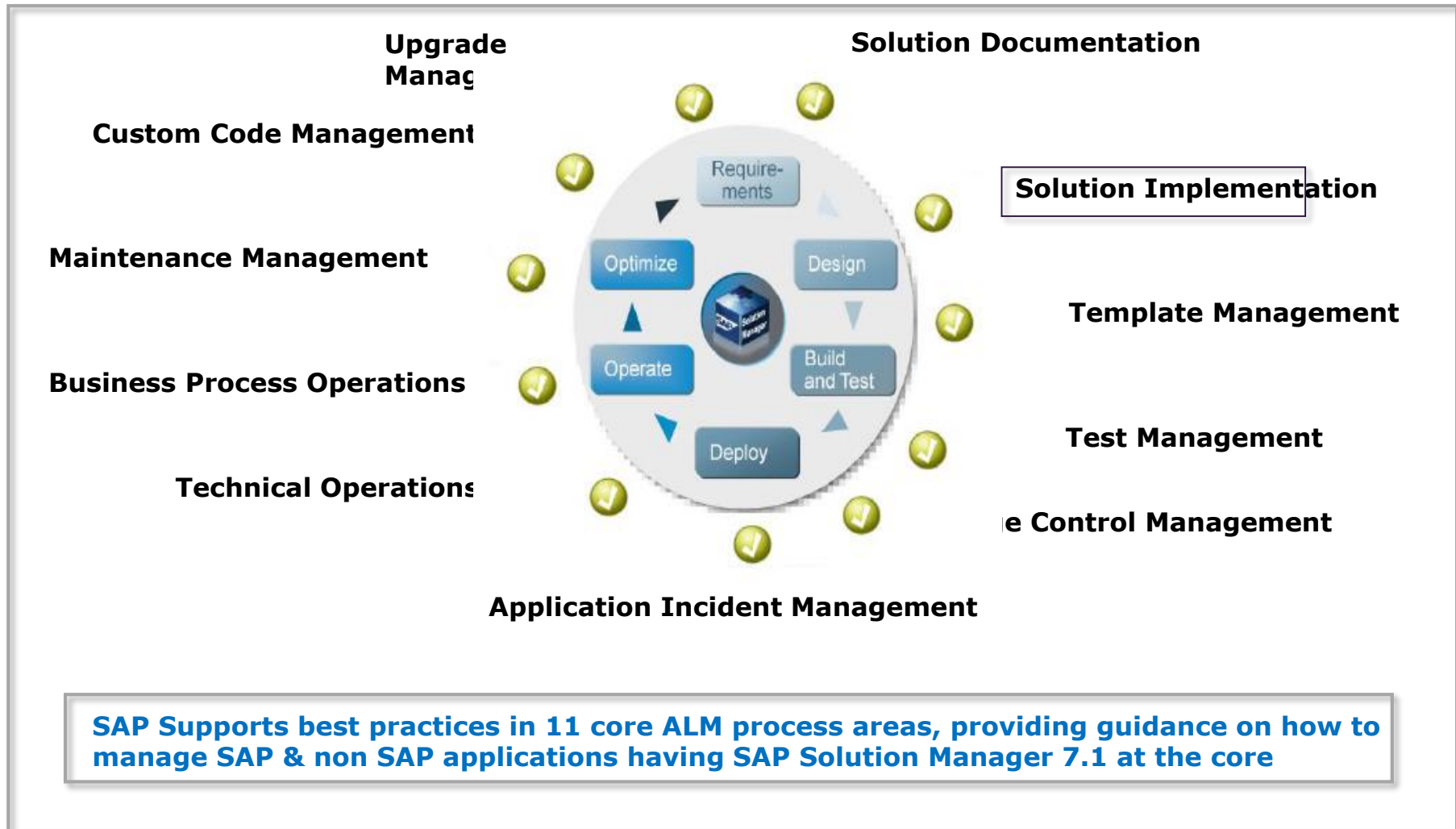
Business Process Documentation

- Documentation of core business processes, related interfaces and custom code
- Maintenance done by:
 - solution architects, e.g. for custom development and interface specifications;
 - business process experts, e.g. to document (core) process flow
 - project members, e.g. to document test cases and project specific customizing
 - functional SAP Solution Manager experts, e.g. for simple transfer if good process documentation is available

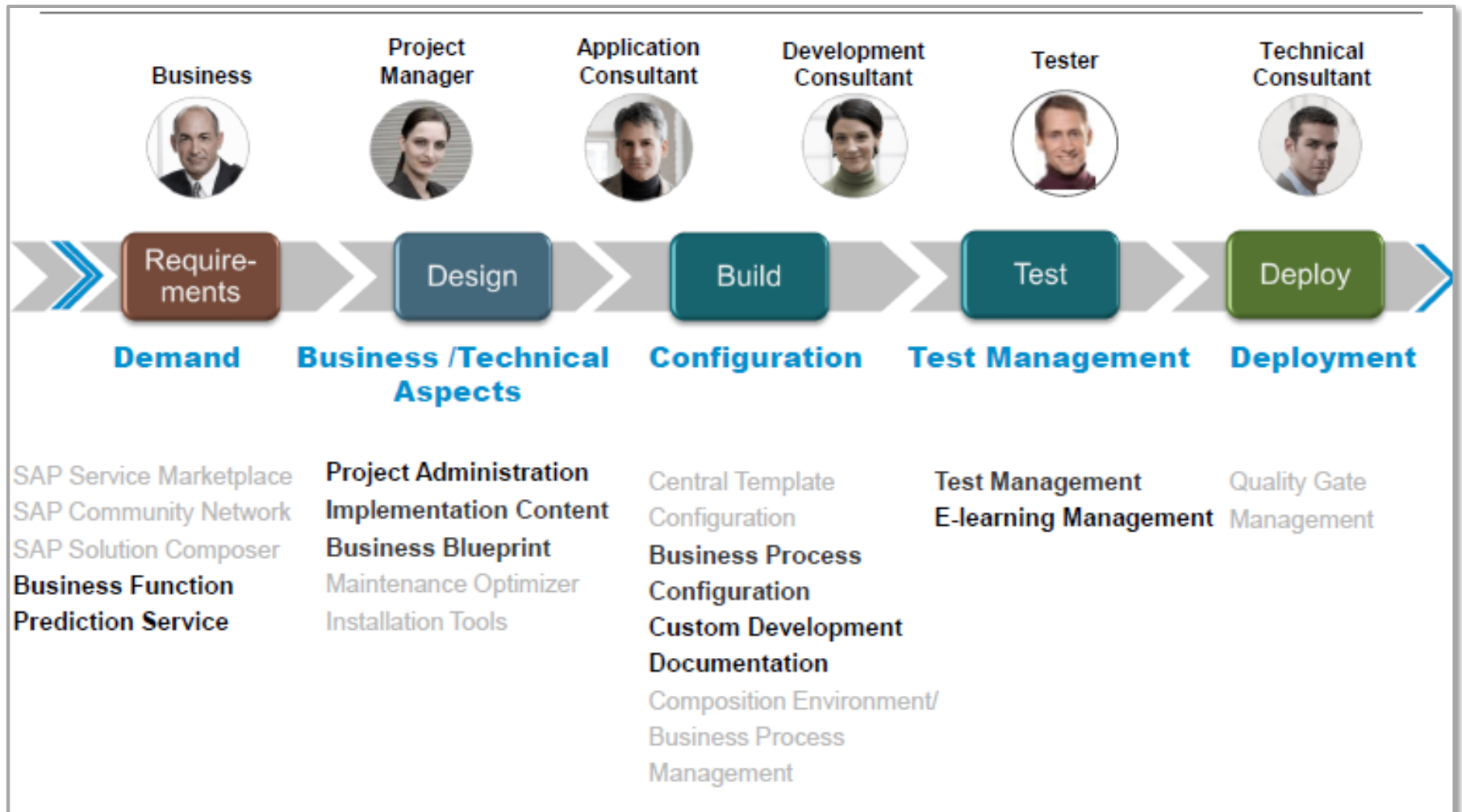
Solution Documentation : Solution Documentation Assistant (SDA)



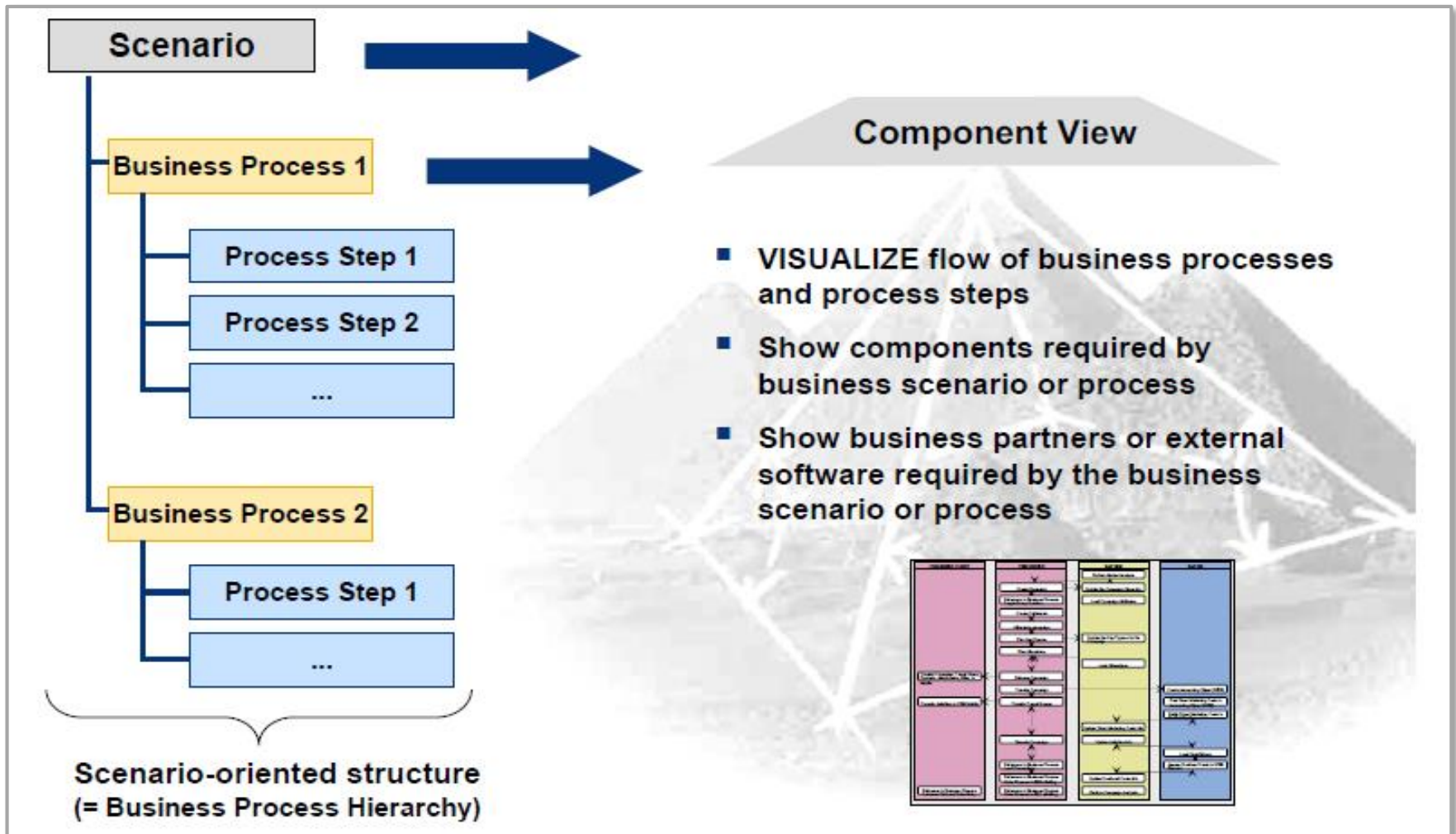
SAP Solution Manager – Functionalities Overview



