SAP Solutions for Information Lifecycle Management

Overview in Detail

SAP

Agenda
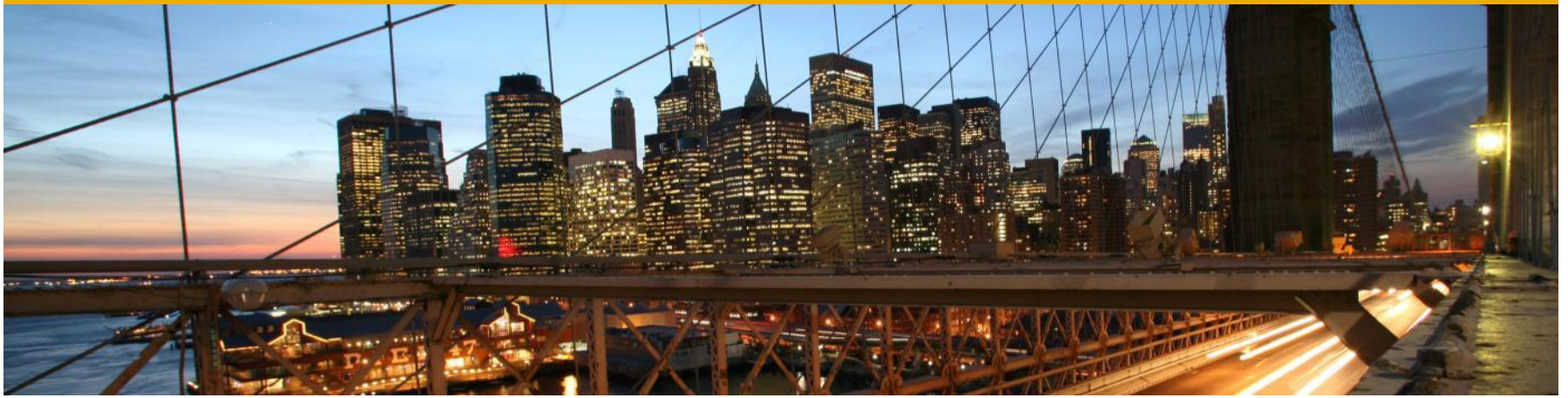
Customer Pain Points and Environment

Information Management, Information Lifecycle Management and Enterprise Content Management

Information Lifecycle Management Details

Information Lifecycle Management Benefits

Services and Partner Offerings

Summary

Customer Pain Points and Environment

Today's Information Management Challenges
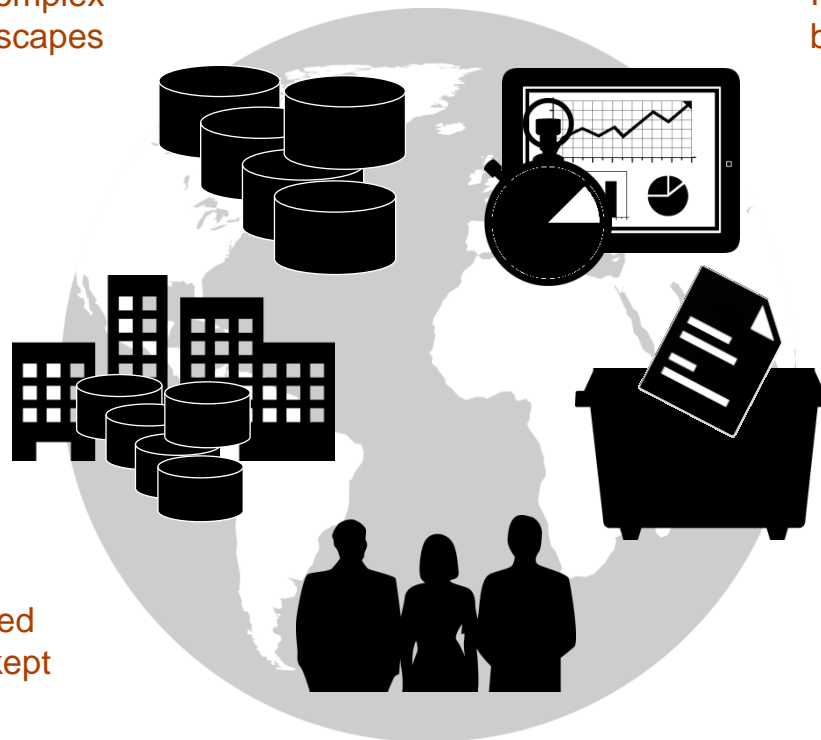

Large and complex system landscapes

Data volume growing exponentially

Content not retained for legally required duration, or kept too long

Inefficient paper-based processes

Content fragmented across applications and systems

Increased regulation requiring auditable content lifecycle records

Distribution of Storage Costs

" "

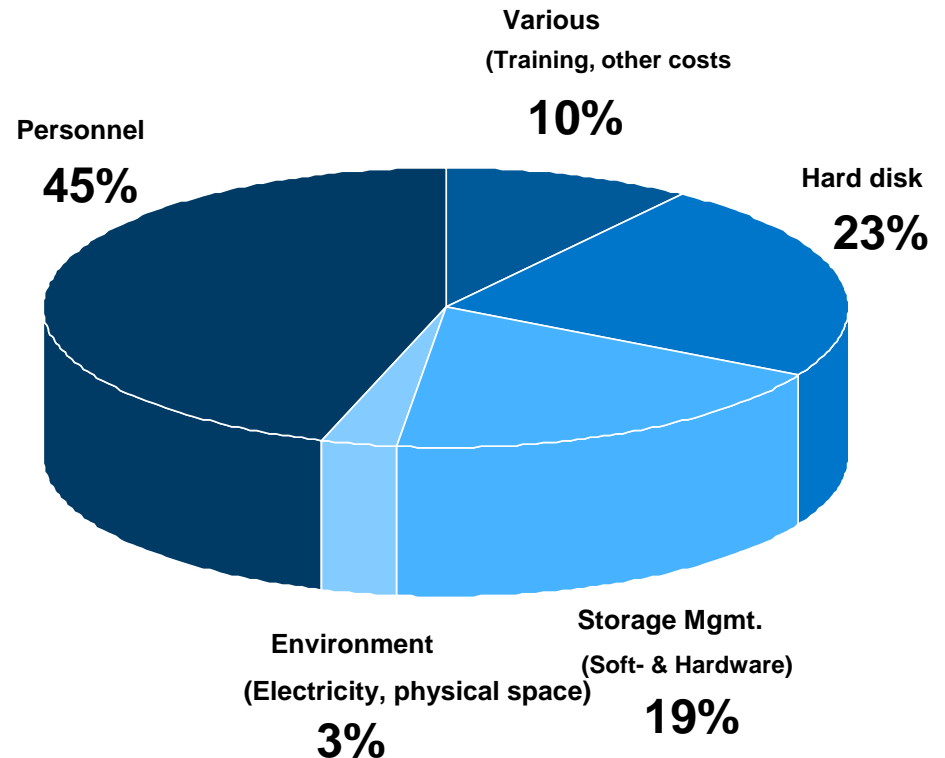Hard disk costs represent less than a quarter of storage costs.

Giga Information Group

Administration costs for 1 Terabyte storage are five to seven times higher than the storage costs.

Dataquest / Gartner

" "

Various
(Training, other costs
10%

Personnel
45%

Hard disk
23%

Environment
(Electricity, physical space)
3%

Storage Mgmt.
(Soft- & Hardware)
19%

Total Cost of Ownership (TCO) Per Legacy System

Hardware

Costs for Technical Infrastructure
- Computer Hardware
- Network
- End-User Environment
- Green-IT (Power consumption, cooling, etc.)

Software

Costs for System & Application Operations
- Computing Hardware
- End-User Environment
- Extended Maintenance Fees

Operations

Costs for System & Application Operations
- Monitoring
- Administration
- Problem Management
- Change Management
- Service Desk & Incident Management

Application Improvement

Costs for Continuous Improvements
- Process Design
- Organizational Changes
- Technical Setup
- Business Setup
- Project Mgmt.
- Testing & Training

Risk Assessment Matrix for Legacy System

Risk Assesment for Legacy Systems
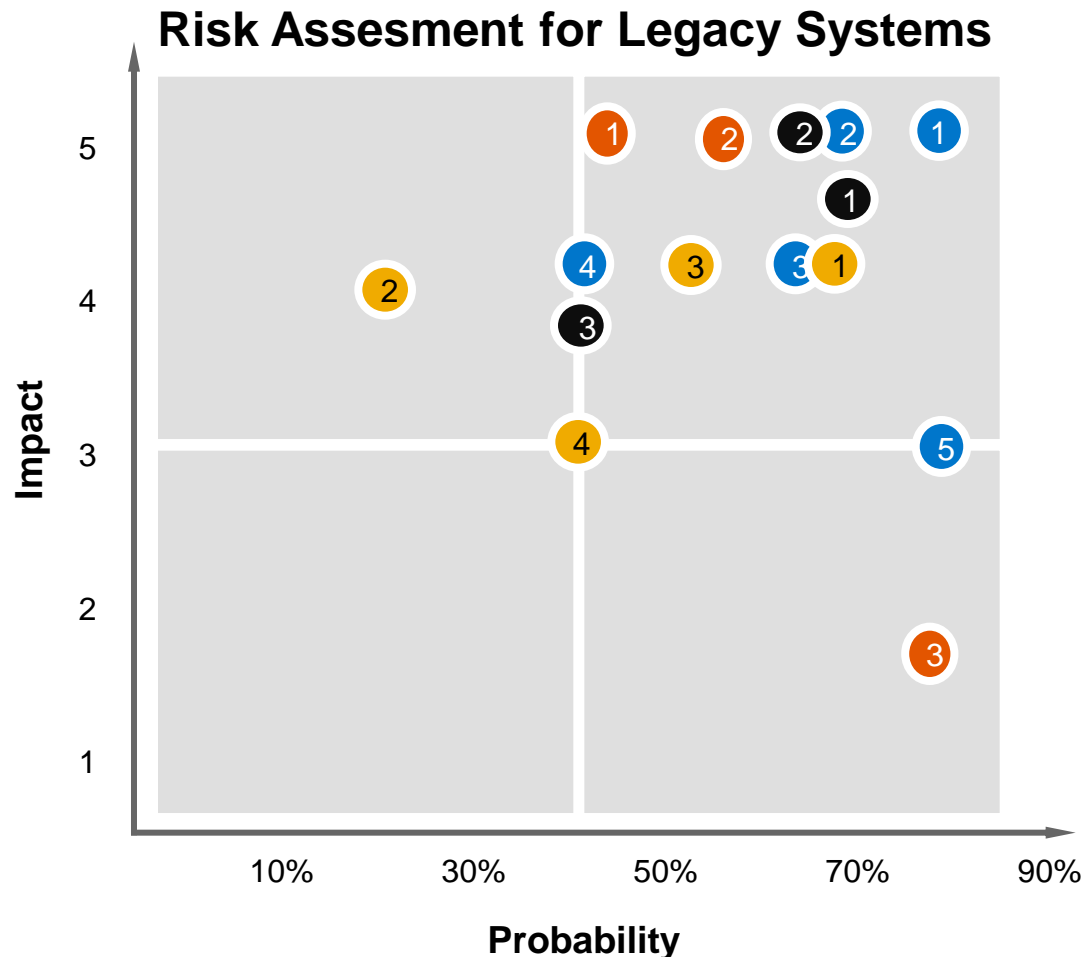
Hardware
1 – Reliability
2 – Spare parts
3 – Vendor support
4 – Loss of control
5 – Efficiency/ Green IT

Software
1 – Vendor support
2 – Manageability of data volume
3 – Compatibility hardware/ software
4 – Compatibility software/ software

Legal compliance
1 – Retirement process
2 – Data Provision not possible
3 – to much data provided

Business
1 – IT knowledge availability
2 – Process knowledge availability
3 – Invest in obsolete software

Retention Periods
Some Records Need to be Kept for More Than 50 Years

100 Year Archive Task Force

100 Year Archive Requirements Survey

January 2007

SNIA
DATA MANAGEMENT FORUM

"

**80% of respondents declared they have information they must keep over 50 years and 68% of respondents said they must keep it over
100 years**

SNIA: 100 Year Archive Requirement Survey

Long-term generally means greater to 10 – 15 years – the period beyond which multiple migrations take place and information it at risk
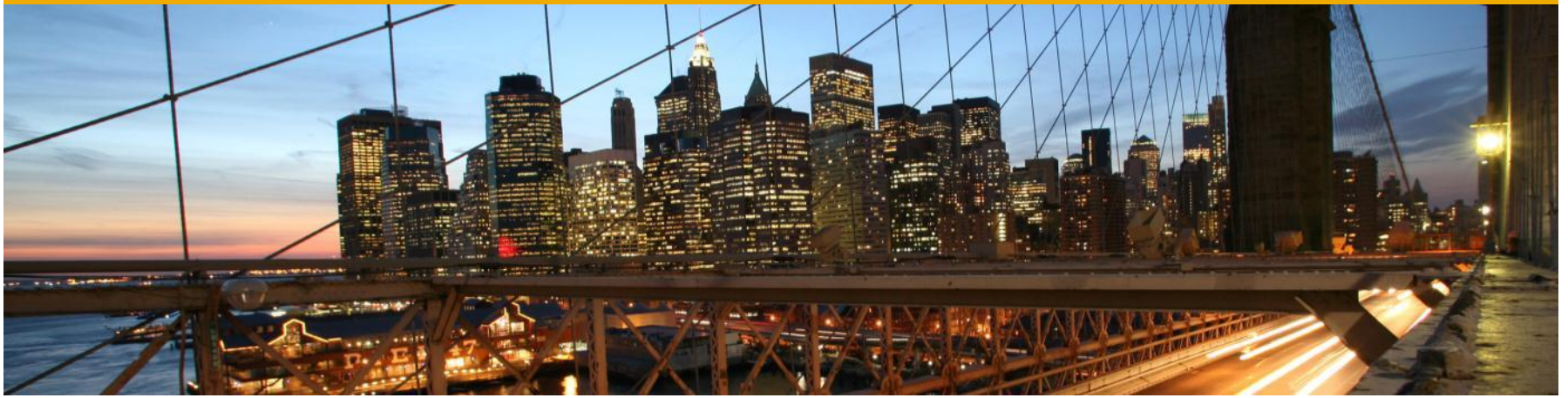
IDC Worldwide Enterprise Blackbook

