A Lean Cloud Archive to Complement SNP's "Rise with SAP" Project

EXPLORE NEW HORIZONS

Agenda

- Introduction

- **Rise with SAP** - Project Overview

- **Data & Document Management:**
  Challenges & Strategies

- **A lean Archive to Compliment
  „Rise with SAP"**
  - ➢ Needs & Goals
  - ➢ Project Results
  - ➢ Challenges & Lessons Learned

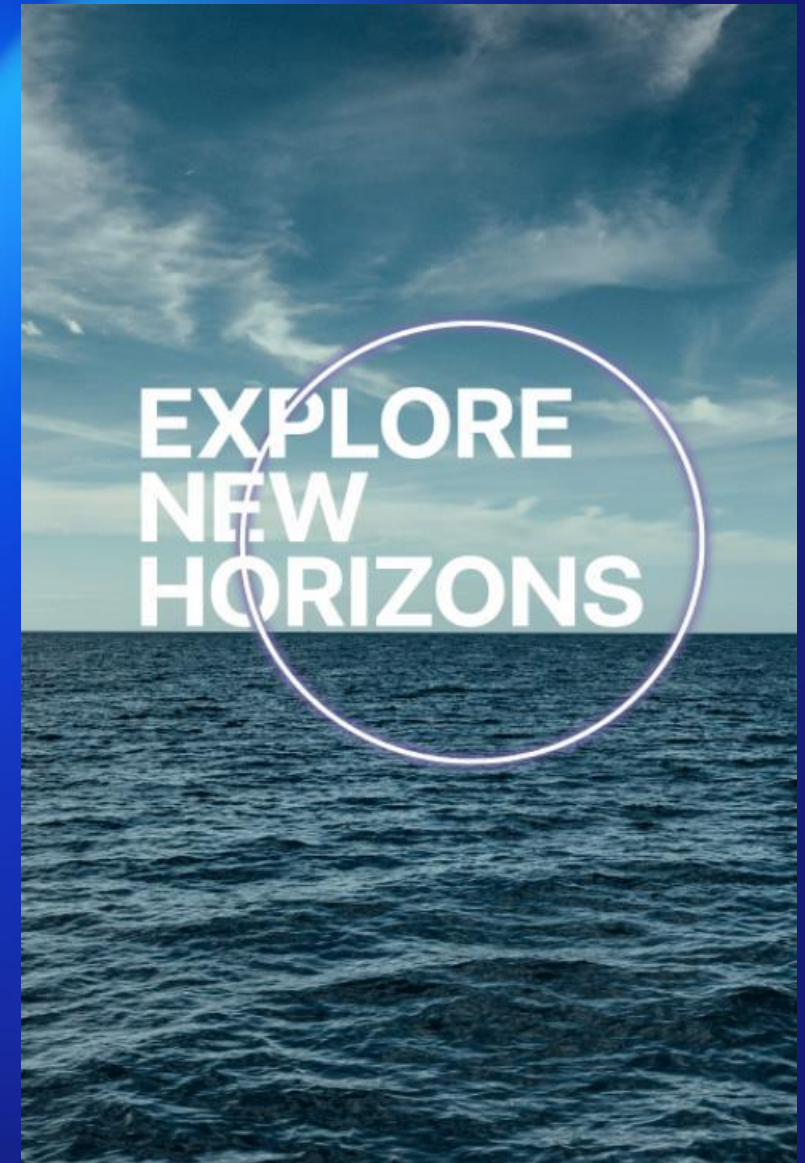- **Future Tasks** - Data Management

- **Your turn:** Q & A

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SNP „Rise with SAP": Scope & Tasks

- Complete the "ONE SNP" strategy
  - Move 3tier landscape to SAP S/4HANA private cloud edition
  - Upgrade to latest Version of SAP S/4HANA
  - Integration of all global systems and parties
  - Cleanup and harmonize SNP's central SAP system
  - Archive data as much as possible
  - Globalize the SNP IT organization
  - Implementation of SAP Concur and Rollout of EPPM

- Combine SNP own solutions with SNP´s transformation approach and RISE with SAP:
  - SNP CrystalBridge
  - SNP Interface Discovery
  - SNP Outboard Suite

- Early adaptor of SAP Cloud ALM
  - Standardize business and ALM processes
  - Automate / simplify support to reduce workload