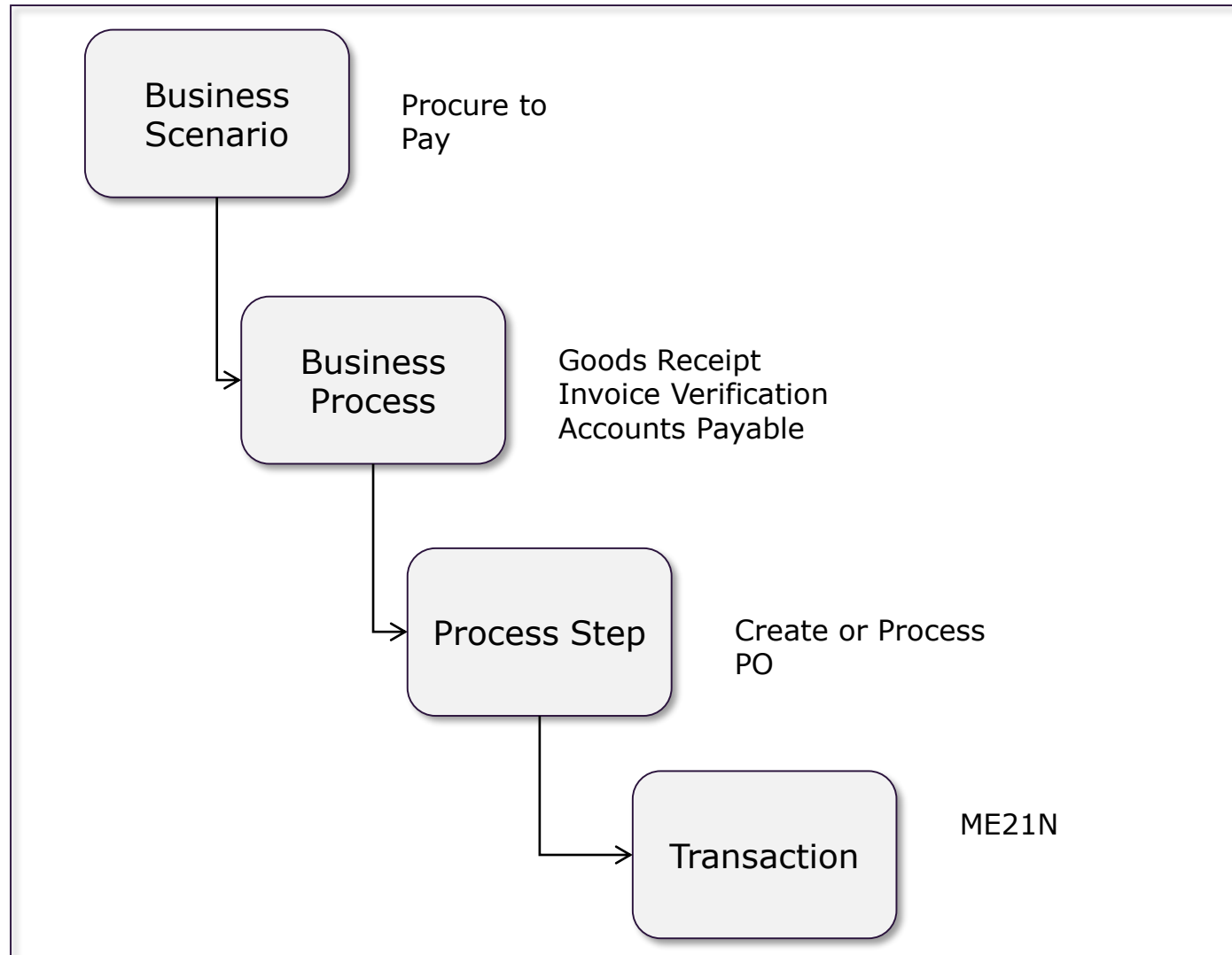
Solution Implementation Overview



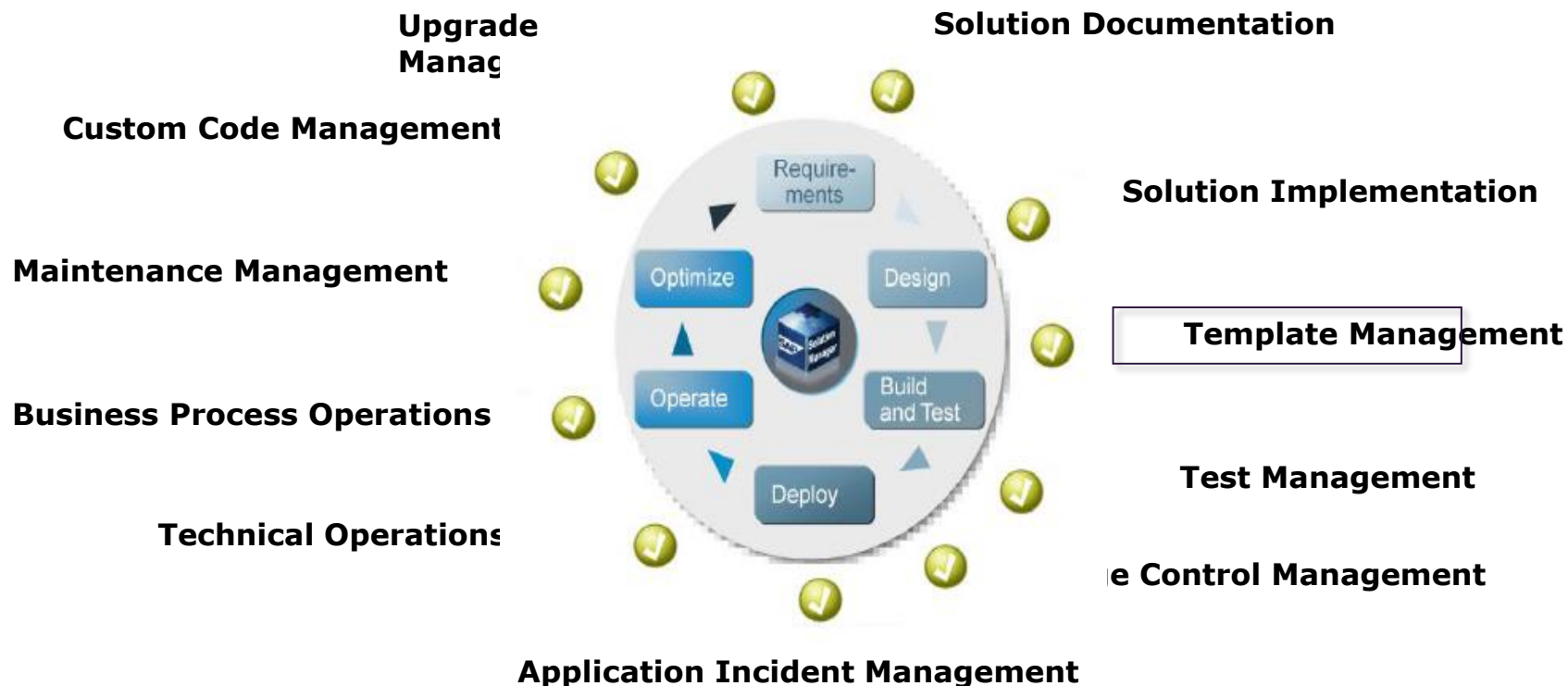
Solution Implementation



Solution Implementation: BPR – Business Process Repository



SAP Solution Manager – Functionalities Overview



SAP Supports best practices in 11 core ALM process areas, providing guidance on how to manage SAP & non SAP applications having SAP Solution Manager 7.1 at the core