Database information (structured data) was considered to be most at risk of loss

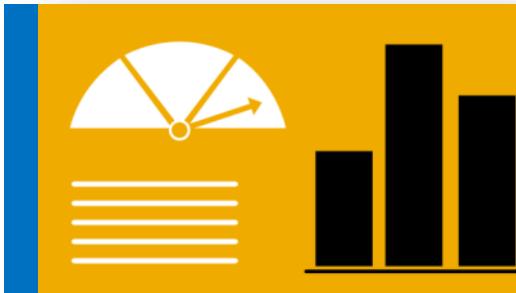SNIA: 100 Year Archive Requirement Survey

"

Source: SNIA: 100 Year Archive Requirement Survey, January 2007
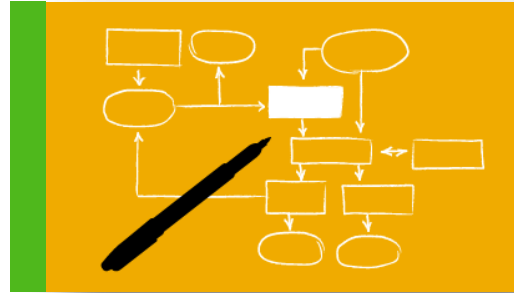
IM, ILM and ECM

SAP Solutions for
Information Management

Turn information into a strategic asset

Empower key decision makers with accurate analytics for Big Data
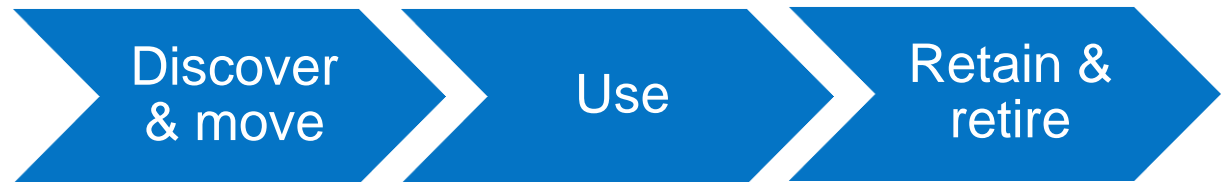

Ensure information governance at every step of the business process

Unleash the business value of unstructured information

SAP Solutions for Information Management Demystified

Customers want to manage data as an asset

Discover & move	Use	Retain & retire

To manage …

They need …

Analytical Data (HANA, DB, DW, 3rd Party)	Data Services	BW Near Line Storage
Process Data (Suite – ERP, CRM, etc.)	Enterprise Master Data Management	ILM Retention Management & System Decom.
Process Content (Suite – ERP, CRM, etc.)	ECM Solutions	

Content Management
Manage enterprise content in context of business processes

Old Paradigm	New Paradigm

Content Managed Separately from Core Business Processes

Content Integrated With Core SAP Business Processes
(e.g. FI/CO, MM, HCM, SRM, CRM)

Core Business Processes

Content – enriched Business Processes

Content

Preserve/Destroy

Create/Capture

Store/ Secure

Review/ Collaborate

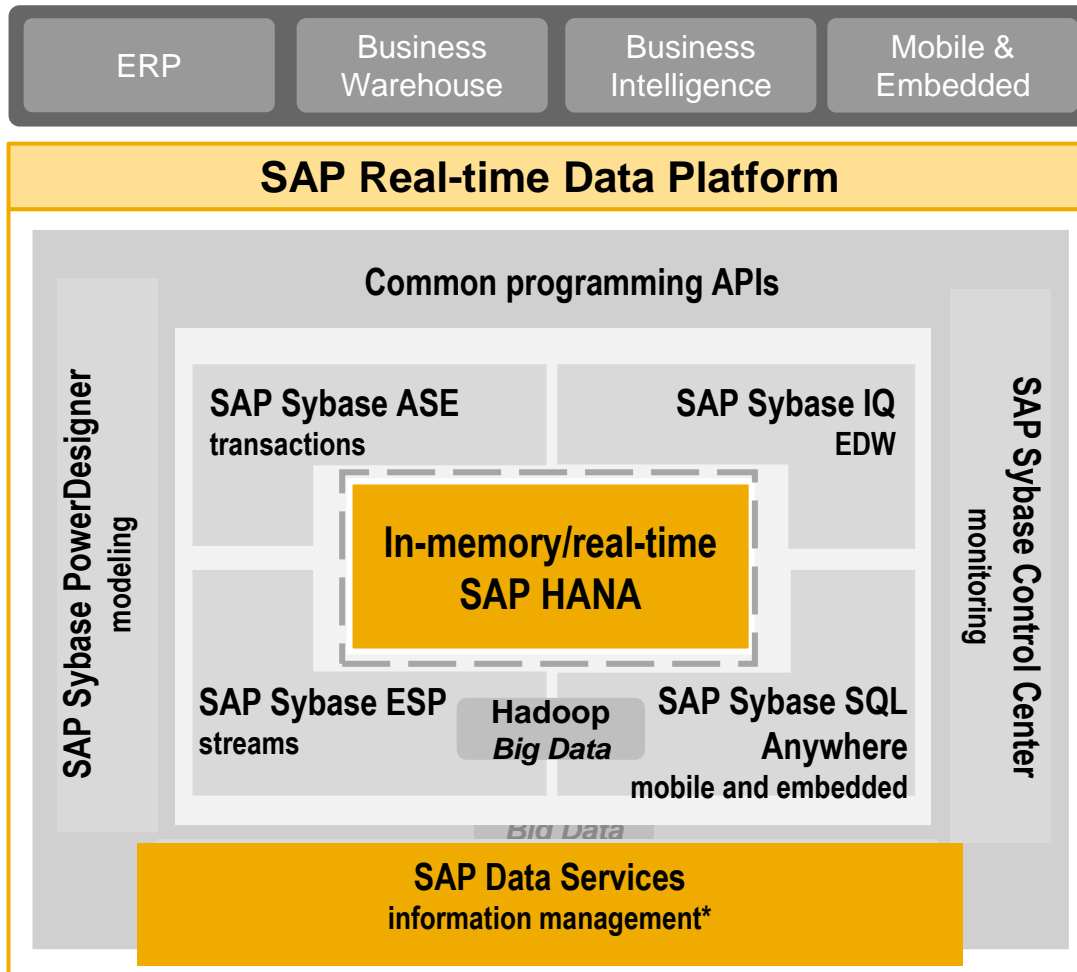**Access/Distribute**

Preserve/Destroy

Create/Capture

Store/ Secure

Review/ Collaborate

Access/Distribute

Next generation SAP Real-time Data Platform Vision
Unified Data Management Platform for real time business

ERP	Business Warehouse	Business Intelligence	Mobile & Embedded

SAP Real-time Data Platform

Common programming APIs

SAP Sybase PowerDesigner modeling

SAP Sybase ASE transactions

SAP Sybase IQ EDW

In-memory/real-time SAP HANA

SAP Sybase Control Center monitoring

SAP Sybase ESP streams

Hadoop *Big Data*

SAP Sybase SQL Anywhere mobile and embedded

Big Data

SAP Data Services information management*

* Information management solutions include: SAP Data Services Enterprise, SAP Enterprise Master Data Management, SAP Information Lifecycle Management, SAP Enterprise ECM solutions by OpenText, SAP Sybase Replication Server
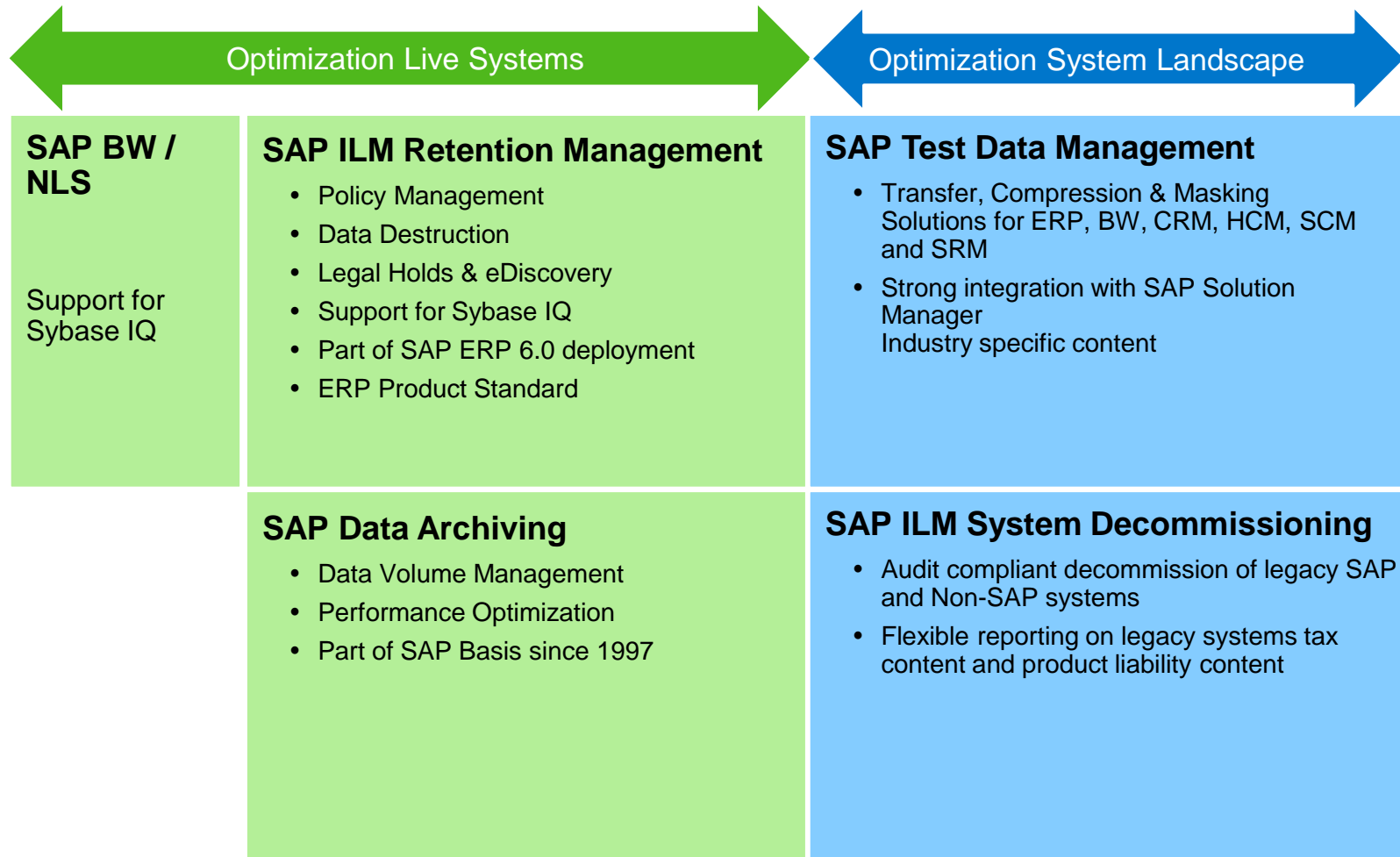
SAP RTDP Foundations

- **Cross-application data management & access** for new models of value discovery.

- **High-performance** on all classes of application and usage scenarios

Benefits

- Store, analyze, optimize, transact and mobilize without system limitations.

- Embrace and extend across variations of data forms and processing models.

- Common modeling, integrated development environment, shared systems management infrastructure and deployment independent solutions.

- Trusted and unified data environment.

SAP Solutions for Information Lifecycle Management

Optimization Live Systems | **Optimization System Landscape**

SAP BW / NLS

Support for Sybase IQ

SAP ILM Retention Management

- Policy Management
- Data Destruction
- Legal Holds & eDiscovery
- Support for Sybase IQ
- Part of SAP ERP 6.0 deployment
- ERP Product Standard

SAP Test Data Management

- Transfer, Compression & Masking Solutions for ERP, BW, CRM, HCM, SCM and SRM
- Strong integration with SAP Solution Manager
  Industry specific content

SAP Data Archiving

- Data Volume Management
- Performance Optimization
- Part of SAP Basis since 1997

SAP ILM System Decommissioning

- Audit compliant decommission of legacy SAP and Non-SAP systems
- Flexible reporting on legacy systems tax content and product liability content

SAP ILM in Detail

SAP Information Lifecycle Management

Information Lifecycle Management

Retention Management
Managing the lifecycle of data
of a live application system

System Decommissioning
**Managing the lifecycle of legacy data**
in a stand-alone ILM Retention Warehouse

- Data transfer from legacy systems to RW

- Definition of flexible ILM rules to control retention time and storage location of archived data

- ILM-conform storage of archive files on an ILM-certified WebDAV-Server

- e-Discovery and legal hold management

- Data destruction taking retention periods and legal holds into account

- Local or BW-based reporting

ILM Enhanced Data Archiving

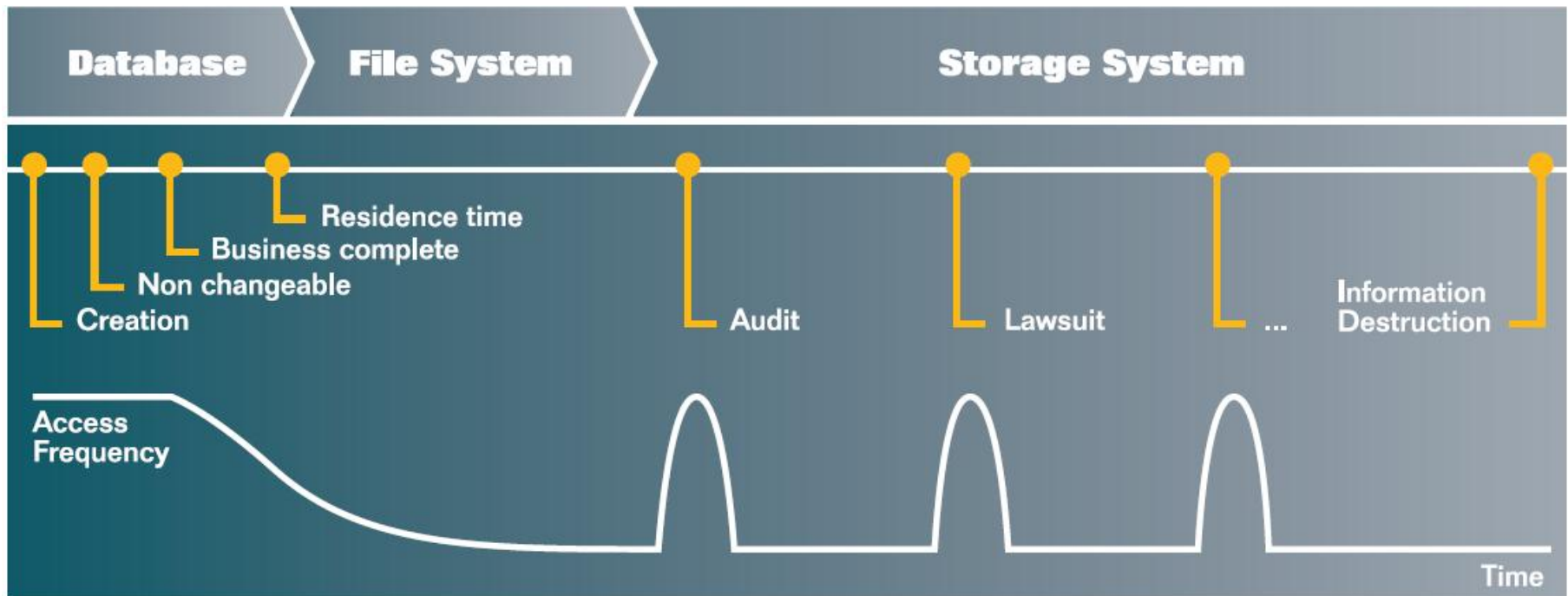# Evolution From Data Archiving to ILM
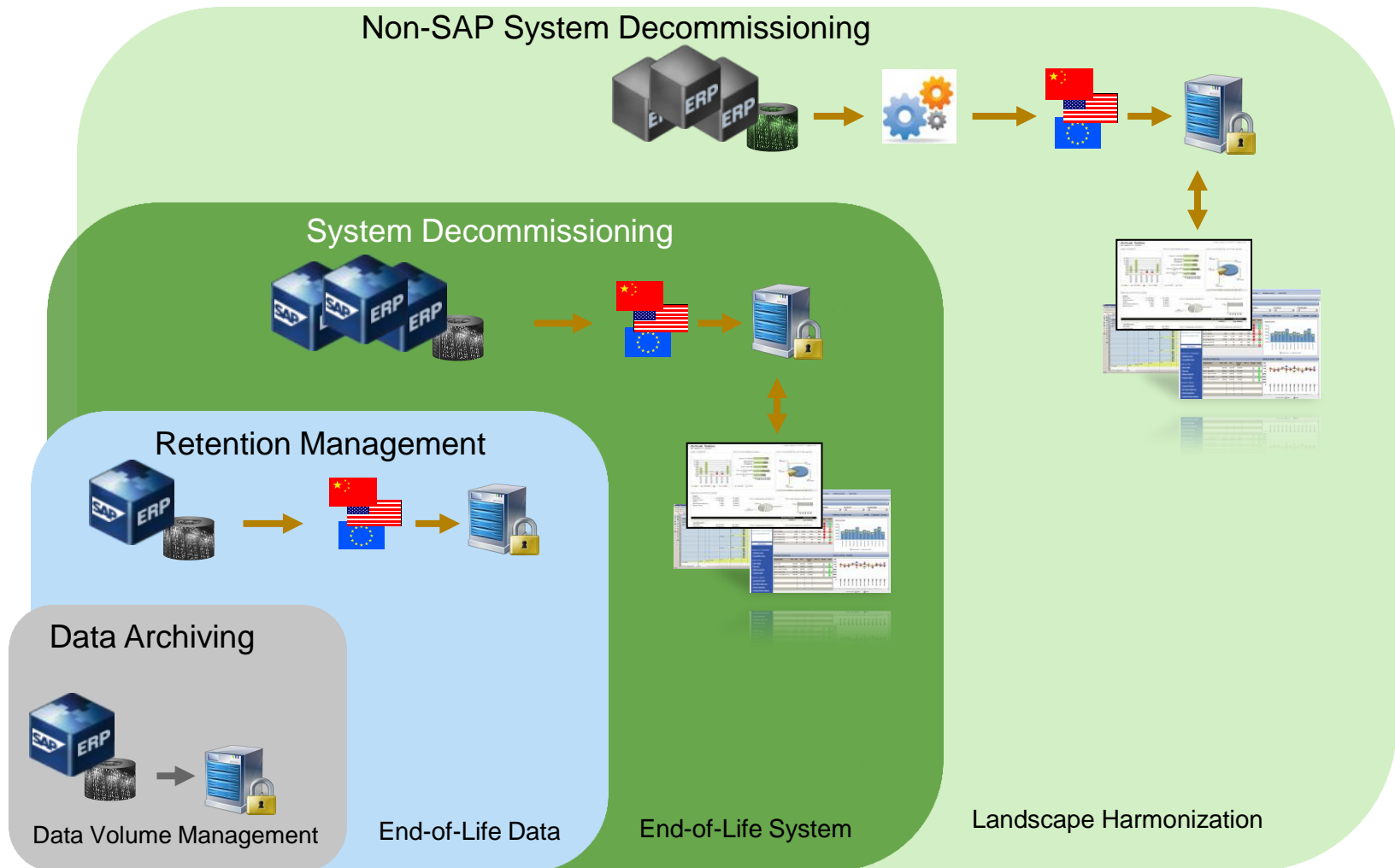
Archiving and System Decommissioning Core Scenarios

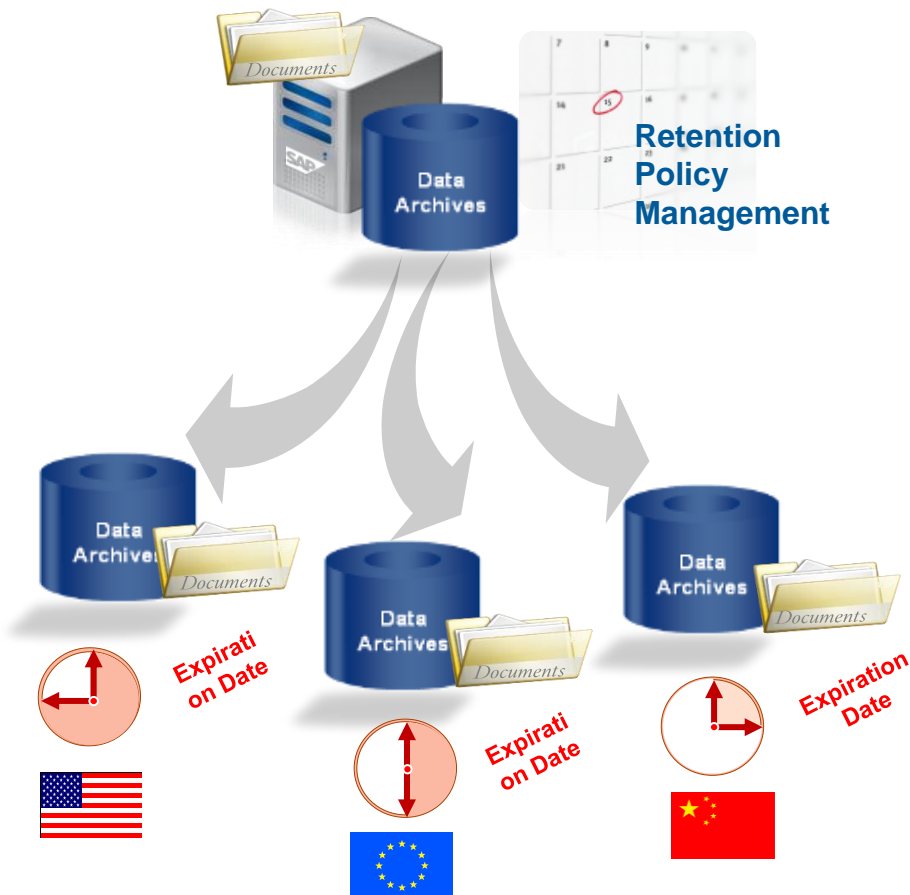| Scenario	Pain Point	Customer Value	Products
Archiving and Retention Management	▪ Growing SAP DBs ▪ Resource consumption ▪ Administration effort ▪ Legal requirements ▪ Litigation Hold	▪ Reduced IT cost ▪ Improved system performance ▪ Higher system availability ▪ Information preservation and destruction ▪ Legal compliance	▪ SAP ILM RM ▪ SAP Document Access
Legacy System Decommissioning	▪ Cost of legacy systems ▪ Historic data still needed for legal or business reason	▪ Information preservation and destruction ▪ Legal compliance ▪ Reduced IT cost	▪ SAP ILM SD
ECM Platform Consolidation	▪ Information silos ▪ Inefficient processes, missing information ▪ It landscape complexity (different vendors)	▪ Enterprise wide ECM Solutions ▪ ECM Consolidation ▪ End to End Process Efficiency ▪ Business User Efficiency	▪ SAP Extended ECM

End-to-End Coverage Throughout the Complete Lifecycle

Data Volume and Lifecycle Management

Archiving

Legacy system decommission

Retention Management

Current fiscal year	**Business and**
Current fiscal year -1	**legally relevant**
Current fiscal year -2	
Current fiscal year -3	**Business or**
	legally relevant
Current fiscal year -m	
	Neither business nor
	legally relevant
Current fiscal year -n	
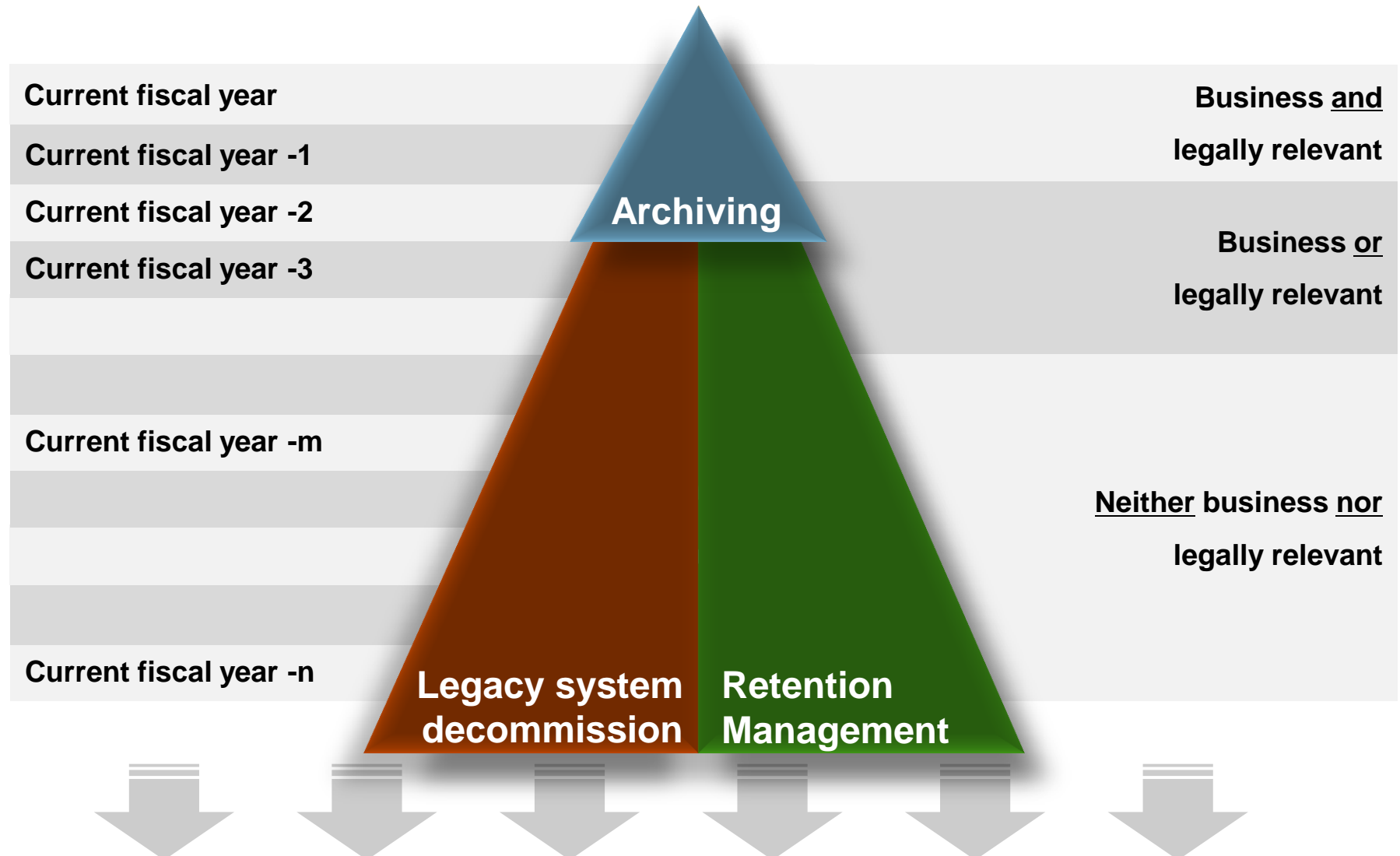
Managing the Amount of Time and the Location Where Data Is Securely Kept

Retention Policy Management

Expiration Date

Expiration Date

Expiration Date

Manage and enforce retention policies

- Set policies for automatic data retention and subsequent destruction
- Retain data according to set policy
- Responsibly destroy data when expiration date has been reached

Maintain Separate Archives per Retention Period

- Create multiple data archives for each data expiration date

Perform e-Discovery

- Search for information in response to legal requests

Apply Hold on Data

- Automatically prevent data deletion or destruction
- Apply holds to archives and current database
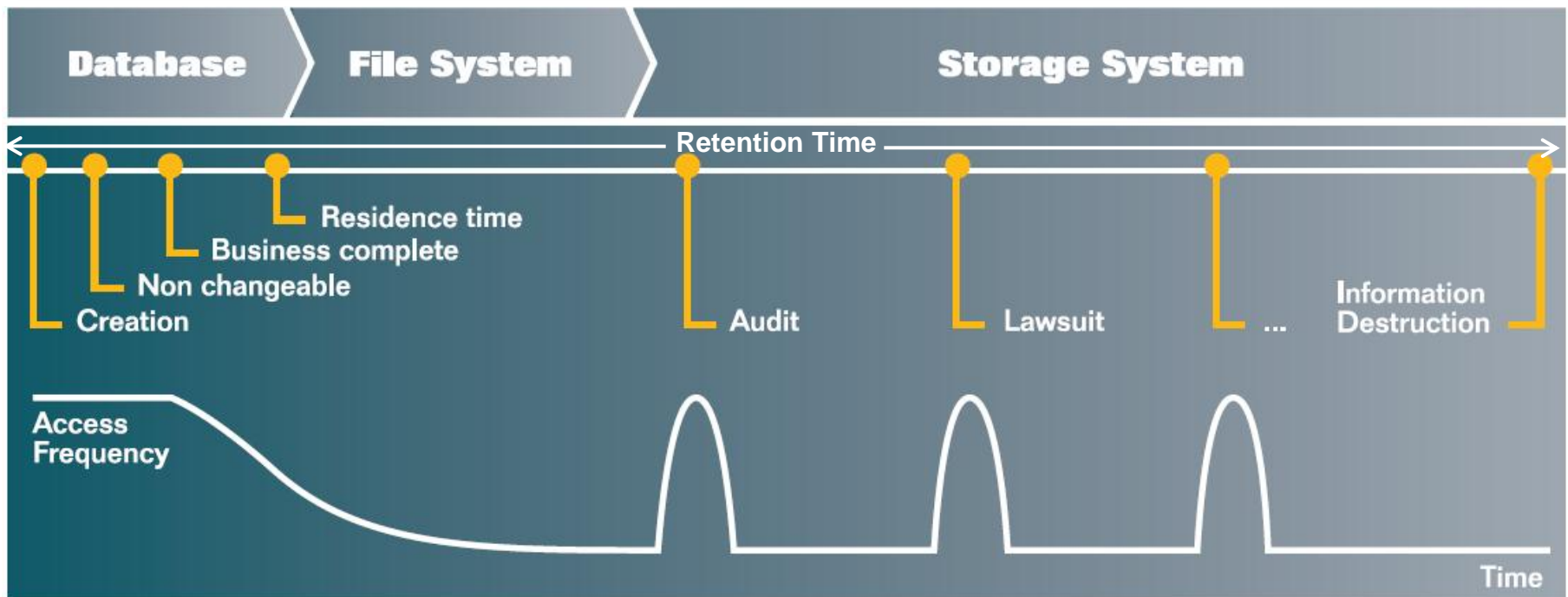
Retention Management Process

Set up audit areas → **Set up policies and maintain rules** → **Archive and store data** → **Destroy data**

Perform e-Discovery and set legal holds

Database → **File System** → **Storage System**

Retention Time

Residence time
Business complete
Non changeable
Creation

Audit

Lawsuit

...