Template Management Global Roll Out Process - I

1 Define global Template

Global Template Project



Global TMP 01 V01

2 Roll out global Template

3 Implement Template

Global Template(s) become Reference System

Implementation Project 1



Global TMP 01 V01

Implementation Project 2



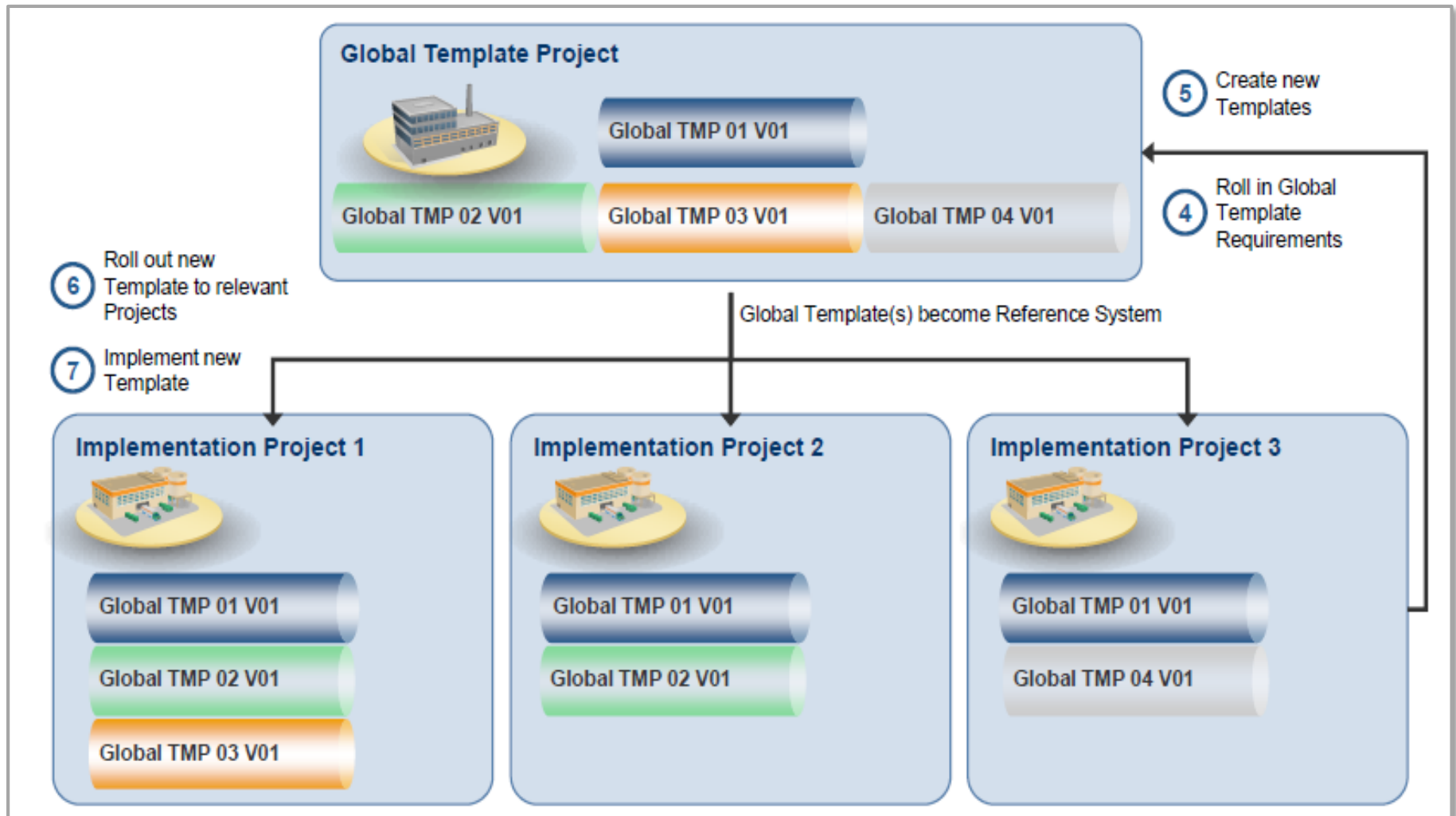
Global TMP 01 V01

Implementation Project 3

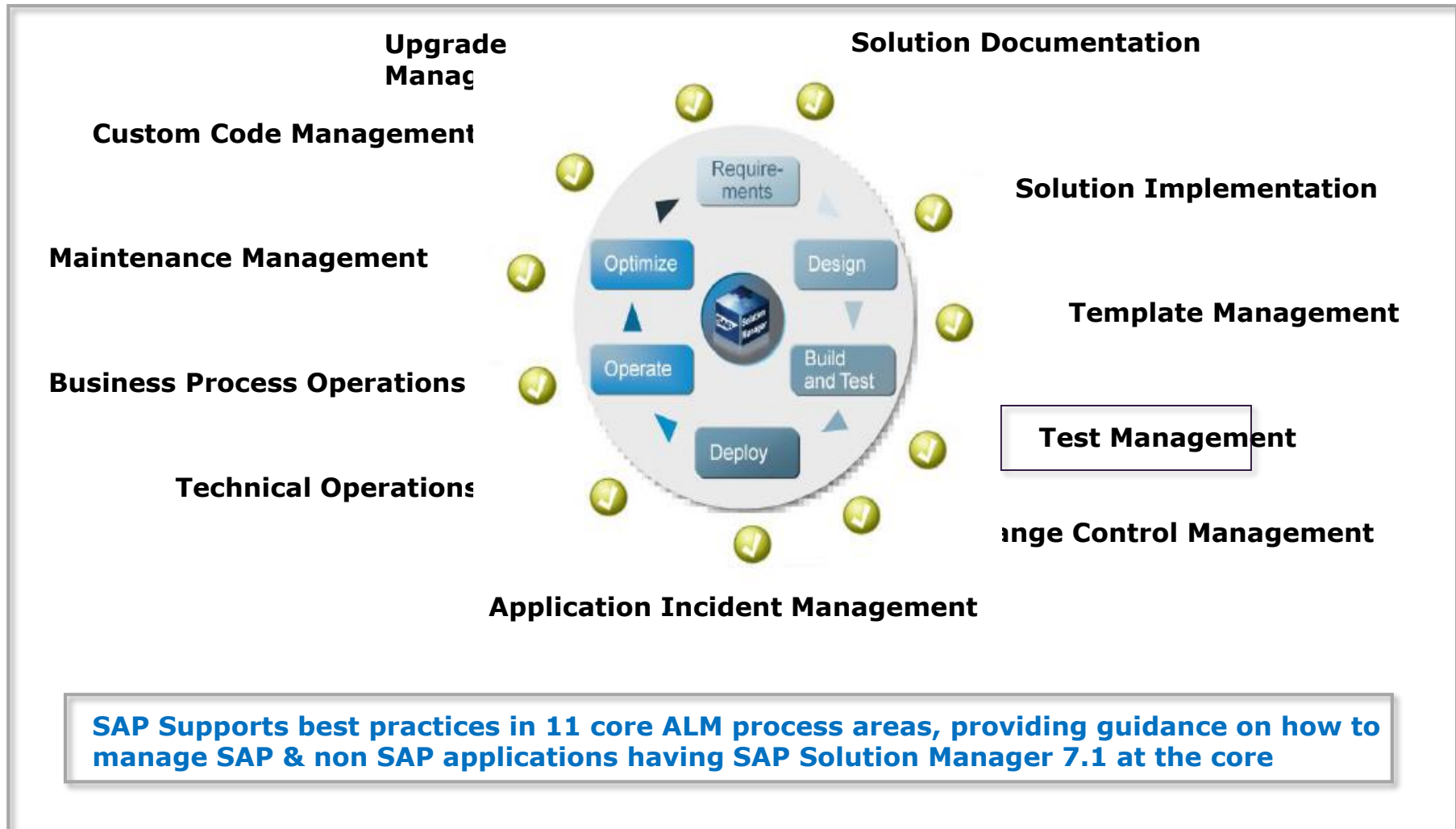


Global TMP 01 V01

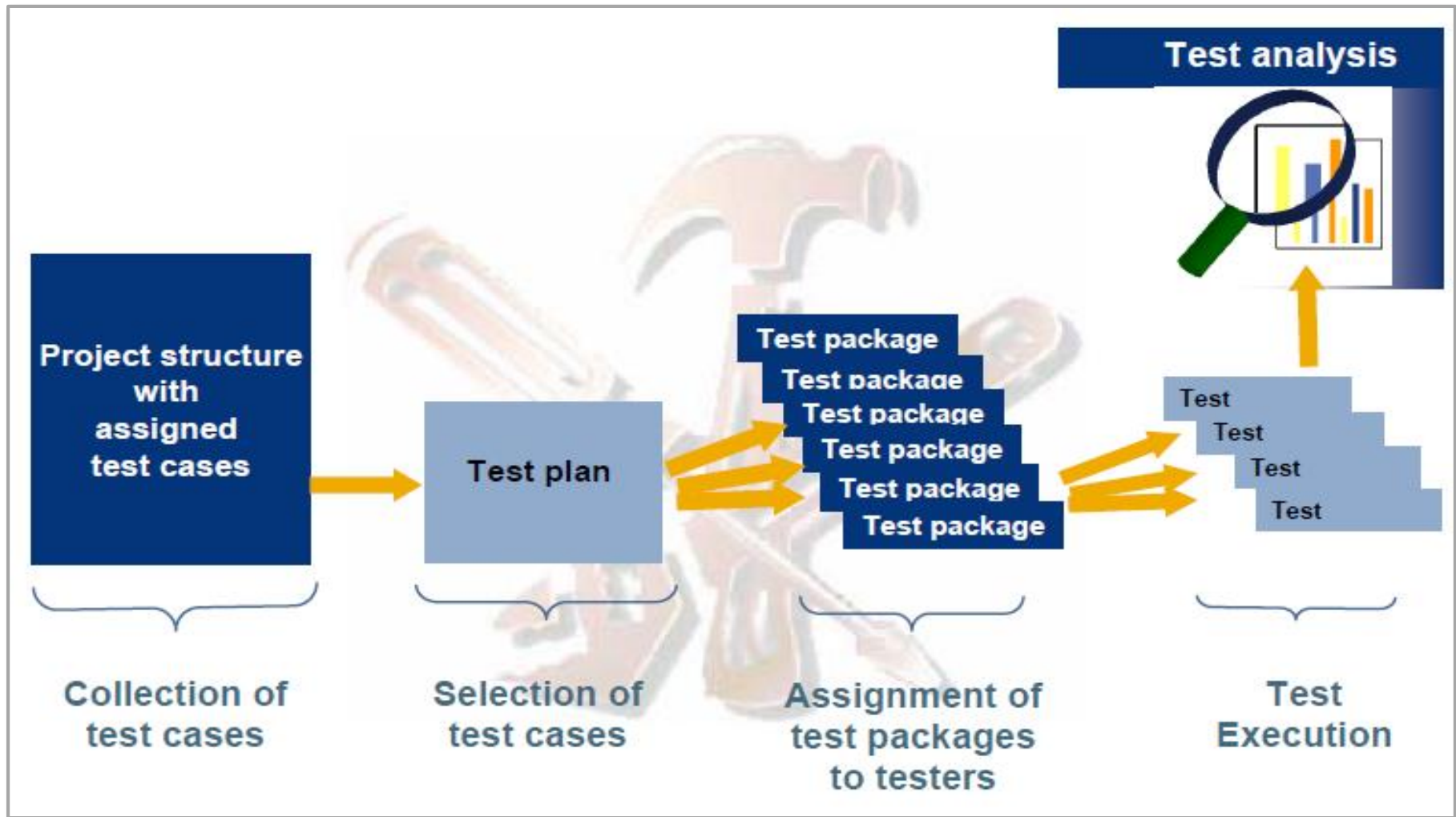
Template Management Global Roll Out Process - II



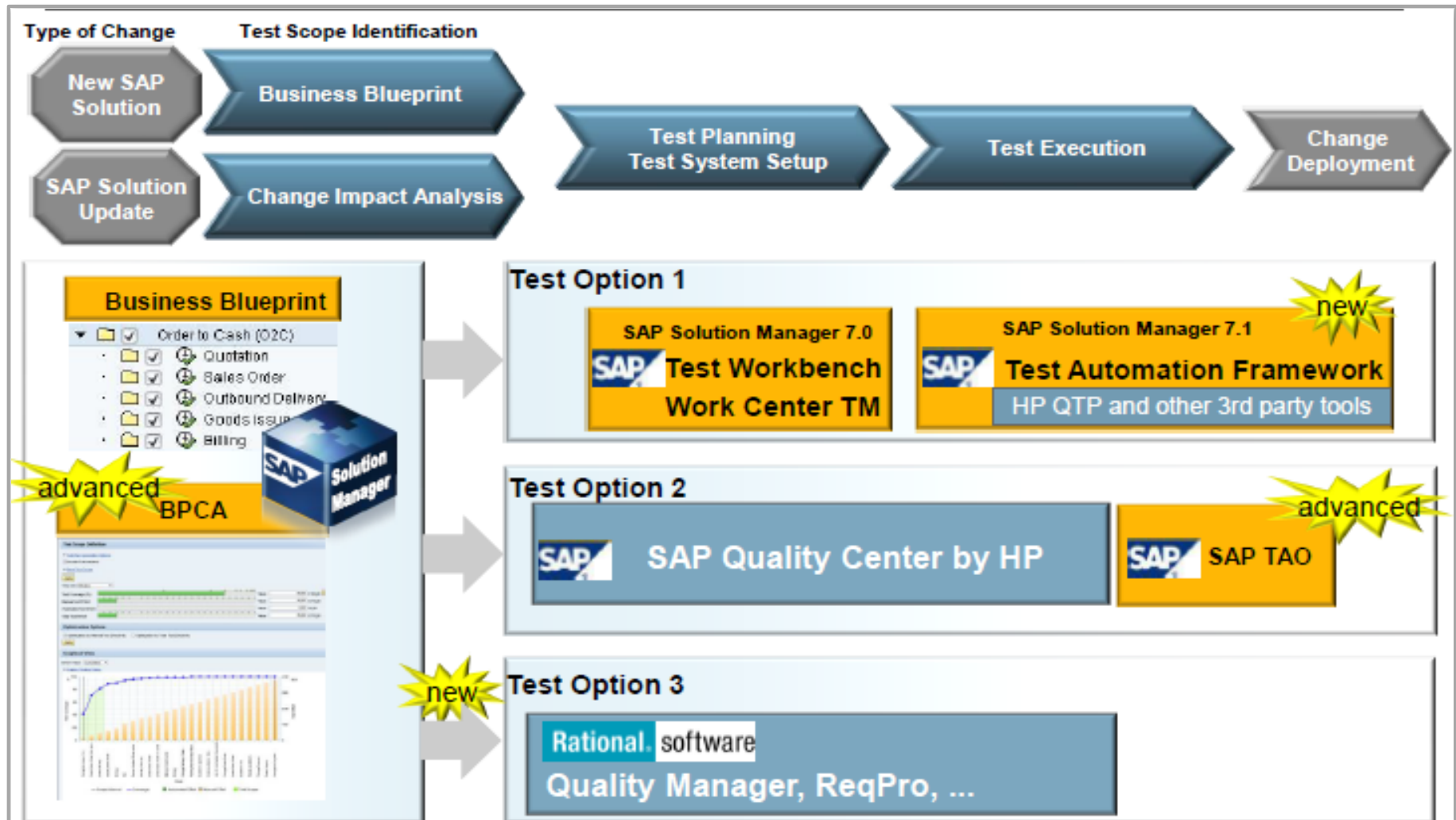
SAP Solution Manager – Functionalities Overview

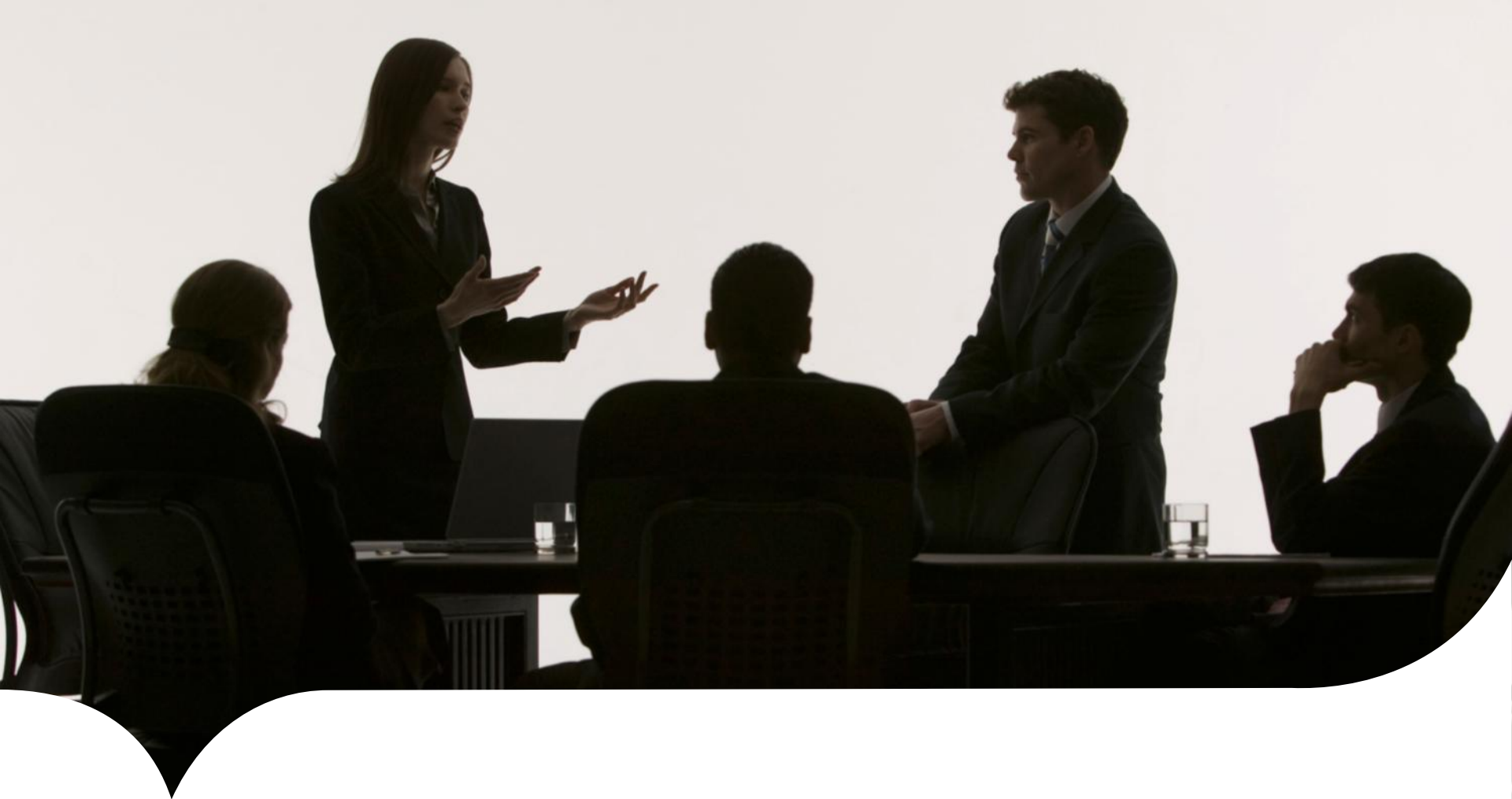


Test Management in SAP Solution Manager



E2E Test Management Test Options for Functional Testing





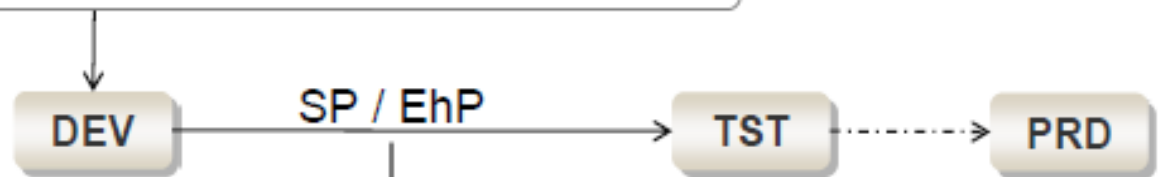
BREAK

Test Management – Business Process Change Analyzer (BPCA)