Information Destruction

Access Frequency

Time

Retention Management – Overview

Runs on your live
SAP ERP 6.0 EhP 7

SAP ILM

LCM

IRM

Documents

Archive

SAP ILM WebDAV interface

Partner

OpenText
THE CONTENT EXPERTS

Enterprise Library

WORM-like Storage

Audit Area Management
- Including predefined audit areas

Policy engine (IRM)
- Manage policies and rules
- Import and Export of rules

ILM-enhanced archiving programs and functions
- Archiving programs integrate with policy engine for automated, rule-based archiving

Destroy Function
- Database
- Archive
- Attachments

Legal Case Management (LCM)
- Perform e-Discovery
- Manage legal holds

WebDAV-based ILM interface
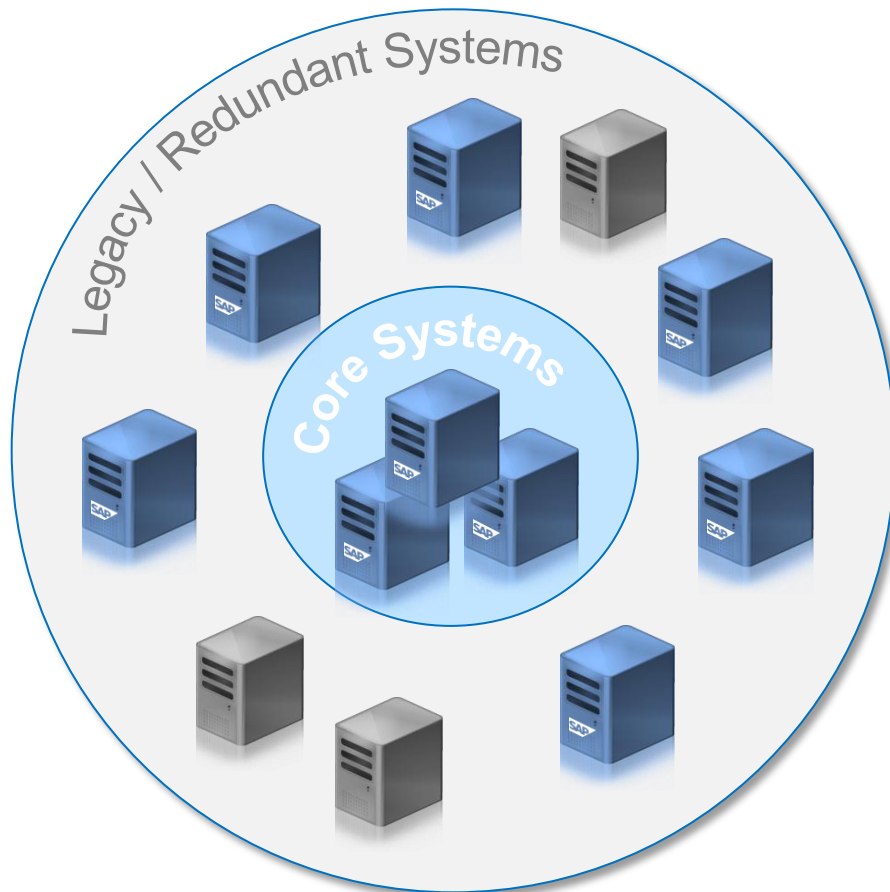- Connect to ILM-aware storage for secure and legally compliant retention of data

ILM-certified storage system
- Enforces retentions and holds, executes destruction
- Connect to WORM-like storage for secure and legally compliant retention of data

Legacy and Redundant Systems Proliferate within IT Infrastructures

Legacy / Redundant Systems

Core Systems

Consequence of normal business operations
- Acquisition of new systems during M&A activity
- System upgrades over time

However, decommissioning can be difficult
- Need access to data residing on legacy systems for financial reporting
- Legal regulations may require retention of data

Alternatives in Handling of the Legacy Systems

Based on the information contained in the systems each company has to assess which option is providing the largest cost-benefit ratio and the least risks

Never change the winning team.

Nobody will ask.

Keep the system available in the cellar.

Sort out and retain data.

© **Deloitte.**

IT Departments Need an Efficient Way to Manage Legacy Systems

SAP and Non-SAP

SAP ILM Retention Warehouse

TCO Reduction without losing auditing and reporting capability

- Consolidate multiple large legacy systems into one small modern instance called Retention Warehouse
- Retain on demand access to data from legacy systems
- Respond to tax audits and create financial reports

SAP ILM Retention Warehouse

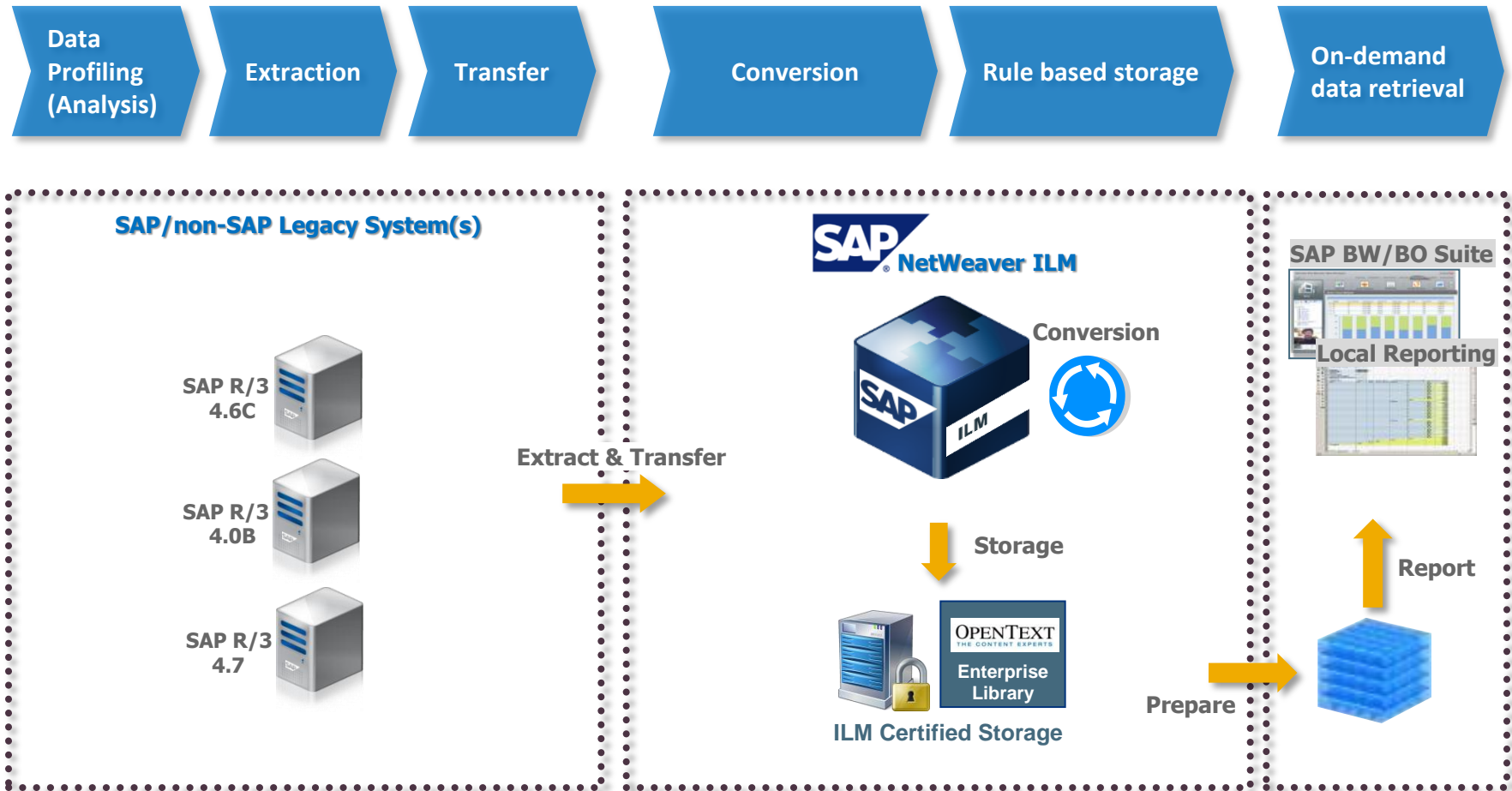**SAP Document Access by OpenText**

SAP BW and BOBJ Reporting
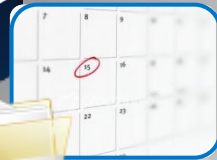
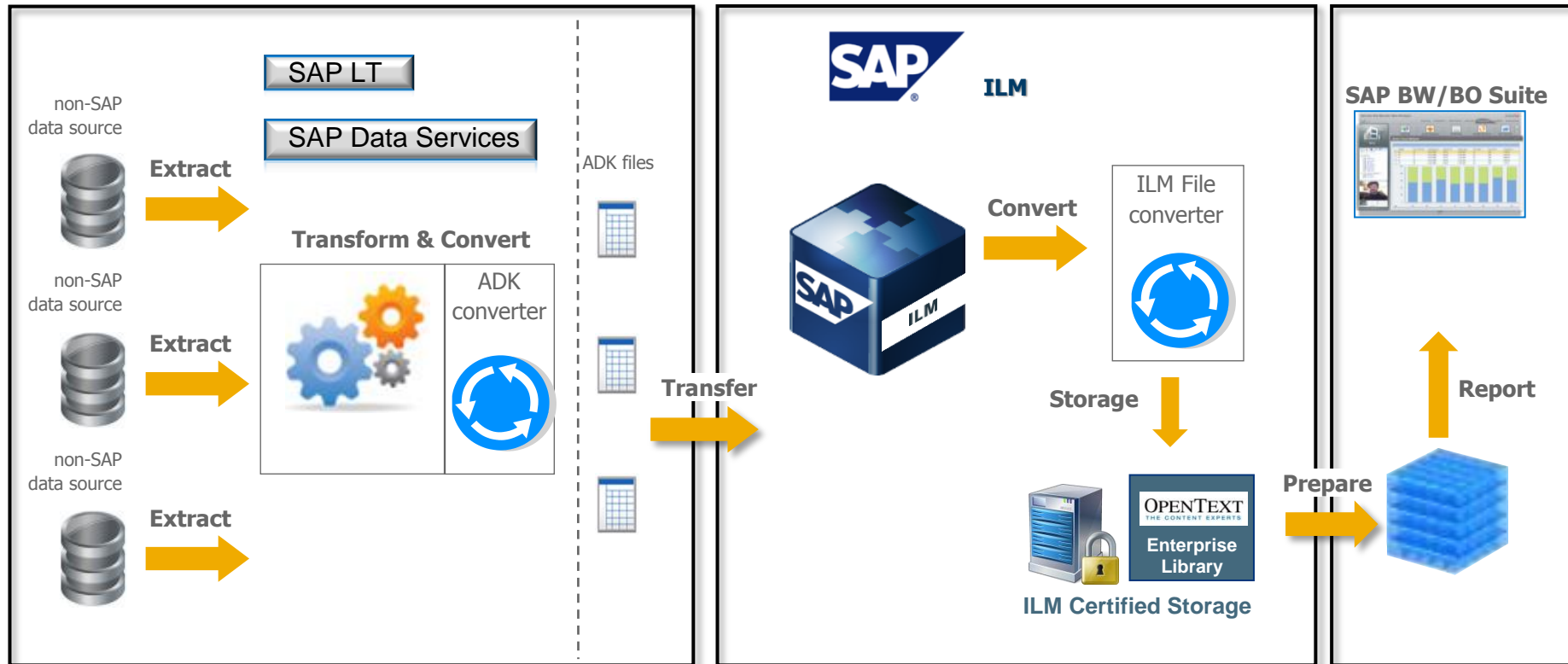**OpenText Enterprise Library Services**

Benefits

- One central retention warehouse = single repository for multiple systems
- Flexible and modern reporting capability
- Continued enforcement of retention policies
- Compliance and auditing acceptability
- Preservation of business knowledge

SAP Information Lifecycle Management
System Decommissioning Process

Data Profiling (Analysis) → **Extraction** → **Transfer** → **Conversion** → **Rule based storage** → **On-demand data retrieval**

SAP/non-SAP Legacy System(s)