BPCA Use Case 4: SP / EhP Deployment and Test Scope Optimization

Example: Deployment of EhP 4 for SAP ERP

SAP Support Package / Enhancement Package Deployment

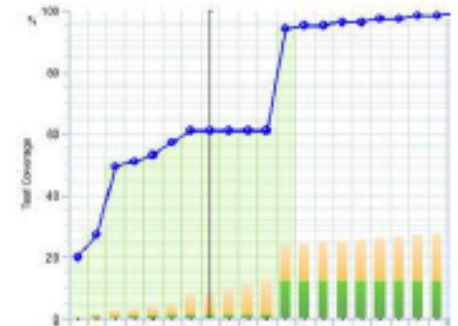


Change Impact Analysis

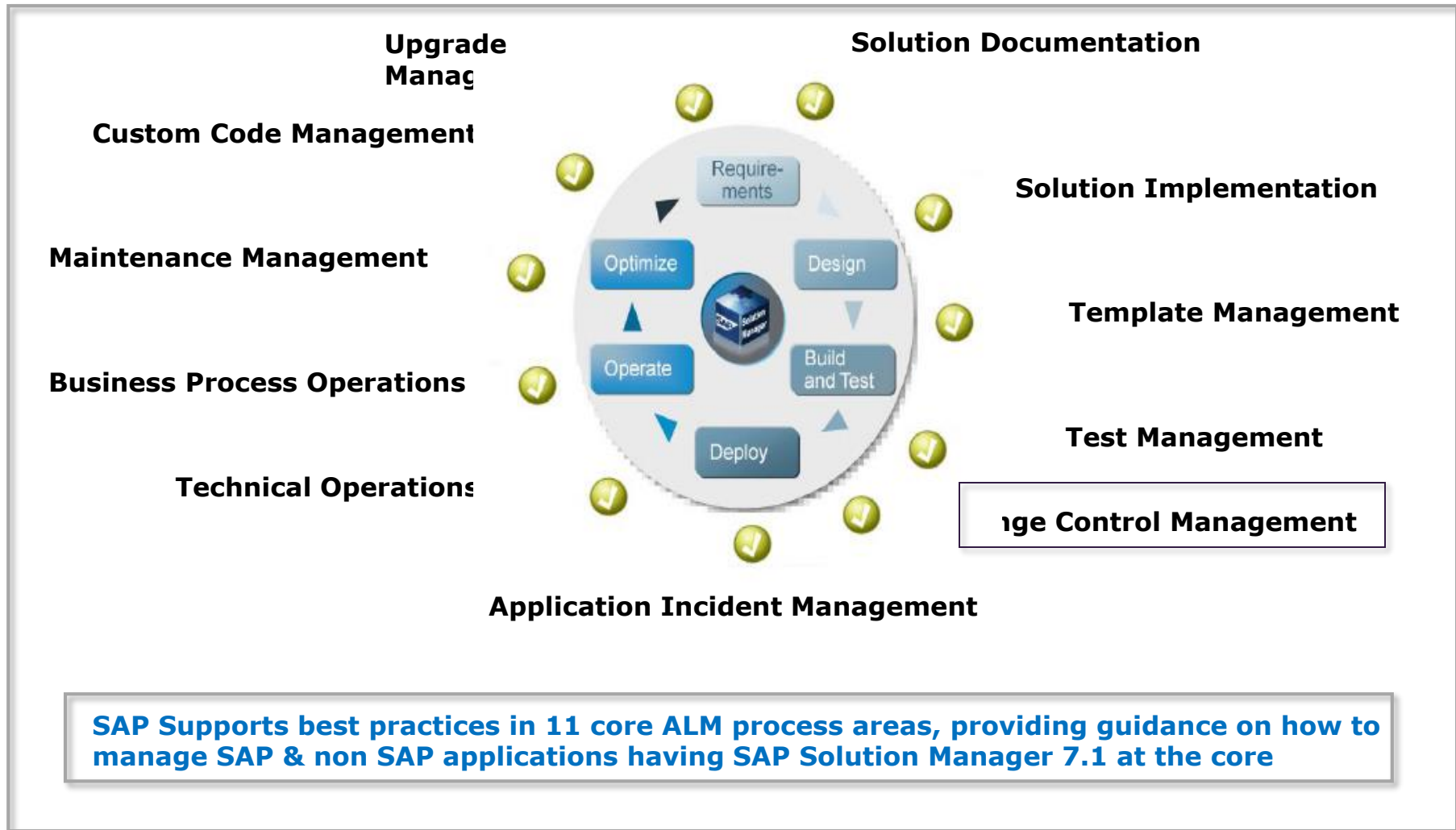
Identification of impacted business processes

Test Recommendation

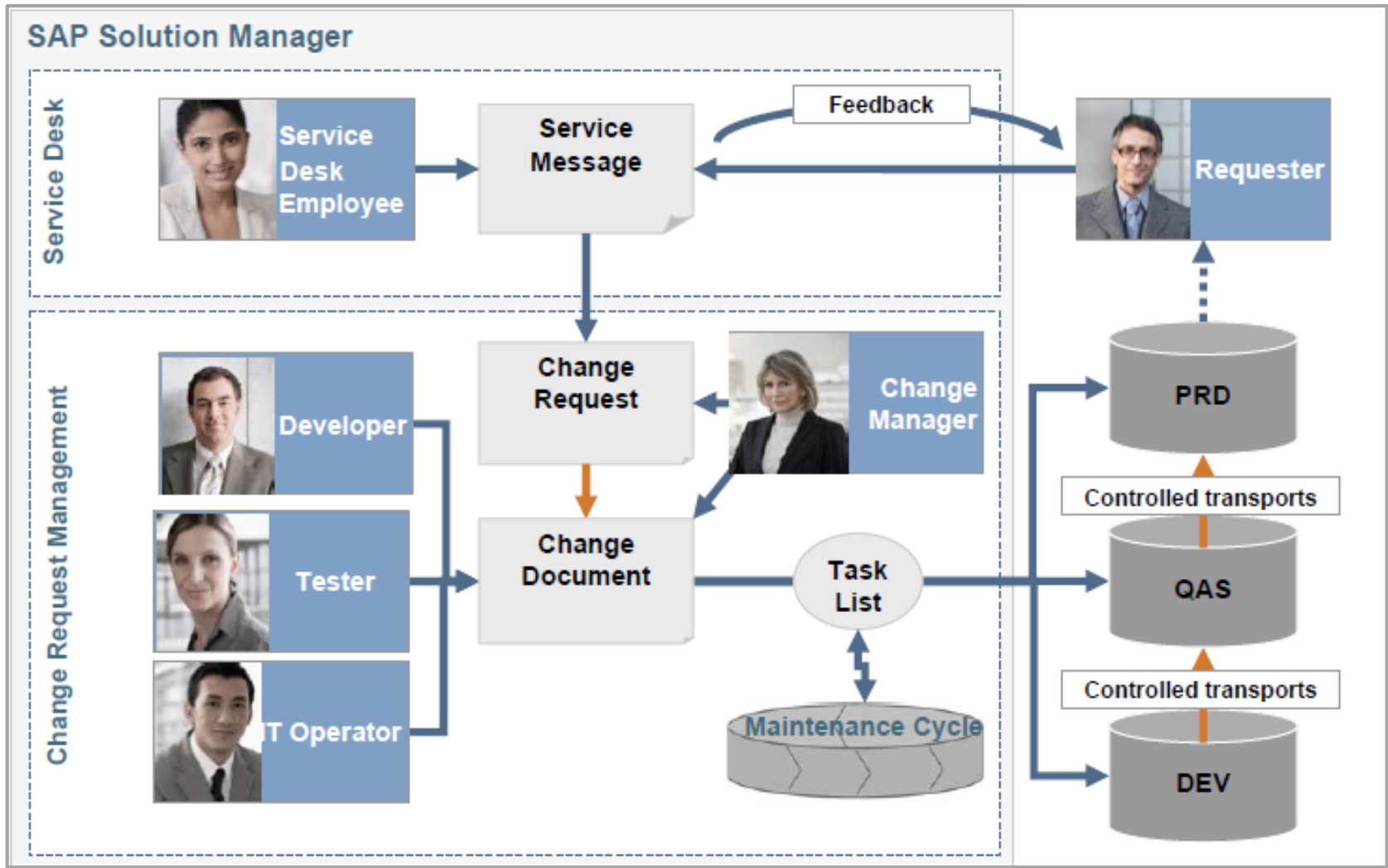
Generation of Test Plan with risk-based test scope



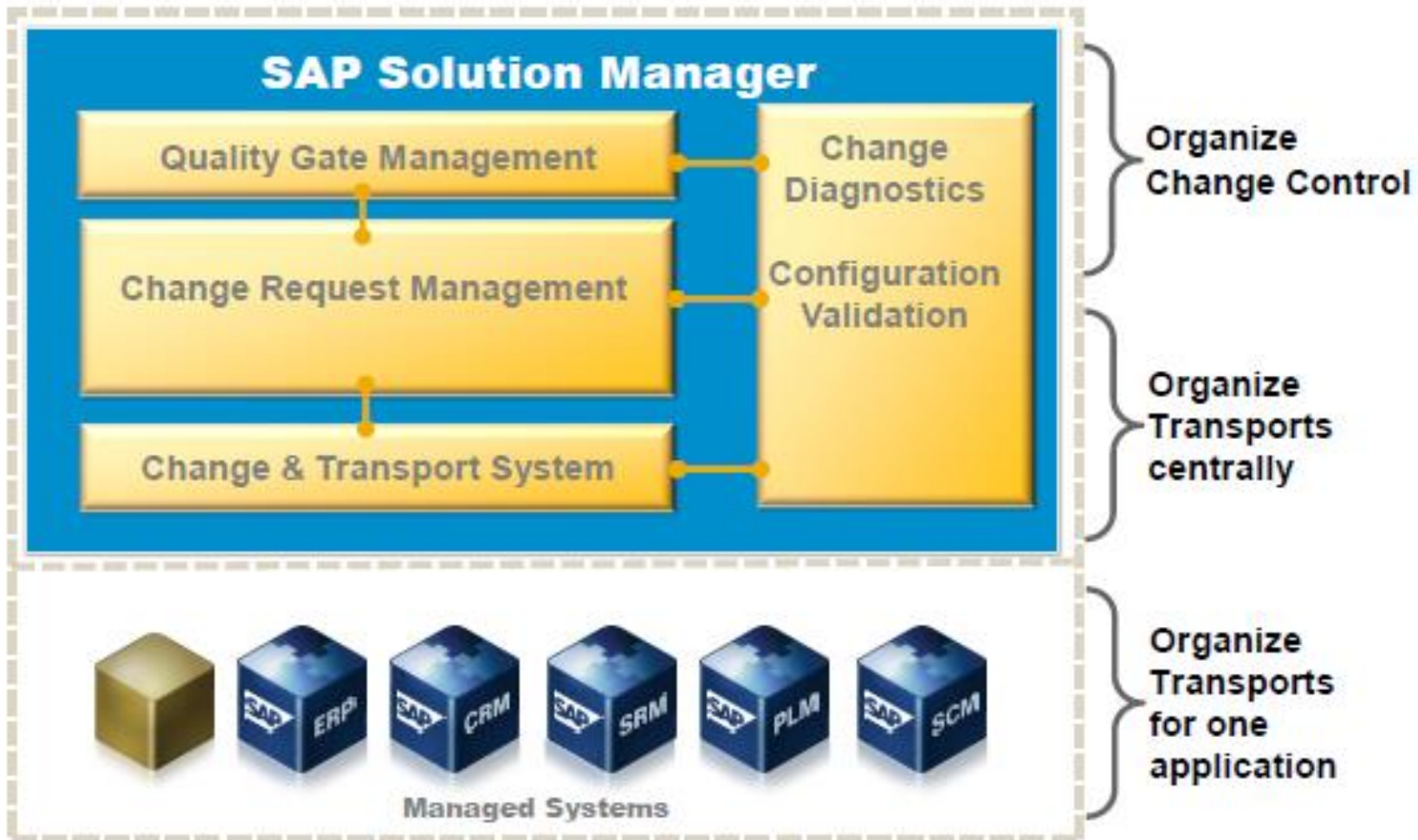
SAP Solution Manager – Functionalities Overview



Change Control Management: ChaRM - Change Request Management

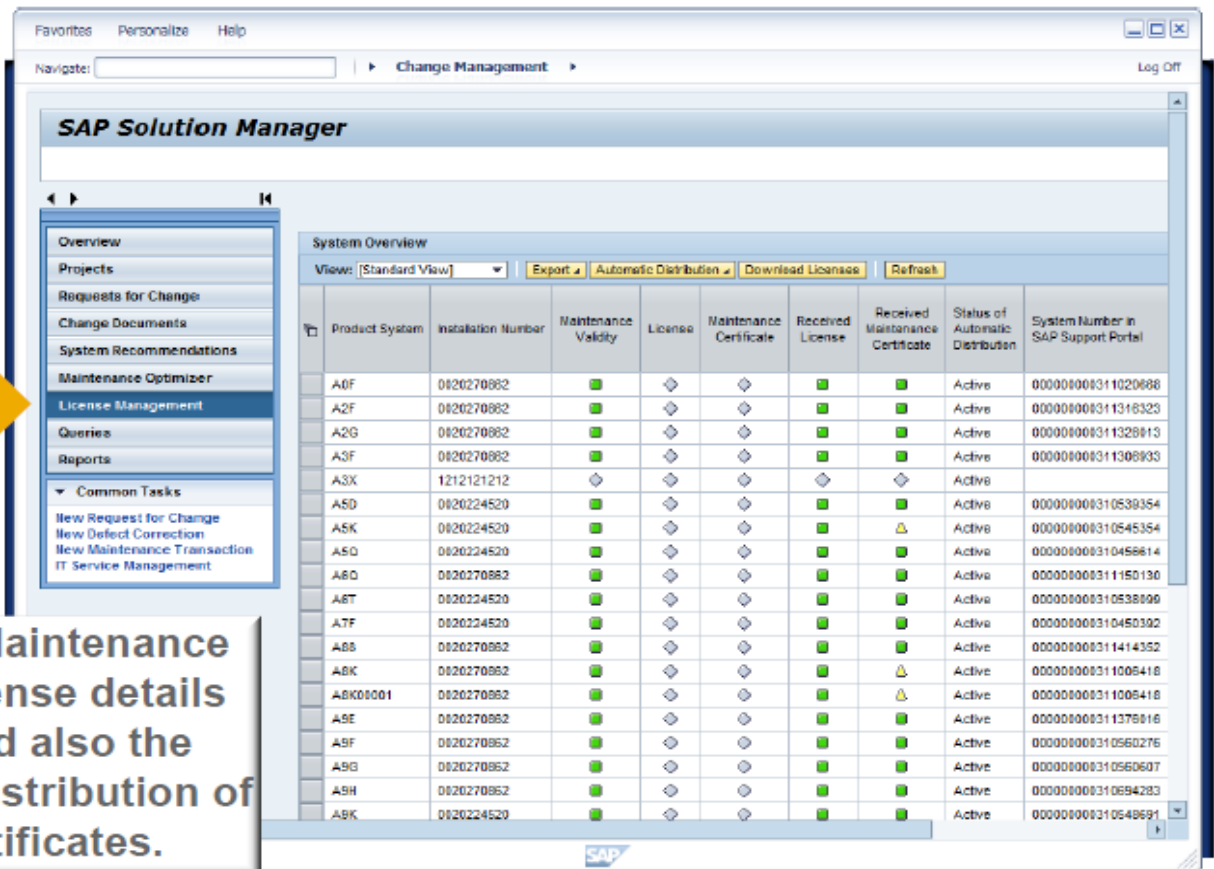


Change Control Management: Enables one consistent quality process



License Management

Change Management Work Center License Management



The screenshot shows the SAP Solution Manager interface for License Management. A yellow arrow points to the 'License Management' option in the left-hand navigation menu. The main area displays a 'System Overview' table with columns for Product System, Installation Number, Maintenance Validity, License, Maintenance Certificate, Received License, Received Maintenance Certificate, Status of Automatic Distribution, and System Number in SAP Support Portal. The table lists various systems (A0F, A2F, A2G, A3F, A3X, A5D, A5K, A5Q, A6D, A6T, A7F, A8B, A8K, A8K01001, A9E, A9F, A9G, A9H, A9K) and their corresponding details.

SAP Solution Manager

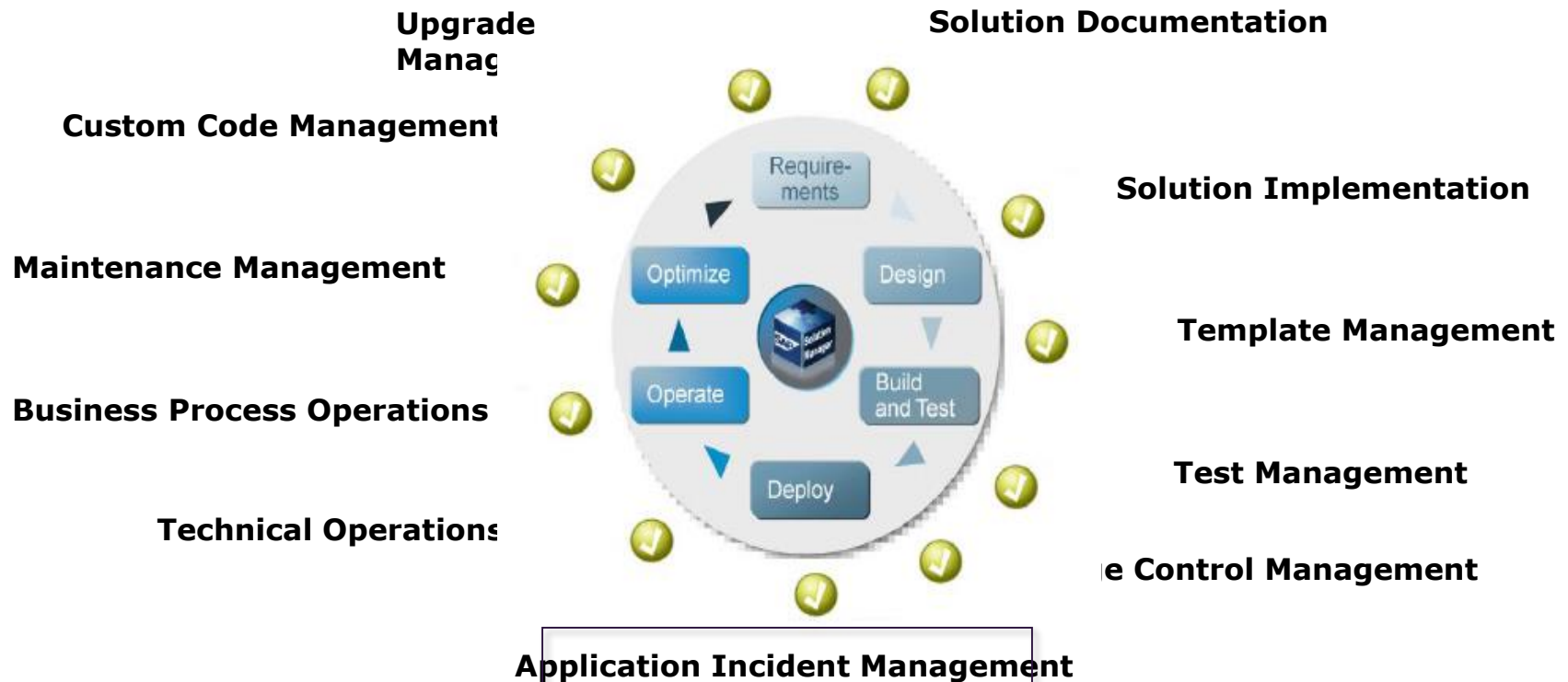
System Overview

Views: [Standard View] | Export | Automatic Distribution | Download Licenses | Refresh

Product System	Installation Number	Maintenance Validity	License	Maintenance Certificate	Received License	Received Maintenance Certificate	Status of Automatic Distribution	System Number in SAP Support Portal
A0F	0020270882	■	◆	◆	■	■	Active	00000000311020688
A2F	0020270882	■	◆	◆	■	■	Active	00000000311316323
A2G	0020270882	■	◆	◆	■	■	Active	00000000311328813
A3F	0020270882	■	◆	◆	■	■	Active	00000000311308933
A3X	1212121212	◆	◆	◆	◆	◆	Active	
A5D	0020224520	■	◆	◆	■	■	Active	00000000310539354
A5K	0020224520	■	◆	◆	■	▲	Active	00000000310545354
A5Q	0020224520	■	◆	◆	■	■	Active	00000000310458614
A6D	0020270882	■	◆	◆	■	■	Active	00000000311150130
A6T	0020224520	■	◆	◆	■	■	Active	00000000310538999
A7F	0020224520	■	◆	◆	■	■	Active	00000000310450392
A8B	0020270882	■	◆	◆	■	■	Active	00000000311414352
A8K	0020270882	■	◆	◆	■	▲	Active	00000000311005418
A8K01001	0020270882	■	◆	◆	■	▲	Active	00000000311005418
A9E	0020270882	■	◆	◆	■	■	Active	00000000311376916
A9F	0020270882	■	◆	◆	■	■	Active	00000000310560276
A9G	0020270882	■	◆	◆	■	■	Active	00000000310560607
A9H	0020270882	■	◆	◆	■	■	Active	00000000310594283
A9K	0020224520	■	◆	◆	■	■	Active	00000000310548691

This view displays Maintenance Certificates and License details for all systems, and also the status of automatic distribution of Maintenance Certificates.

SAP Solution Manager –Functionalities Overview

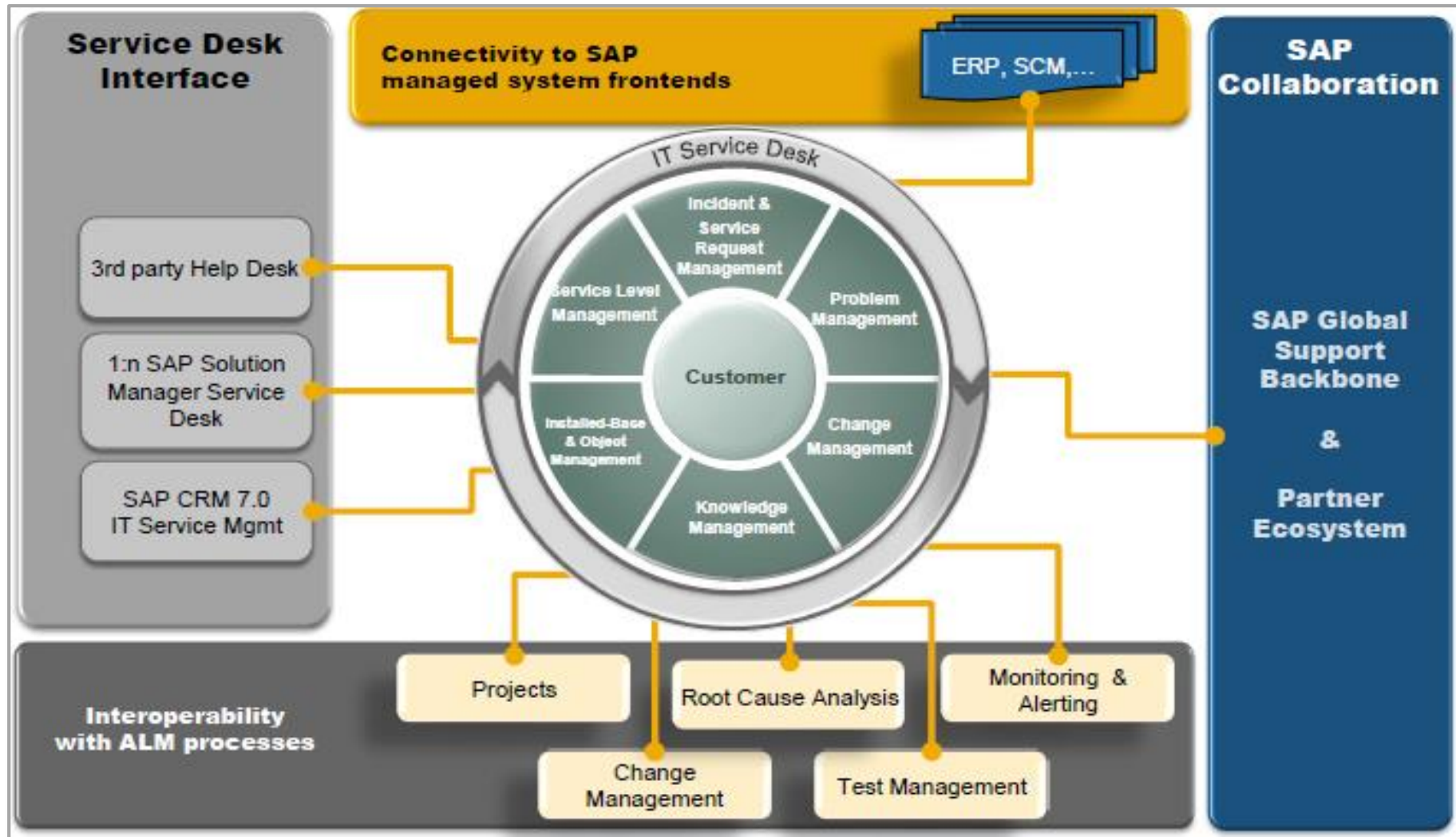


SAP Supports best practices in 11 core ALM process areas, providing guidance on how to manage SAP & non SAP applications having SAP Solution Manager 7.1 at the core

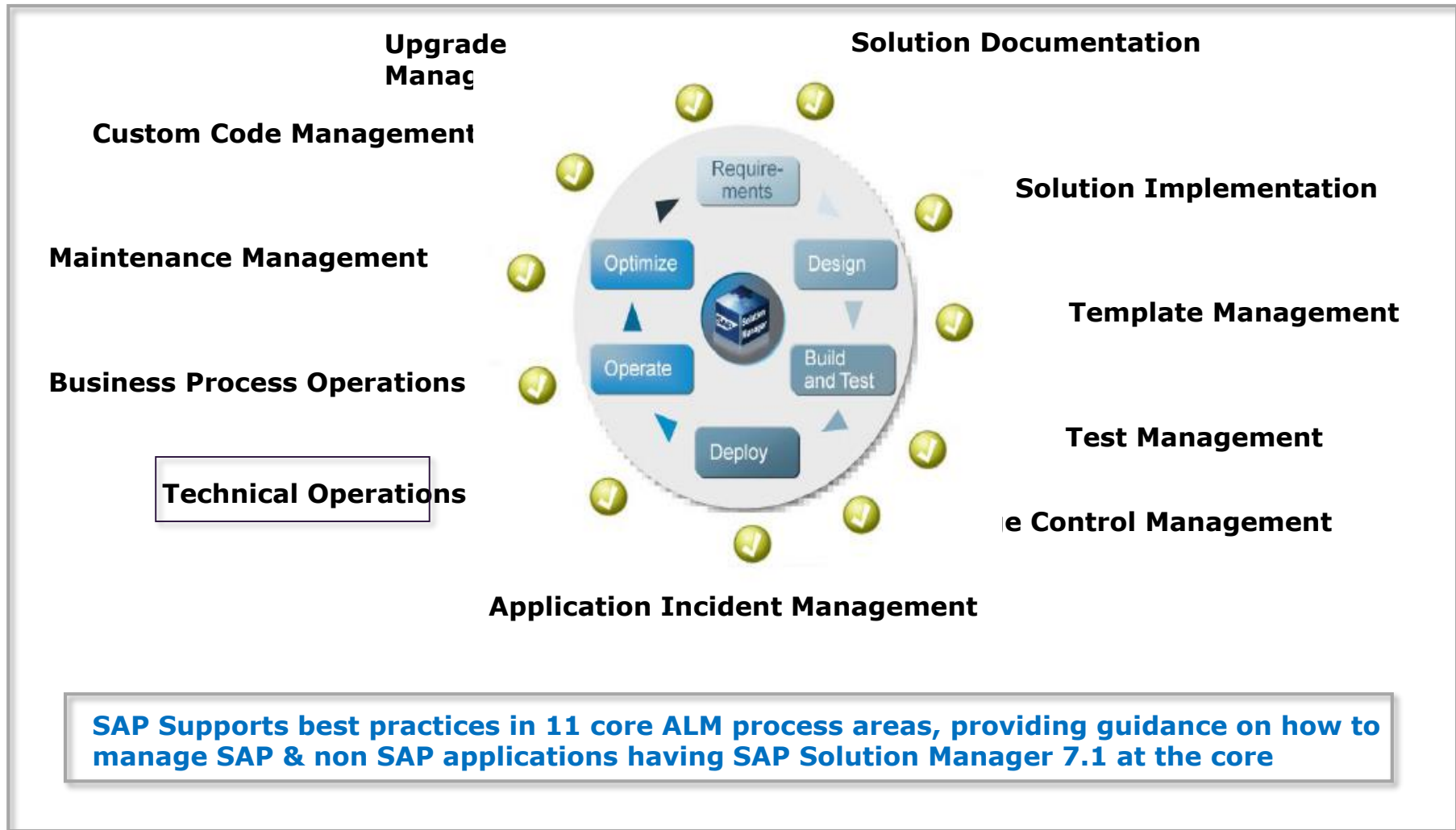
Application Incident Management in SAP Solution Manager



Application Incident Management Integration infrastructure



SAP Solution Manager – Functionalities Overview



Technical Operations



Technical Monitoring & Alerting

One infrastructure for all monitoring and alerting covering SAP & non-SAP



Technical Analytics

From technical reporting to management reporting, out-of-the-box and extendable



Root Cause Analysis

Analyze issues in heterogeneous landscapes with one look-and-feel



Configuration Validation

Ensure that your landscape is configured compliant to your policy and references



Technical Administration

Optimize operation of your IT and application landscape



Data Volume Management

Manage data growth and archiving procedures in your landscape

Technical Operations: Technical Monitoring & Alerting

Unified Alert Inbox

- Central access point for all alert from the different monitoring scenarios
- Integration of Incident & Notification Management, Root-cause Analysis and collaboration features



System Monitoring

- Status overview for technical systems, instances, databases and hosts.
- Drill down to single metrics and events, Jump in to metric reporting and landscape information



End User Experience Monitoring

- Measurement of availability and response times from an End User perspective
- Deep integration in E2E Trace Analysis for Root-cause Analysis



Process Integration Monitoring

- Central entry point for SAP Process Integration specific monitoring for complete PI domains
- Contains central monitors as Overview, PI components, PI channels and Message flow monitoring as context sensitive jump-ins in local monitors



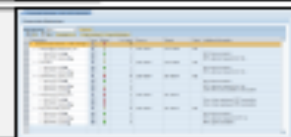
Business Intelligence Monitoring

- Central monitoring for SAP Business Intelligence solutions based on SAP BW and BOE XI
- Monitoring of SAP Business Warehouse process chains and Business Objects specific jobs



Connection Monitoring

- Active Monitoring of RFC and HTTP connections between SAP Systems



Integration of all scenarios in Alerting & Metric Monitoring

Technical Operations: Root Cause Analysis

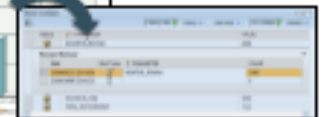
End-To-End Workload Analysis

- General performance overview for heterogeneous landscape
- Review most important KPI's cross all technologies and drill down to product specific workload KPI's



End-To-End Change Analysis

- Statistical change data cross all technologies based on daily configuration snapshots
- Compare configurations between systems and drill down to change reporting for a detailed change history



End-To-End Exception Analysis

- Statistical exception data cross all technologies for exception trend analysis or review exception after changes
- Jump to component specific exception analysis (ST22, NWA,...)