SAP R/3 4.6C

SAP R/3 4.0B

SAP R/3 4.7

Extract & Transfer

SAP NetWeaver ILM

SAP ILM

Conversion

Storage

OPENTEXT
THE CONTENT EXPERTS
Enterprise Library

ILM Certified Storage

SAP BW/BO Suite

Local Reporting

Report

Prepare

End-to-End Approach for Non-SAP System Decommissioning

SAP Data Services
Integrate a variety of data from any data source

SAP BusinessObjects Data Services 4.0

Business *UI*
(Information Steward)

Technical *UI*
(Data Services)

Unified Metadata

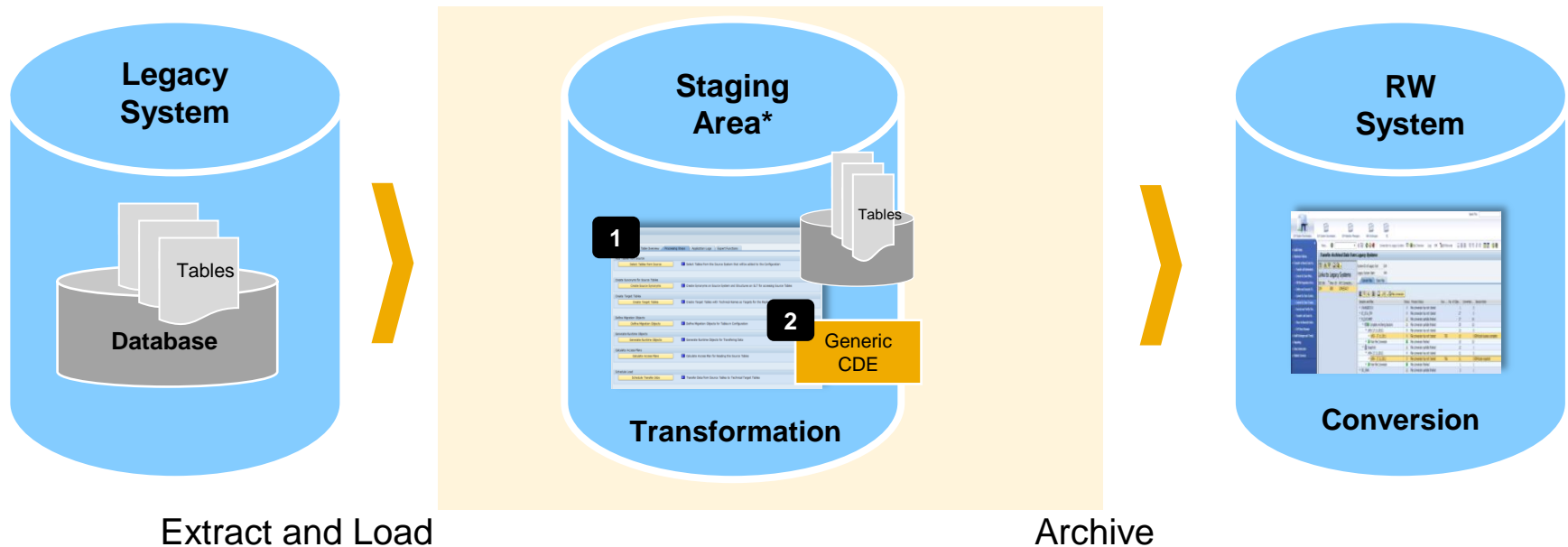**One Runtime Architecture & Services**

ETL
Data Quality
Profiling
Text Data Processing

One Administration Environment
(Scheduling, Security, User Management)
One Set of Source/Target Connectors

- One Solution that Provides
  - Data Integration
  - Data Quality
  - Text Data Processing
- One server to execute all capabilities
- One design environment to manage all of the development
- One administration console to monitor all functions

Streamlined System Decommissioning
More Automation, Higher Data Quality with SAP LT

Legacy System

Tables

Database

Extract and Load

Staging Area*

Tables

1

2

Generic CDE

Transformation

RW System

Conversion

Archive

1

1. Select tables from source
2. Create synonyms
3. Create target tables
4. Create transformation environment (migration objects, runtime objects, access plans)
5. Load data

2

1. Identify database tables
2. Create archiving objects
3. Generate code for write program
4. Extract and archive data
5. Transfer archive files to RW

*SAP Landscape Transformation system

Transformation of Legacy Data Using SAP LT

Rapid and Cost-Efficient System Decommissioning with SAP LT

Previous Solution

Solution with SLT

Labor intensive and error-prone processes for data mapping, data transfer, and archiving

Highly automated processes, no manual effort required

Tables to be considered for retirement must be selected individually

All tables in the system are considered, de-selection possible

Manual selection of tables related to a transactional table (audit area creation)

Automatic selection of all related tables based on enhanced metadata

Longer decommissioning project lifecycle

Shortened project lifecycle realizing benefits of decommissioning sooner

More costly decommissioning project

Reduced project costs

Holistic Archive Store Based on SAP Sybase IQ

ERP

Archiving / ILM Framework

DB

Store

3rd Party Store

BW

NLS

DB   **IQ**

SAP Labs preview*

ERP

Next Gen ILM Framework

DB

3rd Party Store (optional)

Sybase IQ

AS*

Arch Data

write-once space

BW

NLS

DB

*Note: Current state of planning. Subject to change.
** archive information structures
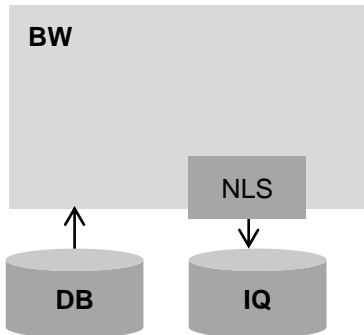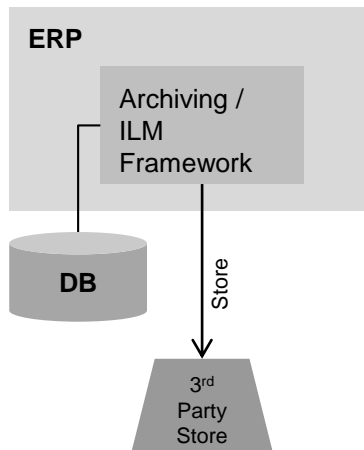
Classic storage in ERP and BW

Storage of operational and analytical data in Sybase IQ

SAP ILM Retention Management on Sybase IQ
Benefits at a Glance

| SAP ILM RM | + | SAP Sybase IQ | = | **One** point of contact (vendor) **One** storage infrastructure **One** archiving strategy |
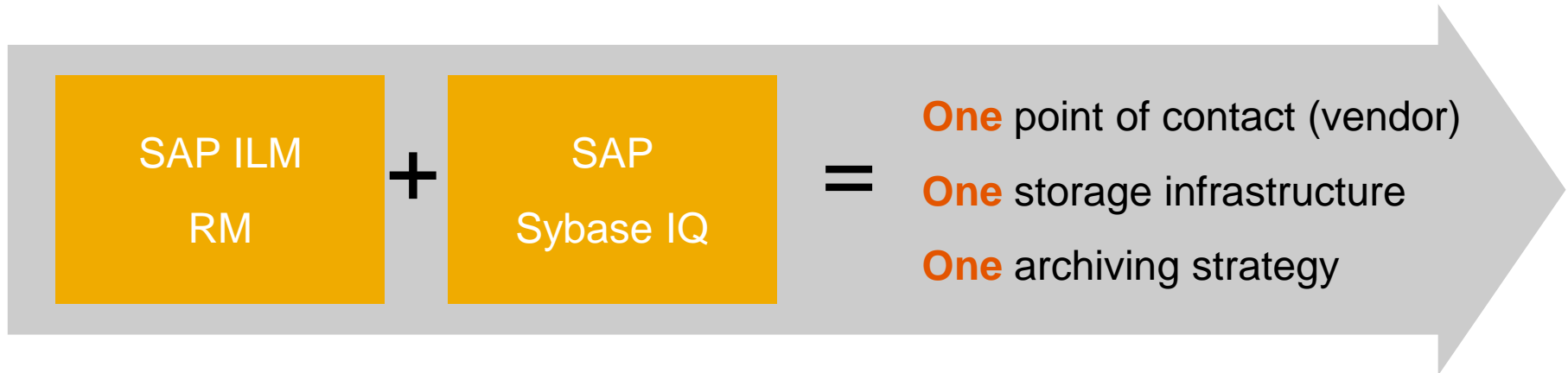
Innovation

- Store and manage your archive index and data on column-based DB

- Eliminate costly 3rd party compliant store SW and HW

- Consolidate your storage infrastructure

Benefits

- Reduce system landscape complexity

- Increase performance for archiving and data access

- Increase search capabilities

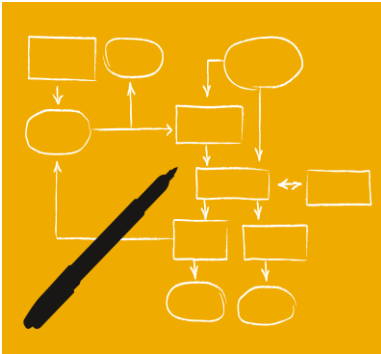- Optimal data compression

- WORM-like security
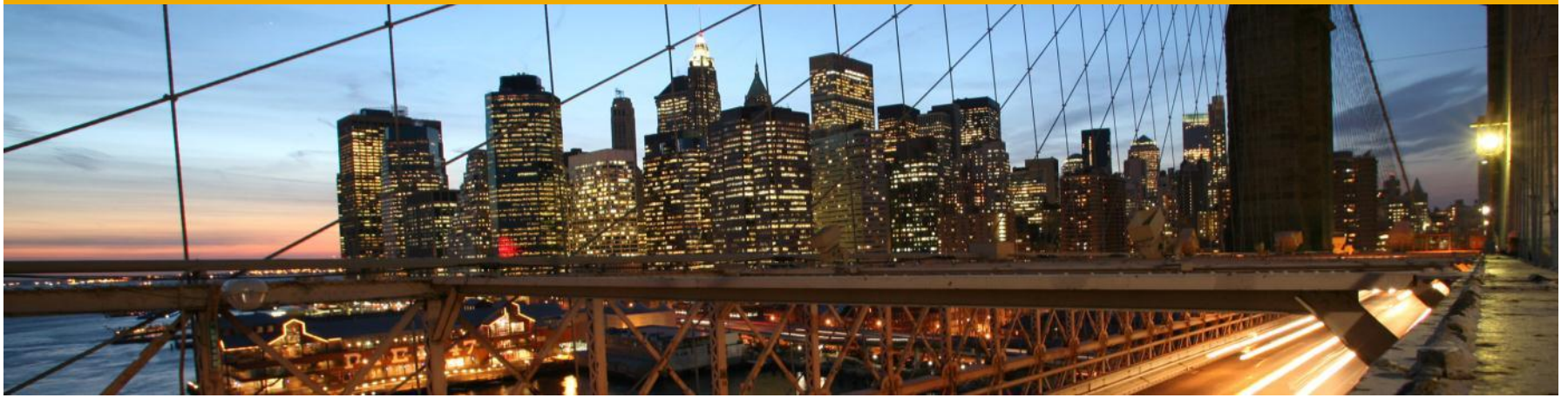
SAP ILM Benefits

SAP Solutions for Information Lifecycle Management
Reduce Complexity and Cost, Enable Compliance

Complexity

- Live Data Volume
- Legacy System
- Decommissioning
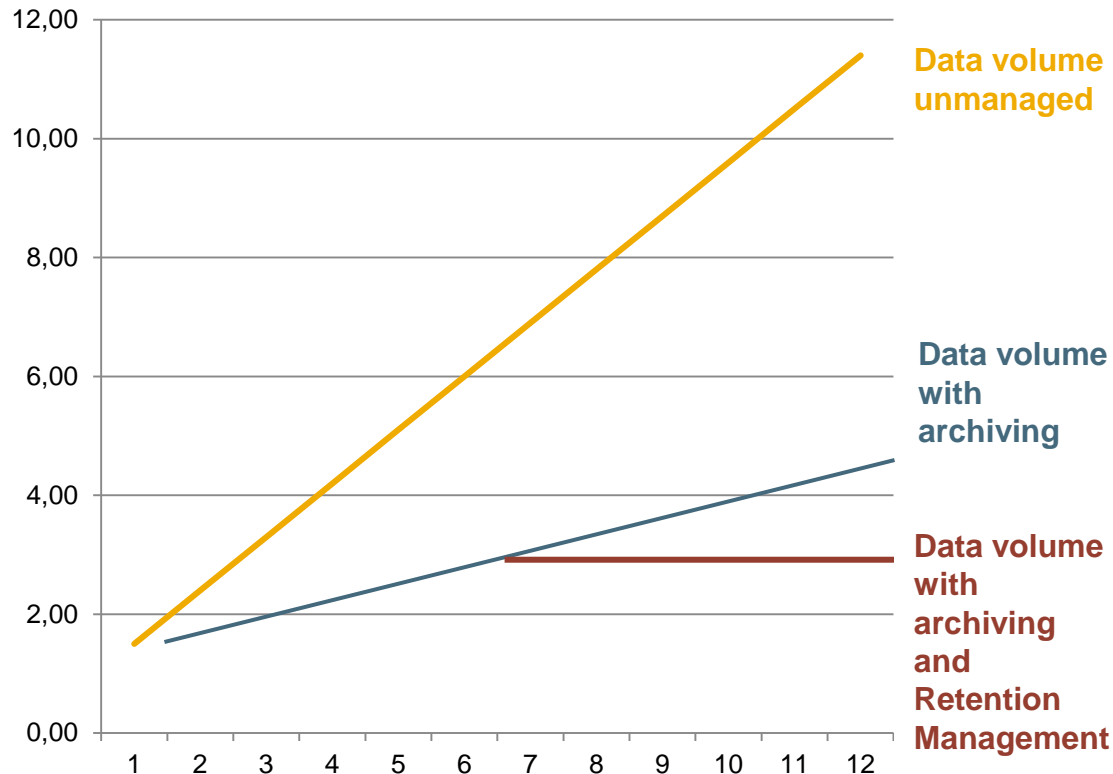- Non-Production Systems

Cost

- Reduce amount of Data
- Reduce amount of Systems

Compliance

- Records/Retention Management
- Data Destruction (part of Data Privacy)
- eDiscovery
- Litigation Readiness

Three Scenarios For Data Growth and Data Volume

Data volume unmanaged

Data volume with archiving

Data volume with archiving and Retention Management

Chart axis labels (y-axis): 0,00 · 2,00 · 4,00 · 6,00 · 8,00 · 10,00 · 12,00
Chart axis labels (x-axis): 1 2 3 4 5 6 7 8 9 10 11 12