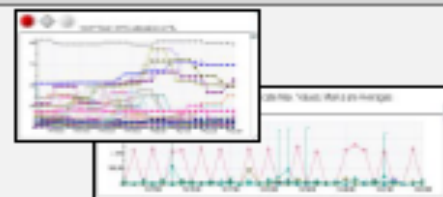
End-To-End Trace Analysis

- Single user request tracing in a complex system landscapes
- Identify the problem causing component (performance and functional) and jump-in to detailed component specific trace analysis (SQL, ABAP, J2EE trace,...)

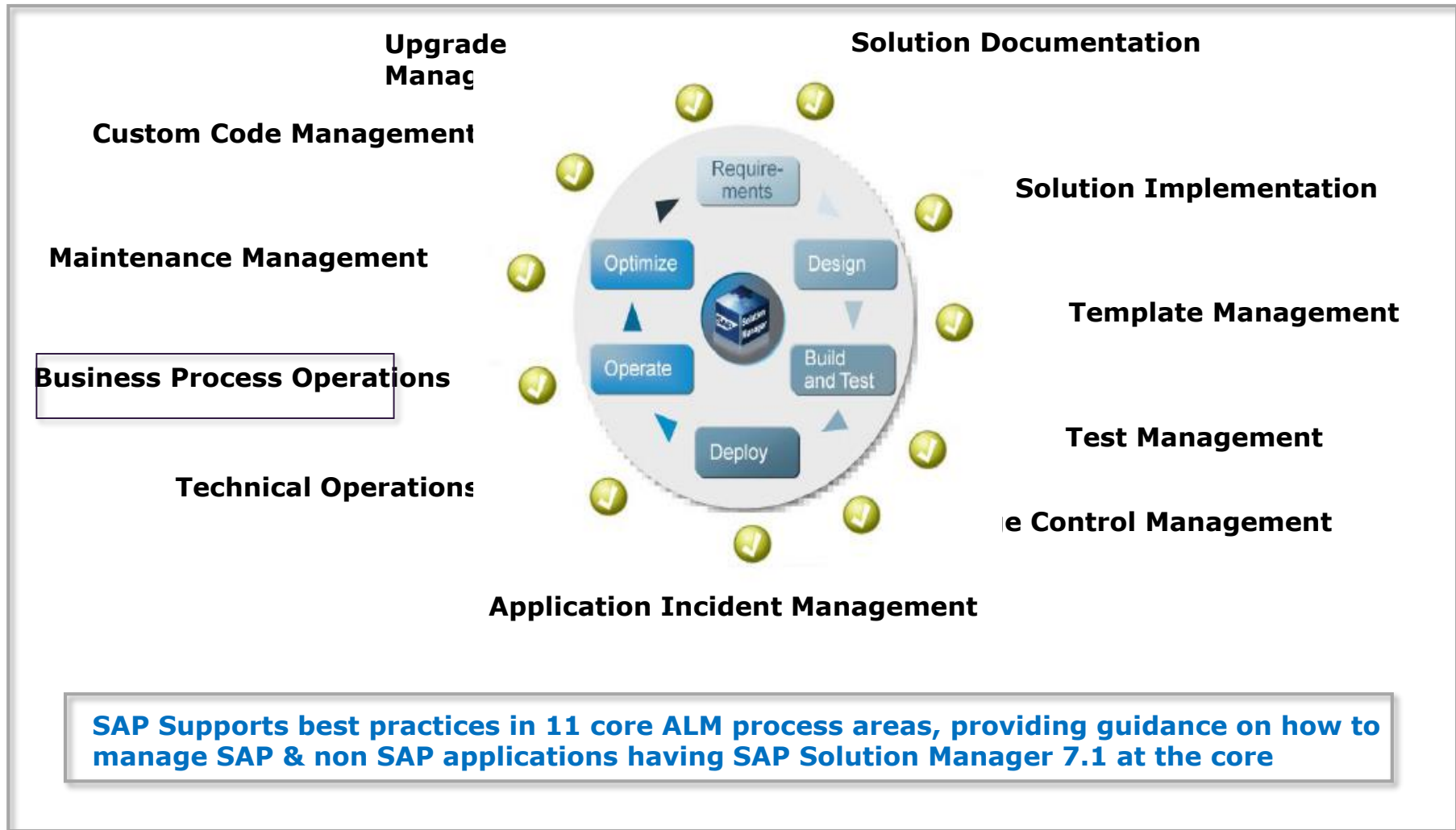


System, Host & Database Analysis

- Central, safe and remote access to file system, OS and DB
- Links to read-only monitoring and administration tools like Wily Introscope for performance analysis and monitoring



SAP Solution Manager – Functionalities Overview



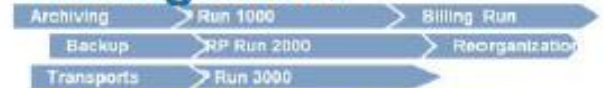
Business Process Operations

Business Process Performance Optimization

Optimize business process flow and throughput



Job Scheduling Management



Automate business process while considering time and HW restrictions

Data Consistency Management

Proactively avoid or detect harmful data inconsistencies

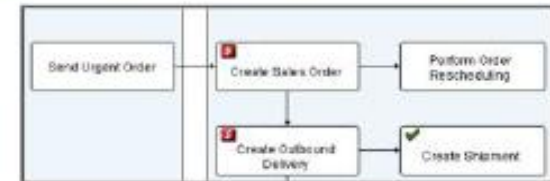


Operations



Business Process Monitoring and Improvement

Proactively ensure reliable business process flow and throughput

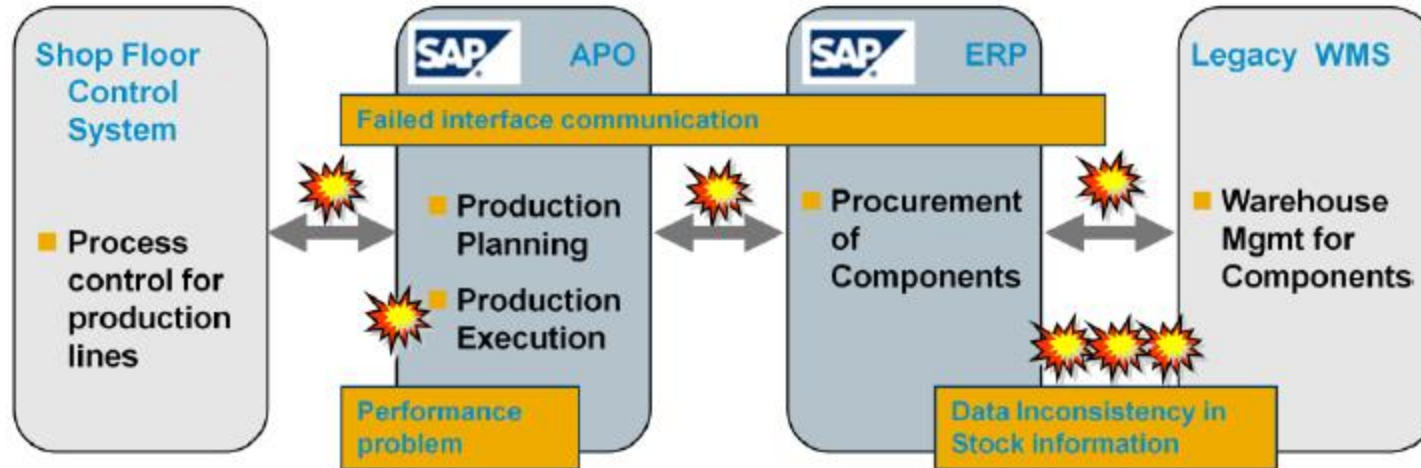


Business Process Operations

Motivation for Business Process Operation

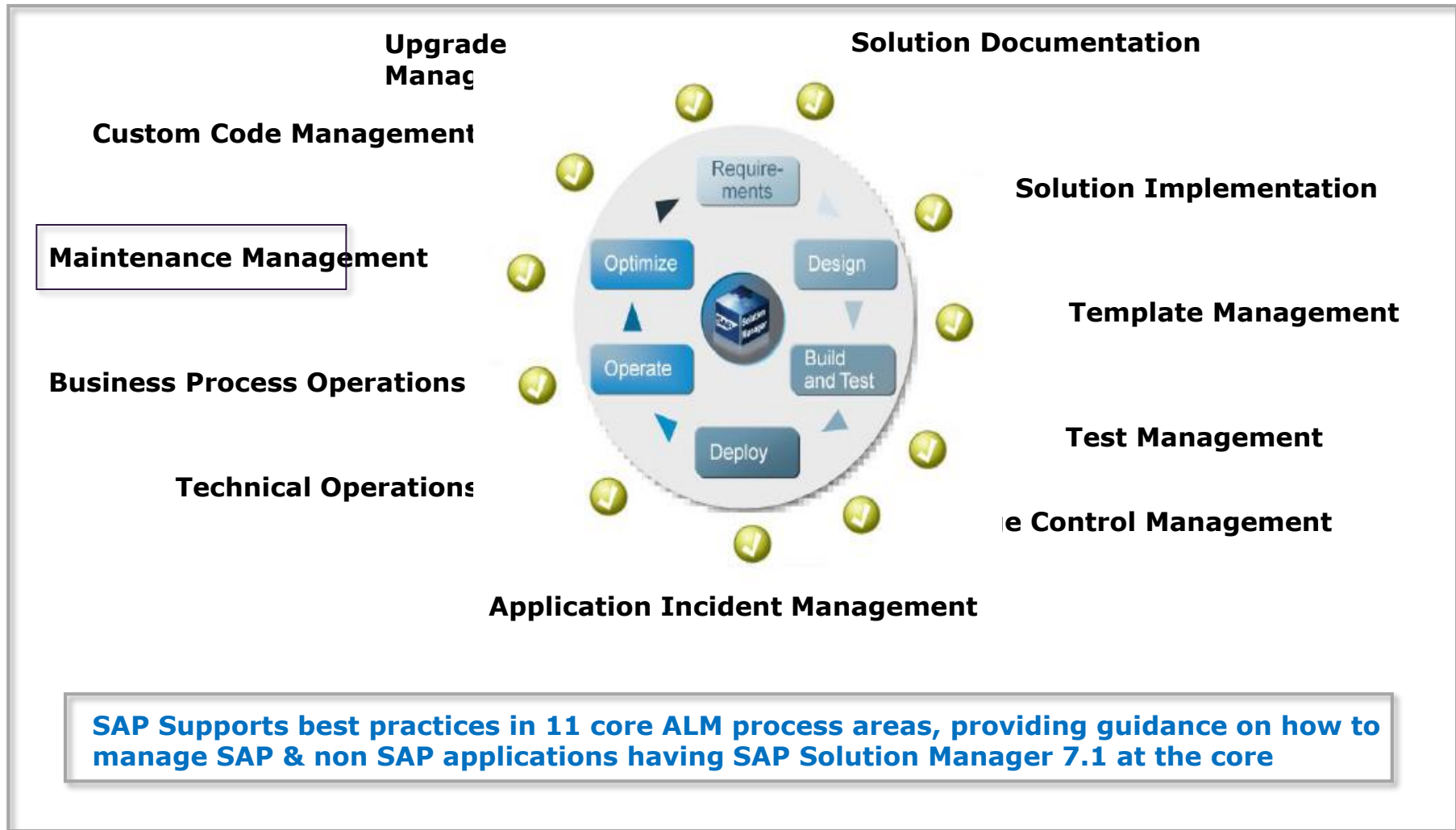
„Keep Mission Critical Business Processes Running“

Example: Car Manufacturing Process (24 hours - 7 days per week)
1000 Cars assembled per day – about 50 cars per hour