Example:
- 3 systems incl. replications
- 24 month residence time
- 6 years retention time
- 300GB yearly growth

Result:
- With data archiving significant reduction in data growth and data volume
- With Retention Management stabilization of data volume

Retention Management Benefits

| …e-discovery	1 GB of data = $1,800 (Forrester Research) 1 TB system = $1,800,000 x 500 law suits at any given time (Fulbright & Jaworski 2006)
Appetite for Destruction, Information Week, June 2008	" DuPont estimates that during one law suit, e-discovery cost $11 million. In that same discovery effort, DuPont found that $4 million to $6 million worth of records had already met their retention deadlines and should have been destroyed
…no penalties in law suits	Audit Trail • Transparent and comprehensive policy management • Approved by tax auditor and legal counsel • Data securely erased beyond any type of forensic recovery
Data Destruction and Document Lifecycle Policies: Considerations for Compliance with Federal Mandates and Acts, CyberScrub 2006	" A company fined $94.4 million! If the outdated email had been automatically destroyed as a matter of policy, they would have been able to counter successfully that they could not produce what they did not possess.
…IT and storage	Holding data beyond its retention period has no value Use of resources, system availability, performance
…legal compliance	Certain laws require you to destroy data after retention is up Sarbanes-Oxley, HIPAA, FACTA, Gramm-Leach-Bliley (GLB), etc. Avoid penalties for not complying with the law

System Decommissioning Benefits

Reducing System Complexity

- Reduced efficiency of operations (e.g. system backups)
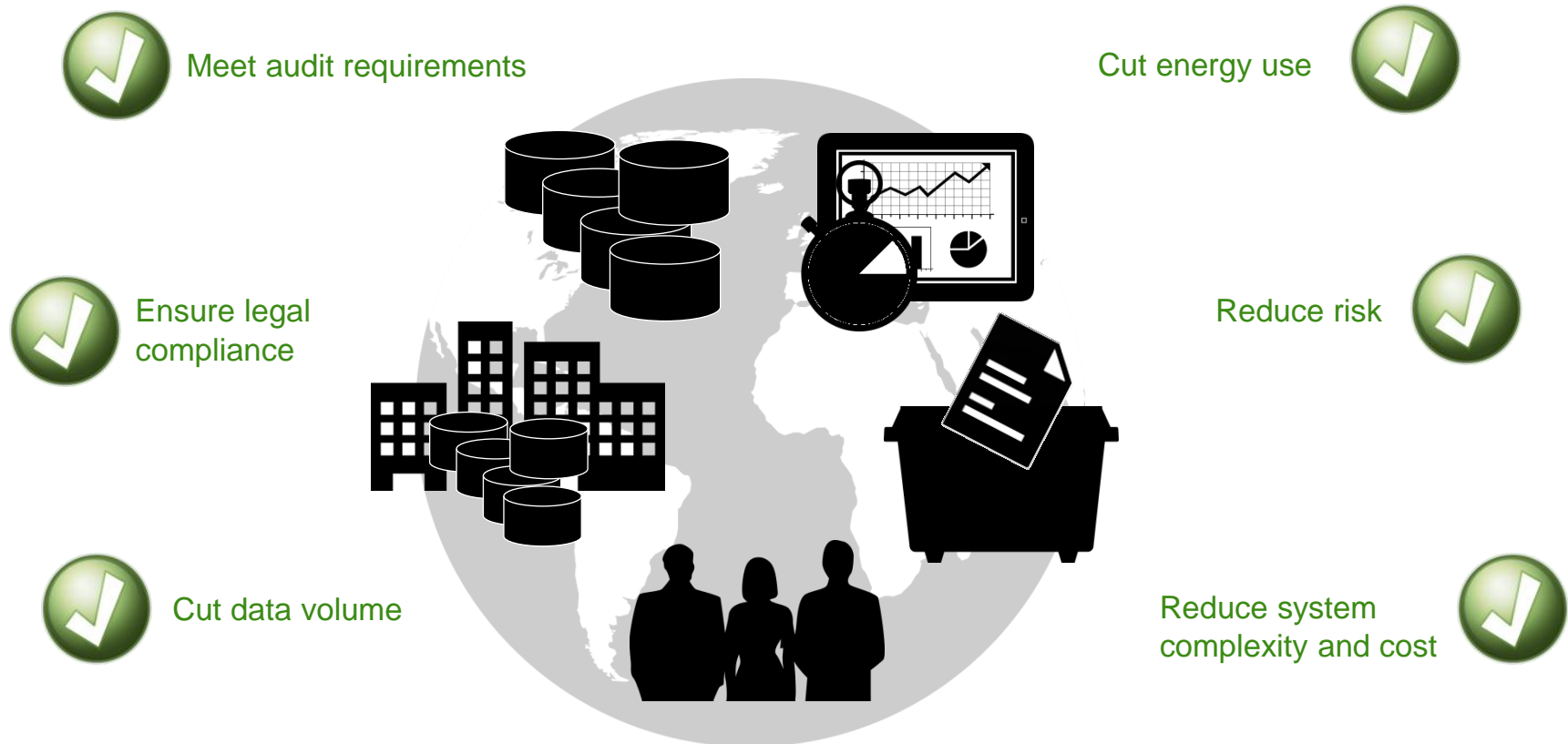- Reduced overall system reliability

Growing Maintenance Costs

- Costs of hardware and personnel to keep legacy systems running (keeping a legacy system running can easily cost $10K / month)
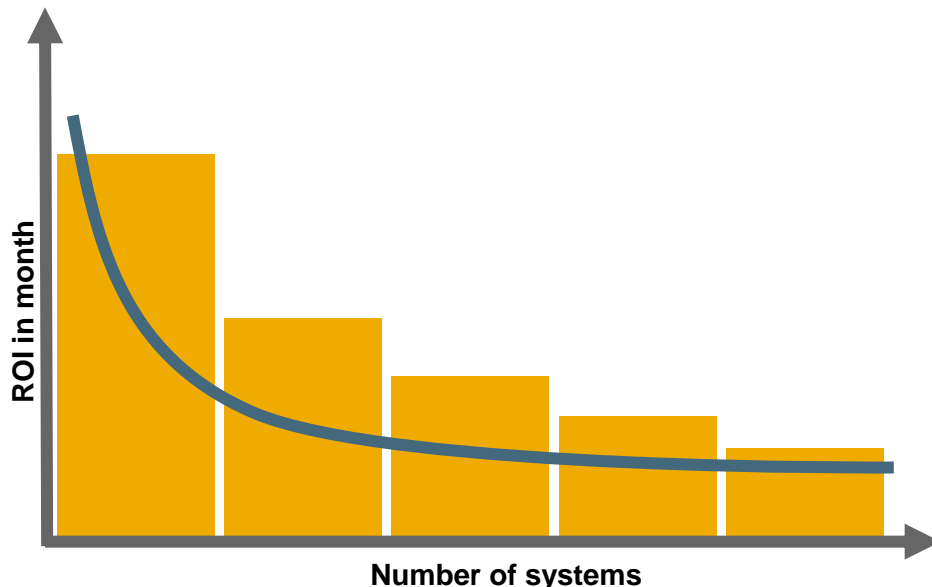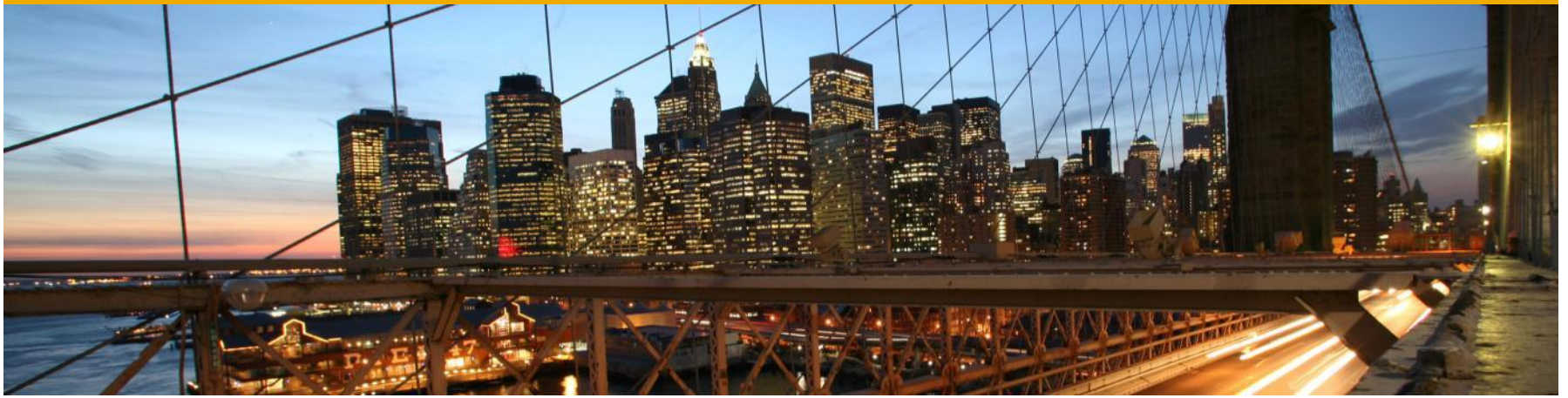
Wasteful Energy Footprint

- Old legacy systems are inefficient and consume unnecessary energy for operations and cooling (energy costs per legacy system can be up to $1,000 per month)

ROI in month (vertical axis)

Number of systems (horizontal axis)

The Benefits of Holistic Information Management

Meet audit requirements

Cut energy use

Ensure legal compliance

Reduce risk

Cut data volume

Reduce system complexity and cost

Services and Partner Offerings

What Should Your Strategy be Now?

Quick wins **Midterm strategy** **Long-term strategy**

Vision

Legal Compliance

Data Governance

- Legal retention requirements
- Legal case management
- Automated data destruction
- Policy based data management
- ECM
- ILM as central enterprise service
- Archiving
- Legacy system decommissioning
- Data Archiving

TCO Reduction **Optimized IT, Green IT & Sustainability**

Public   44
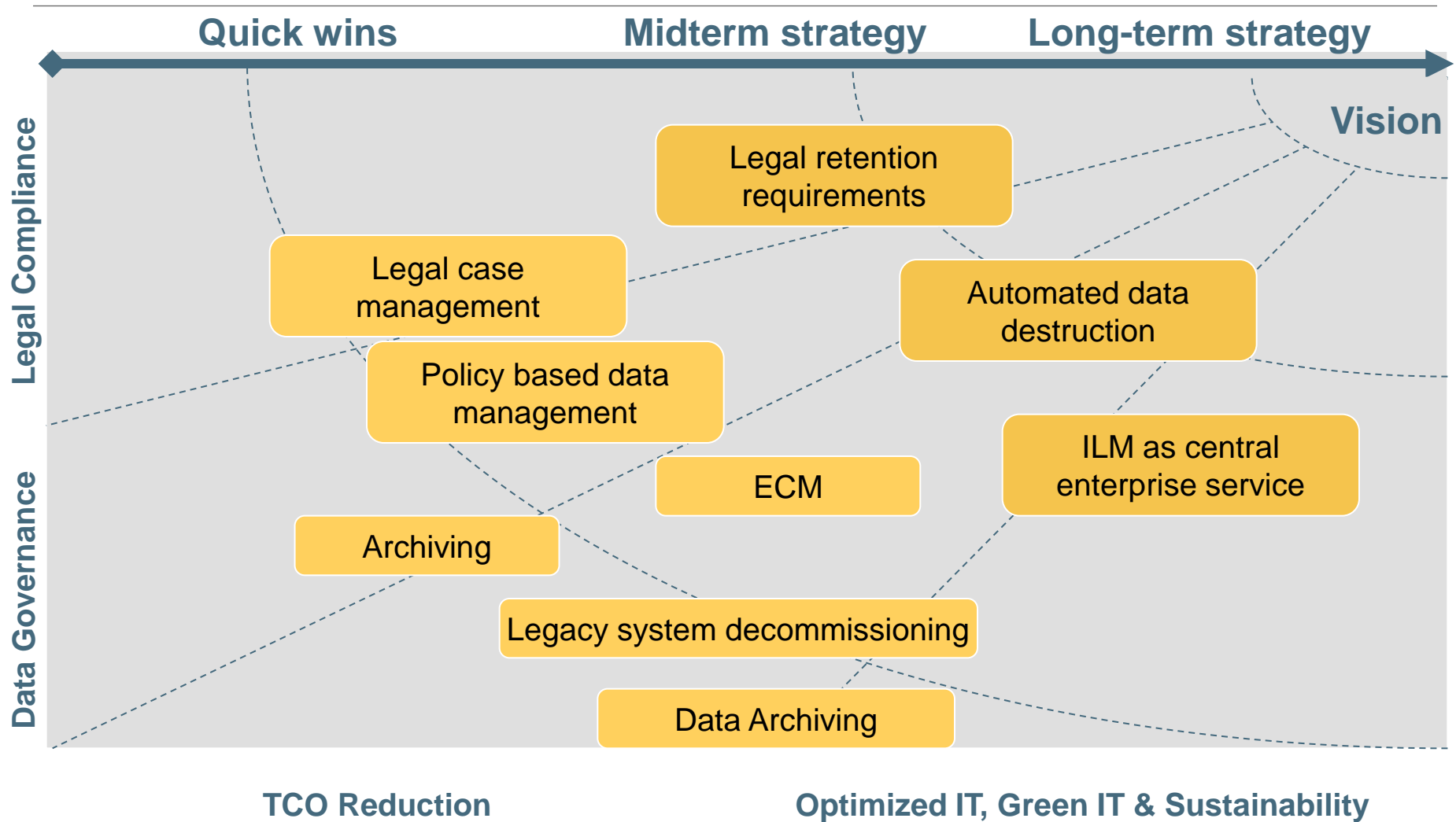
SAP Information Lifecycle Management Customer Story

Pharmaceuticals

Key figures

- First system: SAP R/3 4.6C
- Data retention times: 5-33 years
- Total number of systems planned: 135
- Special reporting requirements: FDA

A leading German pharmaceuticals company recognized the need to streamline its system landscape in a legally compliant manner and became a ramp-up customer for SAP Information Lifecycle Management. They started off with decommissioning a SAP R/3 4.6c system and are currently rolling out the strategy to other systems worldwide.