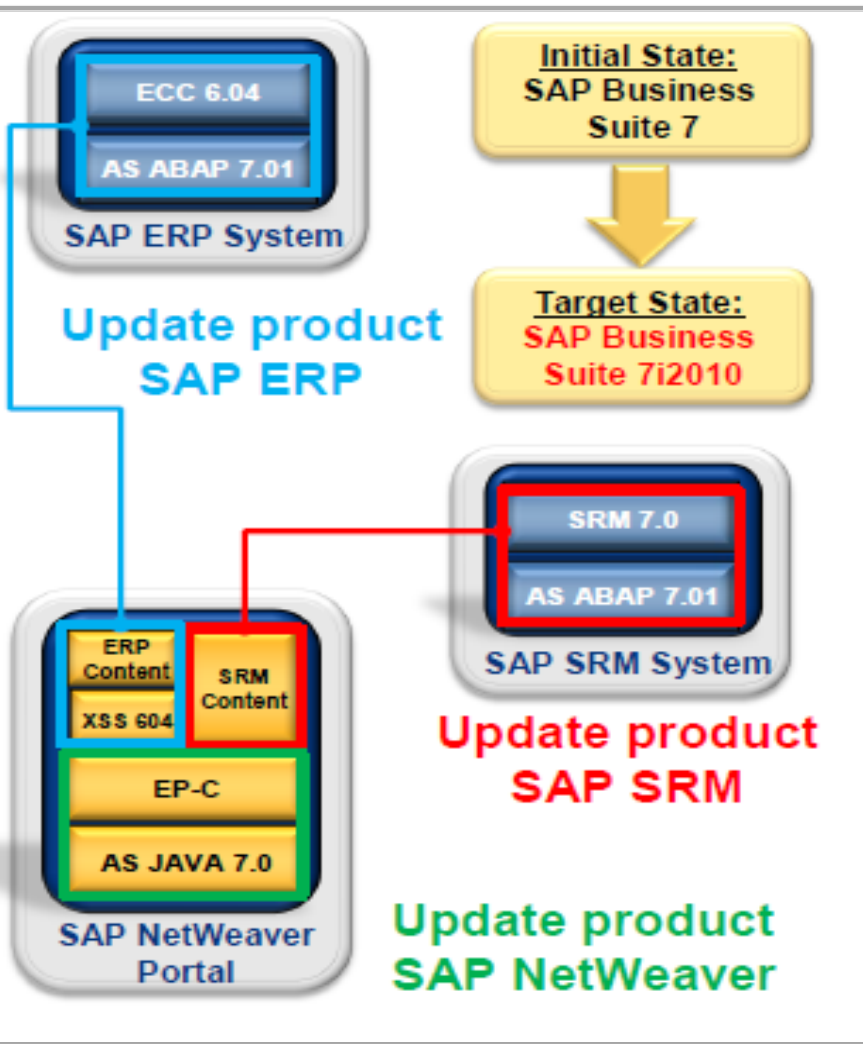


Business Risks: One hour production down „costs“ about 1.000.000 \$

SAP Solution Manager – Functionalities Overview



Maintenance Management: Maintenance Optimizer



Various reasons for updating an SAP system Landscape :

Application Driven

Update triggered by new business suite functionality
Implementing new enhancement packages for SAP business suite

Technology Driven

Update Triggered by new Net weaver functionality

Maintenance Optimizer allows maintenance for each product separately as well as combined maintenance of connected systems

Maintenance Optimizer

Change Management Work Center Maintenance Optimizer

This view displays all Maintenance Optimizer transactions and their details.



SAP Solution Manager

Transactions of type: Maintenance Optimizer

Priority	ID	Description	Created On	Created By	Changed On	Changed By	Status	Solution
3: Medium	0000014030	New Mainte...	15.02.2011 ...	RKT_EXAMPLE	15.02.2011 ...	RKT_EXAM...	New	ST710 SP0...

Last Refresh: 15.02.2011 18:27:57 CET [Refresh](#)

Details of Maintenance Transaction 0000014030

Priority: 3: Medium
Status: New
Short Text: New Maintenance Optimizer Transaction
Product Version: SAP SOLUTION MANAGER 7.1

Business Partners

Sold-To Party: SAP AG / 69190 Walldorf (803)

System Status				
System	Source Component	Start Date	End Date	SAP Status
SQ7	Z_SQ7			New

System Recommendations

SAP Solution Manager

Filter System Recommendations by:

Solution: Demo Solution Application Component: All

Product System: DEM Technical System: DEM (ABAP) Released From: 20.12.2009 To: 27.12.2010

Filter Save

System: MO1 System Type: ABAP Released From: 20.12.2009 Released To: 27.12.2010 Last Refresh: 2010.12.27 14:16:09 CET Refresh

Security Notes(360) HotNews(43) Performance Notes(508) Legal Change Notes(338) Correction Notes(1050)

Show: New Set Status Expand All Collapse All Select All Deselect All Create Change Request Choose Java Patches Create Maintenance Transaction

Number	Version	Status	Category	Priority
IS-OIL 600	Support Package 13 Related			
IS-OIL-DS-SSR	Service Station Retailing	New	A - Program error	2 - Correction with high priority
0001509638	0003			
IS-OIL-PRA	Production and Revenue Accounting	New	A - Program error	2 - Correction with high priority
0001509344	0002			
XX-INT-SR	Security Response	New	A - Program error	2 - Correction with high priority
0001509344	0001			
ECC-DMP 800	Support Package 13 Related			
0001477759	Overhead Cost Controlling	New	A - Program error	2 - Correction with high priority
SWP	Supplier Workplace	New	A - Program error	2 - Correction with high priority
001520101	0004			
VWS	Vehicle Management System			
0001511594	Bill of Quantity	New	A - Program error	2 - Correction with high priority
ECC-DMP 800	Support Package Independent			
SCM-APQ-INT	Interfaces			
0001511041	0003	New	C - Customizing	2 - Correction with high priority

Filter by solution, product system, technical system and date

Filter by application component

Structured recommendations

Integration of Change Request Management and Maintenance Optimizer

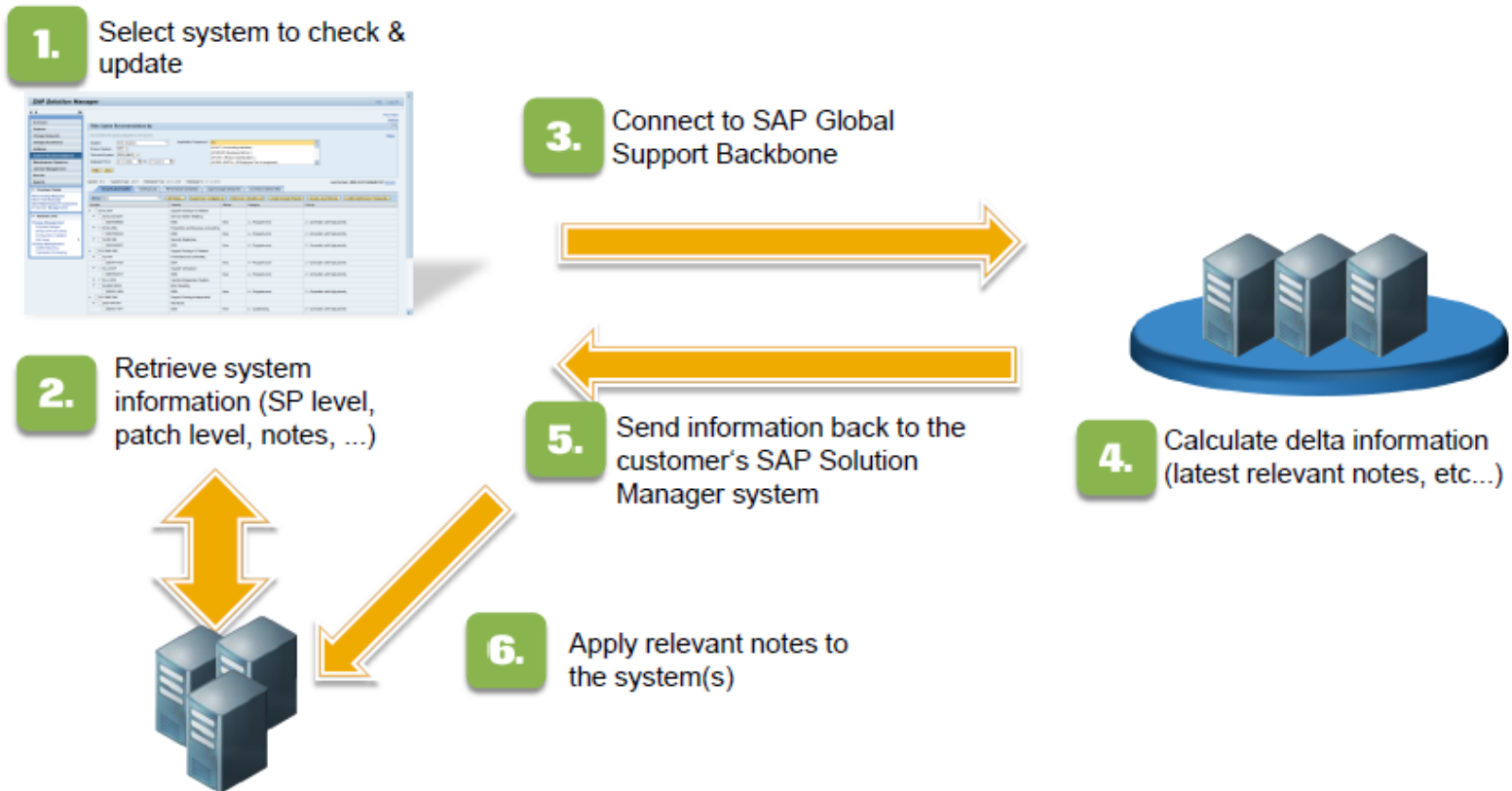
Set status for notes

System Recommendations

System Recommendations: Process Flow

Customer

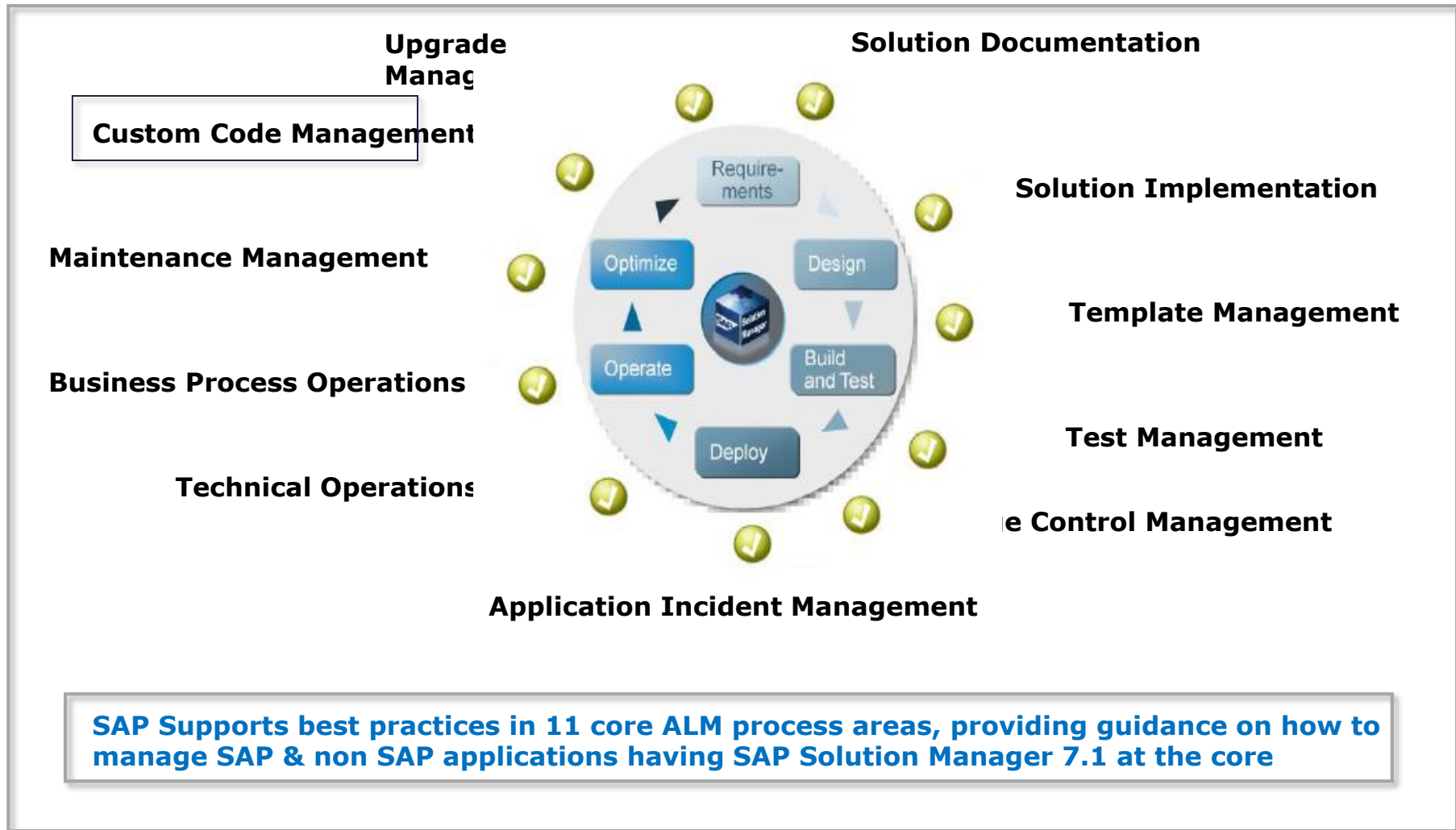
SAP





BREAK

SAP Solution Manager – Functionalities Overview



Custom Code Management – Custom Development Management Cockpit (CDMC)

Custom Development Management Cockpit

Promotion of Innovation & Protection of Investment

Solution: CDMC - „Usage / Clearing „

- Helps in identifying unused custom code as a basis for custom code effective retirement as part of Custom Code Lifecycle Management
- Leverage upgradeability of custom code based on transparency of used custom code

Solution: CDMC - Custom Code Change Impact

- Helps in identifying impacts of Lifecycle Change event such upgrade or SPs / EhPs implementation on custom code
- Leverage better planning & control of custom code adjustment activities

Solution: CDMC – Change and Transport Analysis

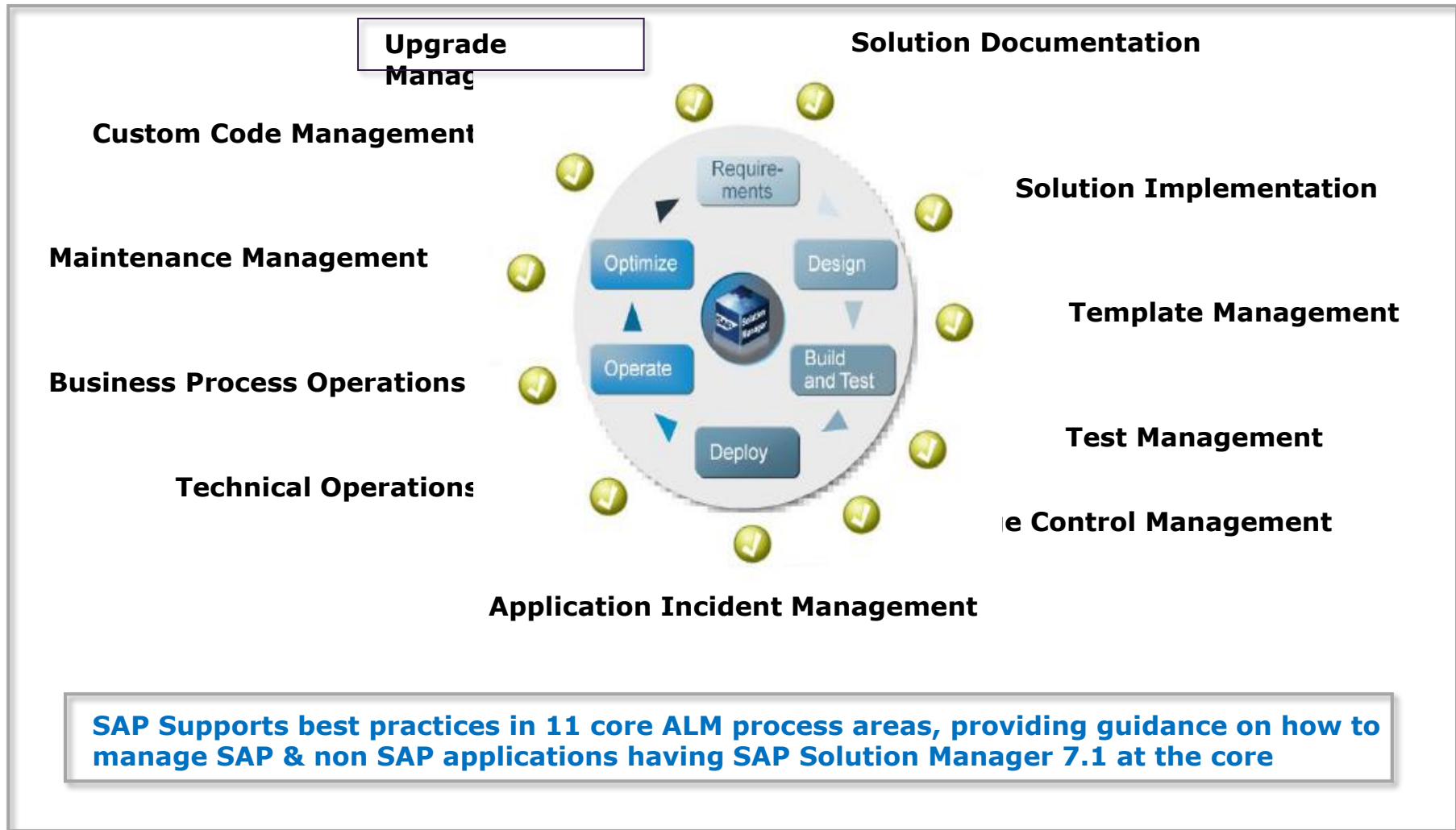
- Helps in identifying the usage information of testcase objects as part of test scope identification and test coverage analysis activities. Also helps in performing the remote comparison of the objects that are part of the transport request between the systems.
- Leverage quality checks for the transport request across systems.



Business Benefits

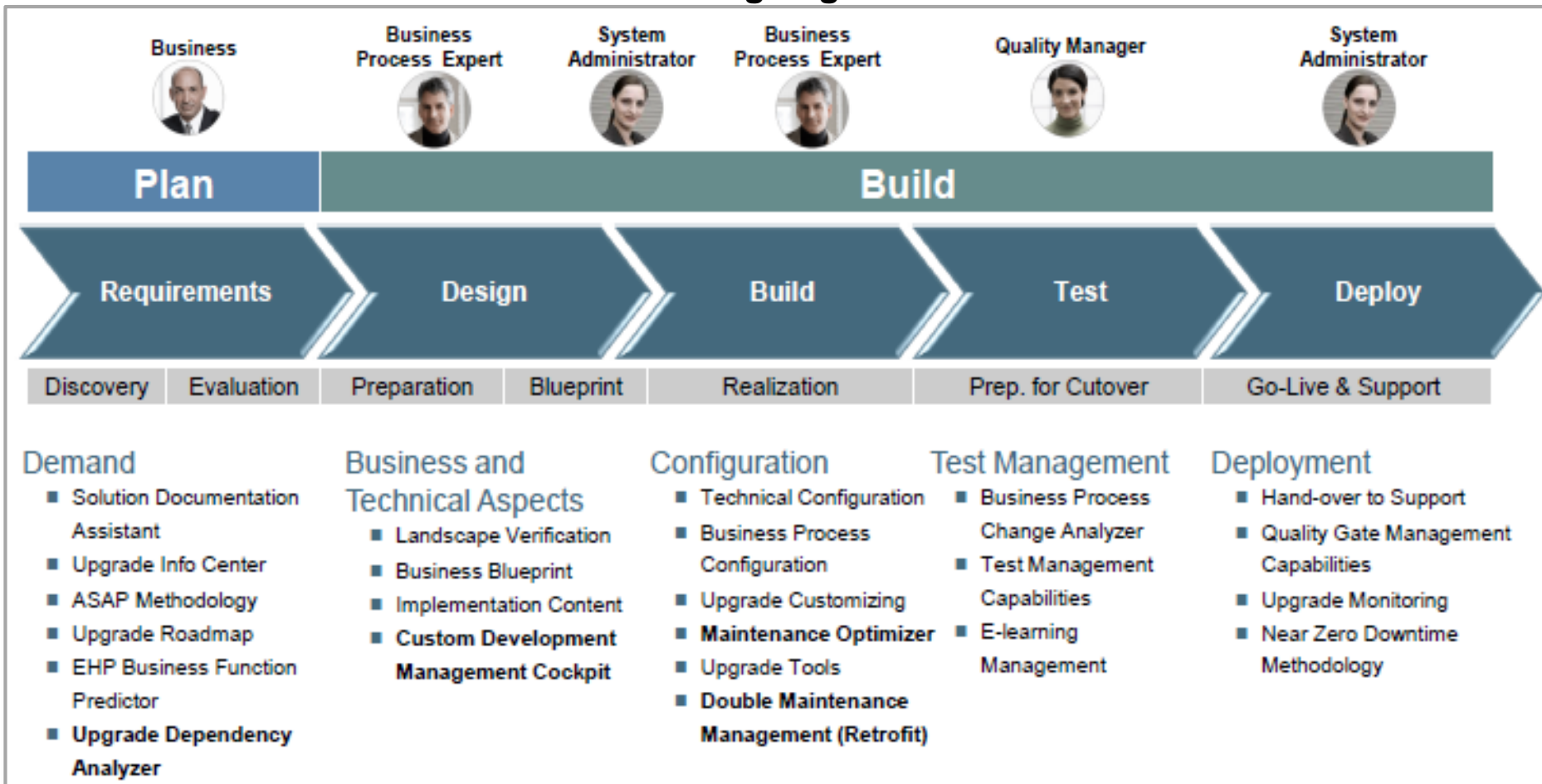
- Transparency on custom code and its usage along with the business context information.
- Big saving potential by clearing based on identified obsolete customer objects
- Accelerated Upgrade

SAP Solution Manager – Functionalities Overview



Upgrade Roadmap

SAP Solution Manager 7.1 supports upgrade project holistically and effectively end-to-end new and enhanced features in the areas high-lighted below



Upgrade Management Workcenter

SAP Solution Manager: Work Centers

Business Process Operations

Change Management

SAP Solution Manager Configuration

Root Cause Analysis

Data Volume Management

Implementation / Upgrade

Overview

Projects

Evaluate

Plan

Build

Going Live Preparation

Upgrade Analyses

Reports

Common Tasks

Show Roadmap

Maintain Project

Maintain Business Blueprint

Configure Business Processes

Manage Issues

Related Links

System Landscape

System Data Transfer

Project Administration

Copy Projects and Solutions

Learning Maps

Custom Development Management Cockpit


SAP Links

SAP Support Portal

SAP Help Portal

Upgrade Dependency Analyz...


SAP delivers business scenarios and processes within multiple tools and documents. This information helps you to evaluate your business processes.



SAP Business Maps

SAP Business Maps provide a platform for knowledge transfer, and act as a communication channel. They enable SAP, its partners, and customers to use a common language.

[Access Business Maps](#)




SAP Standard Scenarios

Process models help you define and model company-specific business processes for the business blueprint. Configuration information and best-practices offerings provide support when you implement the business processes in the system.

[Access Business Process Repository](#)


[Access SAP Best Practices](#)



Customer Business Maps

You can use this intuitive software to design customer-specific solution maps. You can draw up a new solution map from scratch or customize one of SAP's Solution Maps. Solution Composer lets you visualize an organization's business processes and plan new IT solutions.

[Download Solution Composer](#)




Customer Scenarios

The Solution Directory is a repository of processes and scenarios that are running in your production systems. You are able to copy processes and scenarios from your projects into the solution directory when you go live.

[Access Projects](#)

[Access Solution Directory](#)

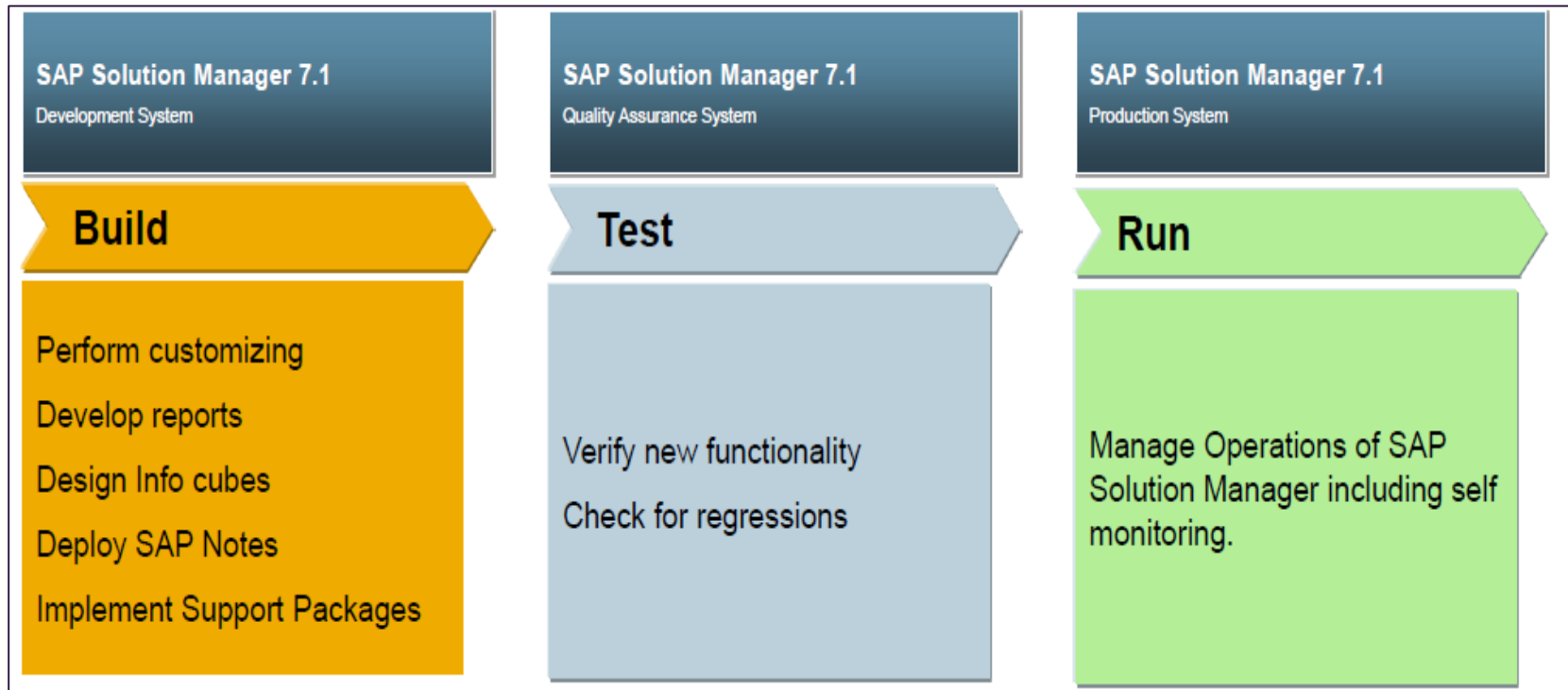


Business Function Prediction for SAP ERP

Business Function Prediction for SAP ERP simplifies the discovery of new SAP Innovations. It recommends the business functions delivered in SAP enhancement packages which are relevant to you. You can request this service which can help you to implement SAP enhancement packages for SAP.

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SAP Solution Manager Landscape design



To enable broad adoption, SAP recommends the best practice of a 3 – tier landscape.

A 2- tier landscape may be sufficient if no customizing or custom development is involved.

Thank You



Source : SAP AG , Service Marketplace,Capgemini Repository