Their decommissioning project had the following objectives:

Manage long-term data and document storage and reduction of data volumes

Reduce overall system and storage costs

Comply with legal and audit requirements according to defined records management policy

Use standardized and flexible reporting mechanisms for legacy environment independent of different system types and releases

Automate the destruction of data when appropriate and in accordance with policies and guidelines

Concept Review of SLO Services with SAP ILM by Deloitte & Touche

Challenges for SAP customers

- Customers require a global strategy for system decommissioning solution considering central availability and scalability that complies with legal and technical regulations

Objectives

- Deloitte performs a review of SLO consulting services concepts and processes based on the corresponding ILM functionality to verify defined compliance aspects

QUICK FACTS

Deloitte.

Deloitte Touche Tohmatsu Limited

- Location or Headquarters: United Kingdom
- Industry: Auditing, Consulting
- Products and services: audit, consulting, financial advisory, risk management, and tax services
- Revenue: 26.1 billion US$
- Employees: Approx. 169,000
- Web site: http://www.deloitte.com

Approach

- Simulate a system decommissioning based on a predefined exemplary procurement process

- Review the step-by-step procedures with respect to data retention requirements for financial data according to German commercial and tax law

Benefits for SAP customers

- A renown global public audit firm has reviewed the concept of SLO services with SAP Information Lifecycle Management

- A concept review report is published for SAP customers using the following link:

  https://websmp206.sap-ag.de/~sapdownload/0110003587 00000629192010E/SLO_ILM_Clic k_Agree_EN.htm

About SAP Information Lifecycle Management (ILM):

- Manage and enforce retention policies across the enterprise
- Manage the responsible destruction of data based on policies
- Perform e-Discovery and set legal holds
- Complete decommissioning of legacy systems
- Enforce retention policies on data from retired system
- Run reporting on data from retired system (SAP BW)
- Use predefined tax content and reporting interface
- Use secure ILM-aware storage – Partner offerings, e.g.: **OPEN TEXT** The Content Experts

For a full list of partners certified for BC-ILM 2.0 and BC-ILM 3.0 see:

www.sap.com/usa/ecosystem/customers/directories/Se archSolution.epx

SAP Consulting Services – ILM Retention Management
Service Components

Scoping

Planning

Realization & Go-live
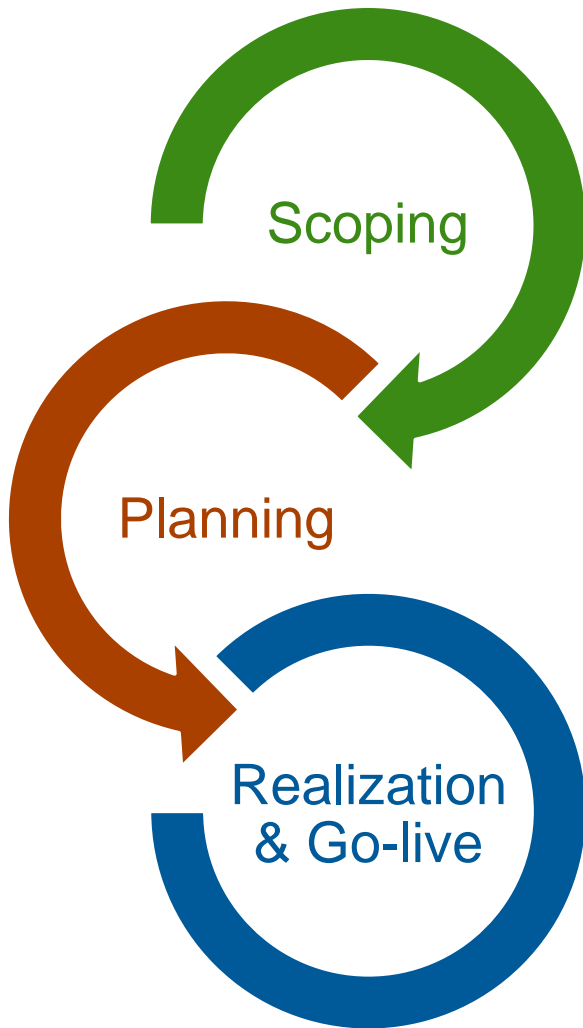
Scoping Workshop

✓ Review archiving & retention strategy and verify scope
✓ Transfer knowledge to IT Architects
✓ Plan technical infrastructure
✓ Create high-level implementation roadmap

Archiving Analysis Service

✓ Remote analysis of production system
✓ Identification of relevant Information for future archiving purposes

Proof of Concept

✓ Demonstration of an end-to-end scenario of Retention Management
✓ Based on a predefined scope
✓ Conducted in a sandbox environment

Full Implementation

✓ Complete implementation of Retention Management according to customer requirements
✓ Performed in productive system environment

SAP Consulting Services – ILM System Decommissioning
Service Components

Scoping

Planning

Realization & Go-live
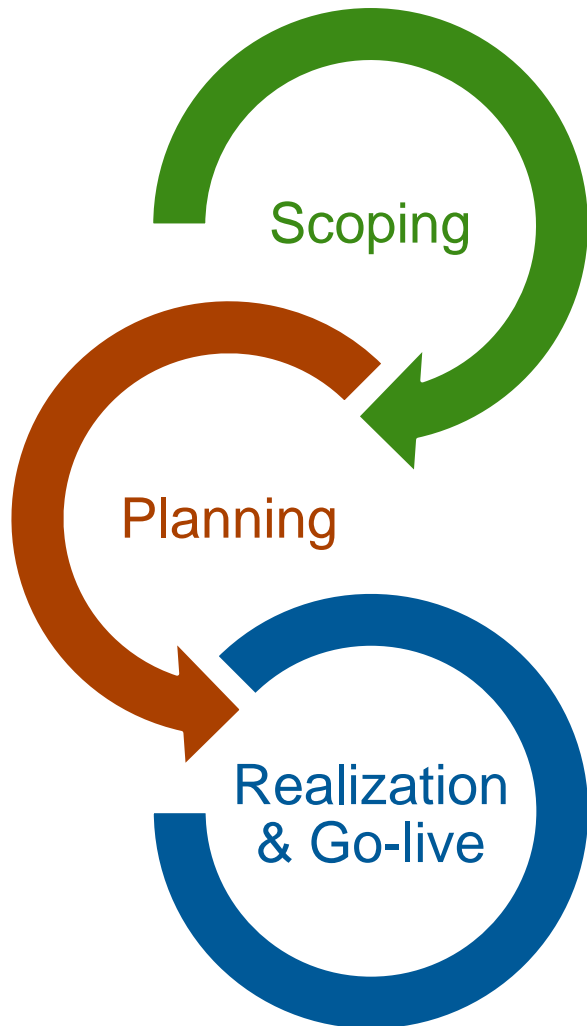
Scoping Workshop

- ✓ Review of current archiving & retention strategy and verify scope
- ✓ Transfer knowledge to IT architects
- ✓ Plan technical infrastructure
- ✓ High-level implementation roadmap

Business Case Development (optional)

- ✓ Comparison of quantitative and qualitative aspects of possible solutions against current situation
- ✓ Results will be documented in a management summary presentation

Proof of Concept

- ✓ Demonstration of an end-to-end system decommissioning scenario
- ✓ Based on a predefined scope
- ✓ Conducted within a customer's sandbox environment

Pilot Implementation

- ✓ Full decommissioning of one legacy system according to customer requirements
- ✓ Test run, and after validation by customer productive run

The ILM Project Cockpit as Part of the Implementation Service

The ILM Project Cockpit* offers a central control during the process of decommissioning a system (ETL):
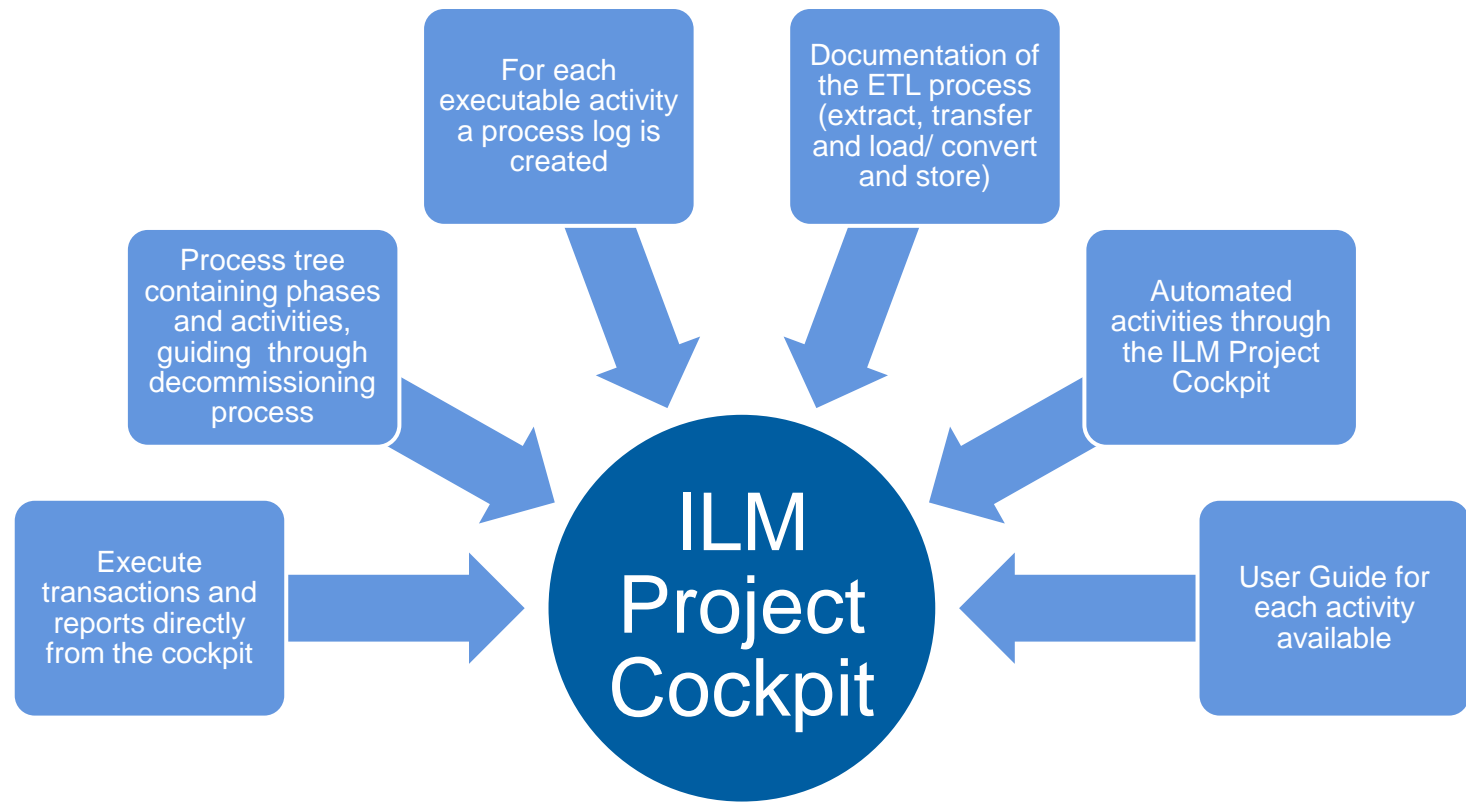
* The ILM Project Cockpit is a SAP Consulting solution and not included in the SAP ILM solution itself. The Cockpit is currently only available for a SAP System Decommissioning scenario.

ILM Value Discovery with SAP Value Lifecycle Manager

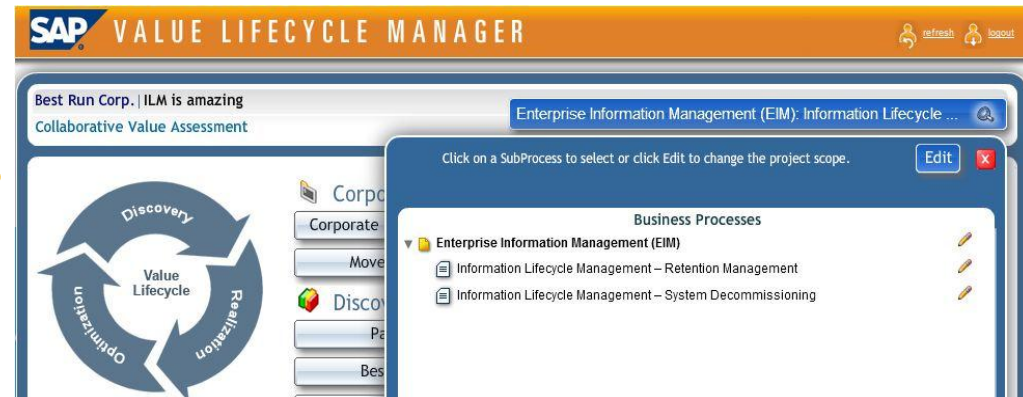| SAP Value Lifecycle Management		
Develop business cases	Justify investments	Also open to customers, prospects, partners

Enterprise Information Management:

➢ Information Lifecycle Management Retention Management

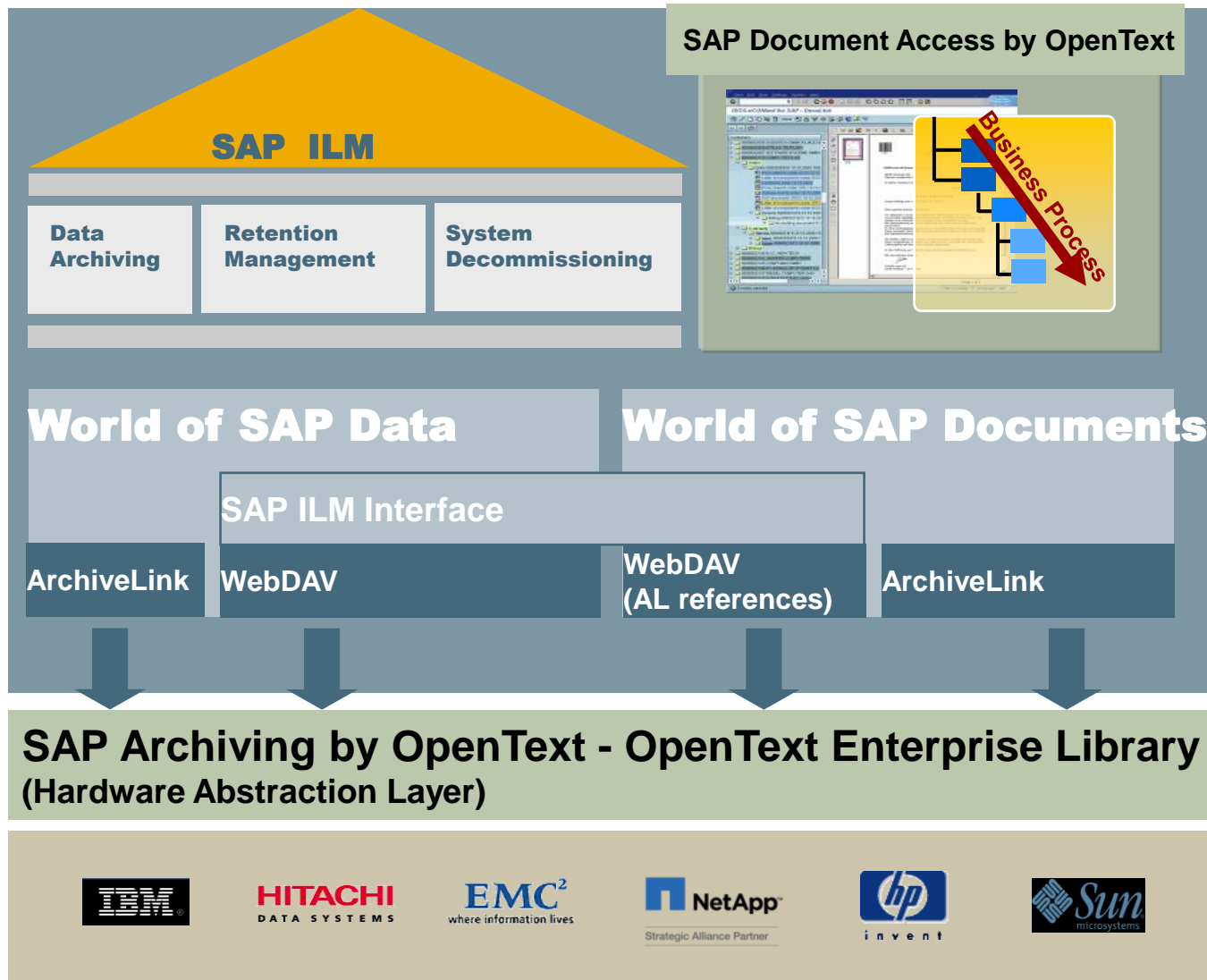➢ Information Lifecycle Management System Decommissioning

New content includes: interview question, pain points, best practices, solution enablers, and value drivers including specific KPIs

To access VLM (user needed), please click here

SAP Archiving & Document Access Features Complementing SAP ILM

SAP Document Access by OpenText

Business Process

SAP ILM

Data Archiving	Retention Management	System Decommissioning

World of SAP Data

World of SAP Documents

SAP ILM Interface

| ArchiveLink | WebDAV | | WebDAV (AL references) | ArchiveLink |

SAP Archiving by OpenText - OpenText Enterprise Library
(Hardware Abstraction Layer)

OpenText

- Enforces retention on SAP data and SAP documents

- Seamless virtual folder capability

- Document Access complements SAP decommissioning with print lists

- Hardware abstraction gives customer a choice between leading WORM-like storage

SAP Document Access by OpenText
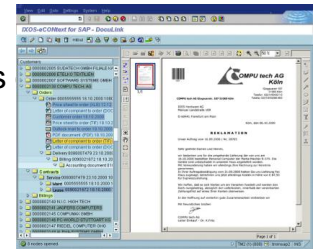## Includes SAP Archiving by OpenText

SAP Document Access by OpenText

Single point of access to SAP and non-SAP data and documents

- Provides access to data and documents from any SAP module
- Integrates all content associated with a transaction (email, office documents, paper documents
- Spans multiple SAP modules and systems
- User interface in either SAPGUI or SAP NetWeaver Portal

Organizes and manages all content (incl. legacy) in virtual folders

**Provides an easy, low cost way to archive documents (SAP Archiving by OpenText included)**

SAP Archiving by OpenText

SAP Data Archiving

- Securely archives SAP ADK archiving files
- Leverages storage lifecycle management for lower costs

Document Archiving and Imaging

- Links documents with SAP transactions
- Archives print lists and outbound documents
- Archives paper, faxes, desktop documents and email
- Supports bulk-import and high volume scanning
- Provides viewing with notes and annotation capability
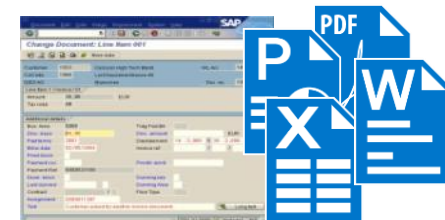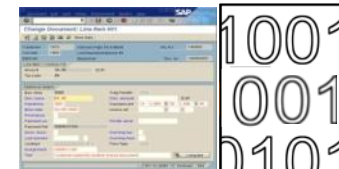
Customers Benefits From Joint SAP & Open Text Offering

Reducing Total Cost of Ownership

- Decommission legacy systems (SAP & NON-SAP) while securing data access
- Reduce administration and resource consumption of SAP database
- Simplified data management by using NetApp for SAP Environments

Complete Information Lifecycle Management

- One platform for ILM and ArchiveLink data and document archiving
- Unique offer of an End to End solution by SAP, OpenText and NetApp

Compliance for SAP and non SAP World

- Secure long term archiving for data and documents
- Retention enforcement, legal holds and destruction at end of life

SAP Information Lifecycle Management
Most Complete Solution in The Market

- ✓ **Pre-configured content/ Best practices**

- ✓ **Flexible reporting on retrieved data**

- ✓ **Compliance and auditing acceptability**

- ✓ **Retention Management on business object level**
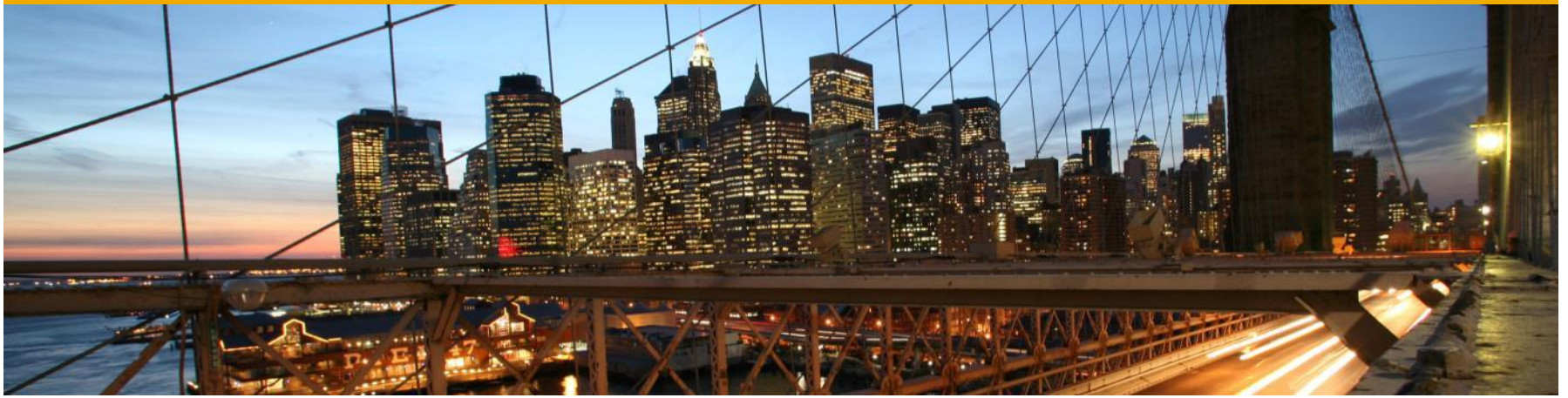
- ✓ **Automated data destruction**

- ✓ **Applicable to existing SAP archive files**

- ✓ **Structured and unstructured information**

- ✓ **Secure WORM-like functionality**

Summary

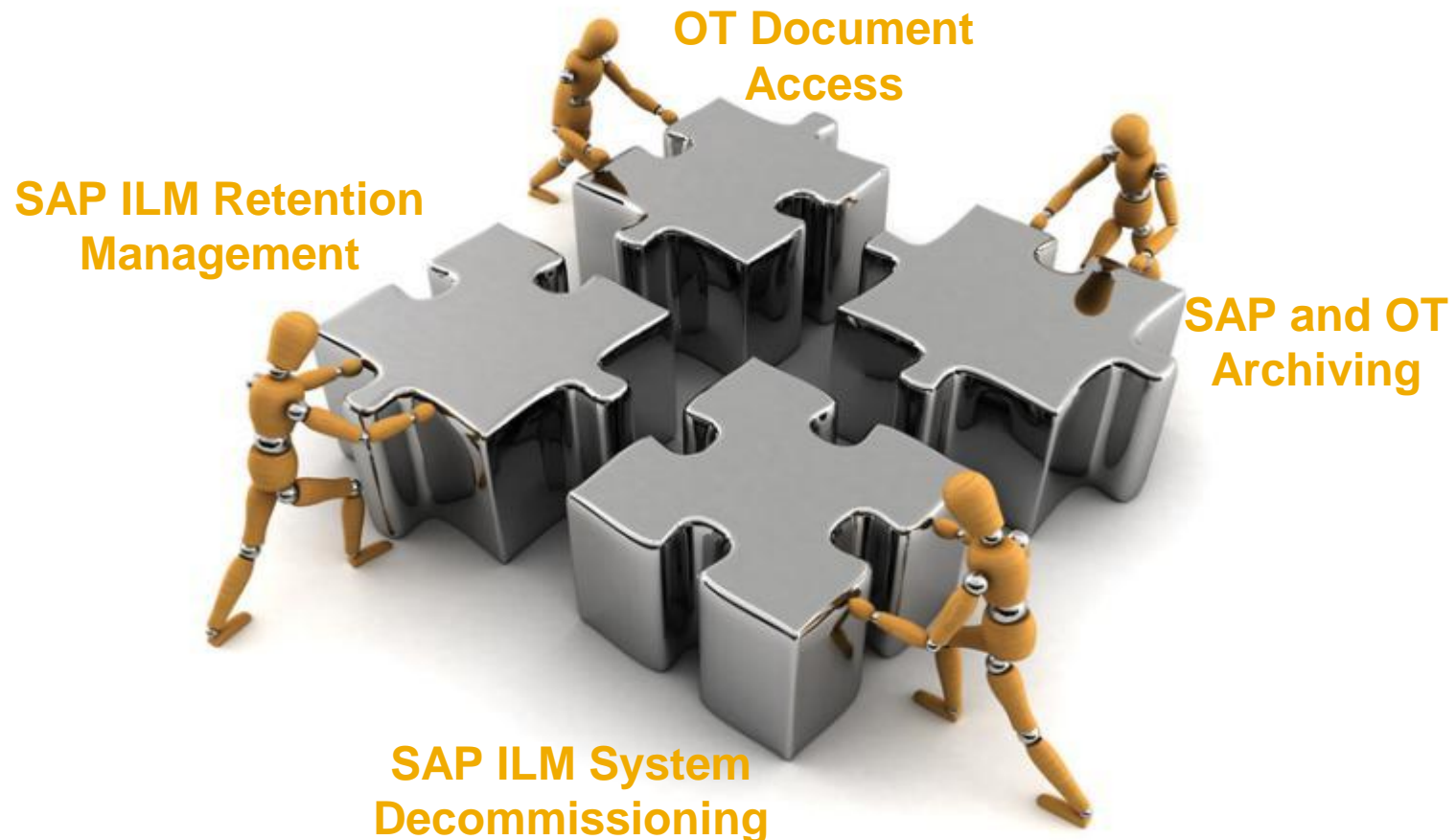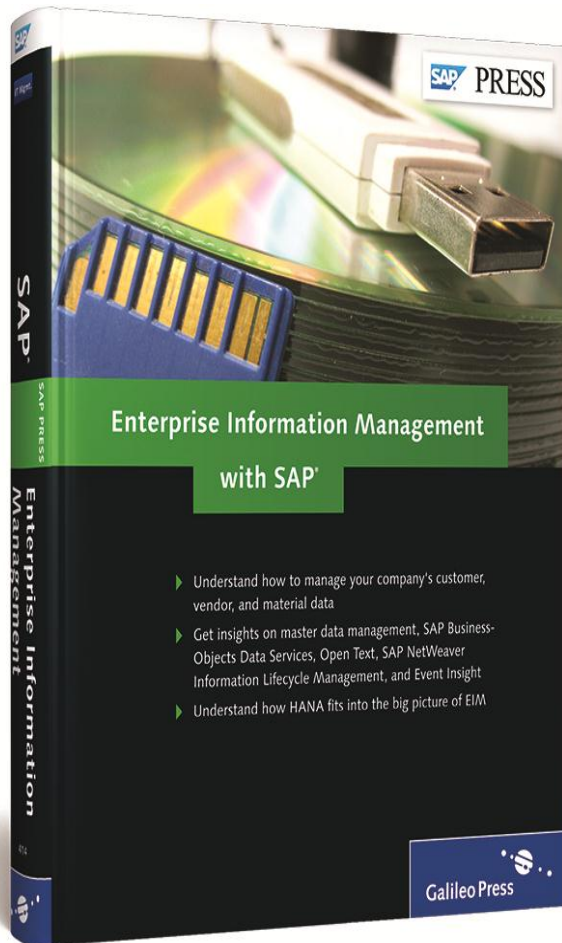# Holistic Information Management with SAP

SAP and Non-SAP

Live and Legacy

Structured and Unstructured

Legal Compliance

TCO Reduction

Process Optimization

One Holistic Solution to Manage the Information Lifecycle

OT Document Access

SAP ILM Retention Management

SAP and OT Archiving

SAP ILM System Decommissioning

Book: Enterprise Information Management with SAP

- Understand the big picture of SAP's enterprise information management offerings

- Explore step-by-step instructions for working with SAP Data Services

- Learn how to perform the most important tasks in SAP Information Steward, SAP Information Lifecycle Management, SAP Master Data Governance, and SAP Extended Content Management

- All royalties donated to Doctors Without Borders

Sources of Information

Collateral

Solution Brief
Managing the Information Lifecycle

Technical Brief
Drive Efficiency and Compliance in Managing Business Data

Solution in Detail
Reducing Total Cost of Ownership and Business Risk
Available on **SDN: http://www.sdn.sap.com/irj/sdn/ilm**

Videos on YouTube

- **Compliant Archiving:**
  http://www.youtube.com/watch?v=QX6Rx3dVYpw

- **Legacy Landscape Consolidation:**
  http://www.youtube.com/watch?v=sAyvhIsUNeE&feature=youtu.be

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