EXPLORE NEW HORIZONS

SNP „Rise with SAP": Benefits

User Benefits

- Central system - ONE SNP
- Standardized SAP Processes – ONE SNP
- Access to latest SAP technology & features
- Optimized SAP performance
- Digital travel management
- Digital document workflows
- Increasd Transparency (Operations, Security, project monitoring, travel expenses, …)
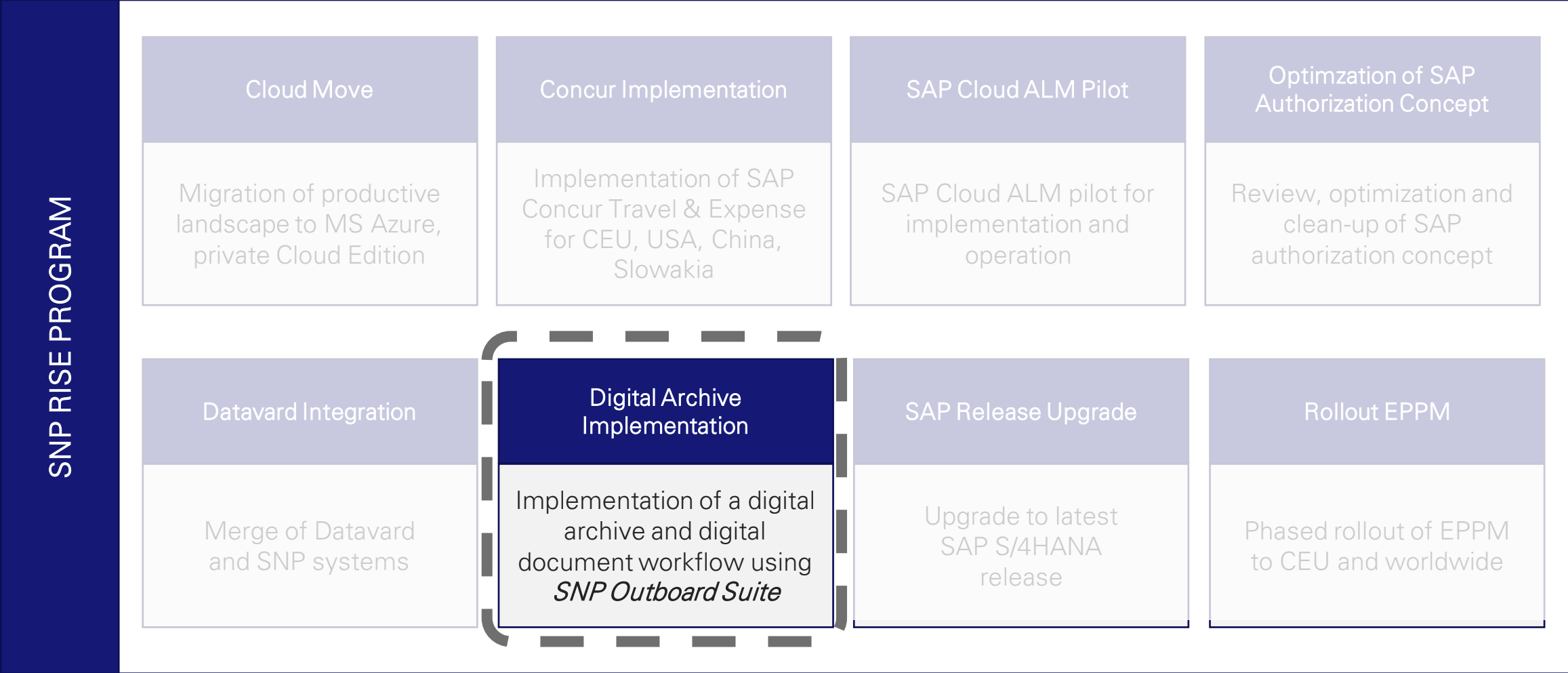
SNP Benefits

- Significant increase level of digitization and digitalization
- Establish latest IT security standards
- Increase transparency and flexibility
- Establish foundation for new technologies and upcoming projects

SNP „Rise with SAP": Project Scope

SNP RISE PROGRAM				
	Cloud Move	**Concur Implementation**	**SAP Cloud ALM Pilot**	**Optimzation of SAP Authorization Concept**
	Migration of productive landscape to MS Azure, private Cloud Edition	Implementation of SAP Concur Travel & Expense for CEU, USA, China, Slowakia	SAP Cloud ALM pilot for implementation and operation	Review, optimization and clean-up of SAP authorization concept
	Datavard Integration	**Digital Archive Implementation**	**SAP Release Upgrade**	**Rollout EPPM**
	Merge of Datavard and SNP systems	Implementation of a digital archive and digital document workflow using *SNP Outboard Suite*	Upgrade to latest SAP S/4HANA release	Phased rollout of EPPM to CEU and worldwide

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Typical Data Management Challenges

(Large) Data volume & growth

Lean/transparent data & document access
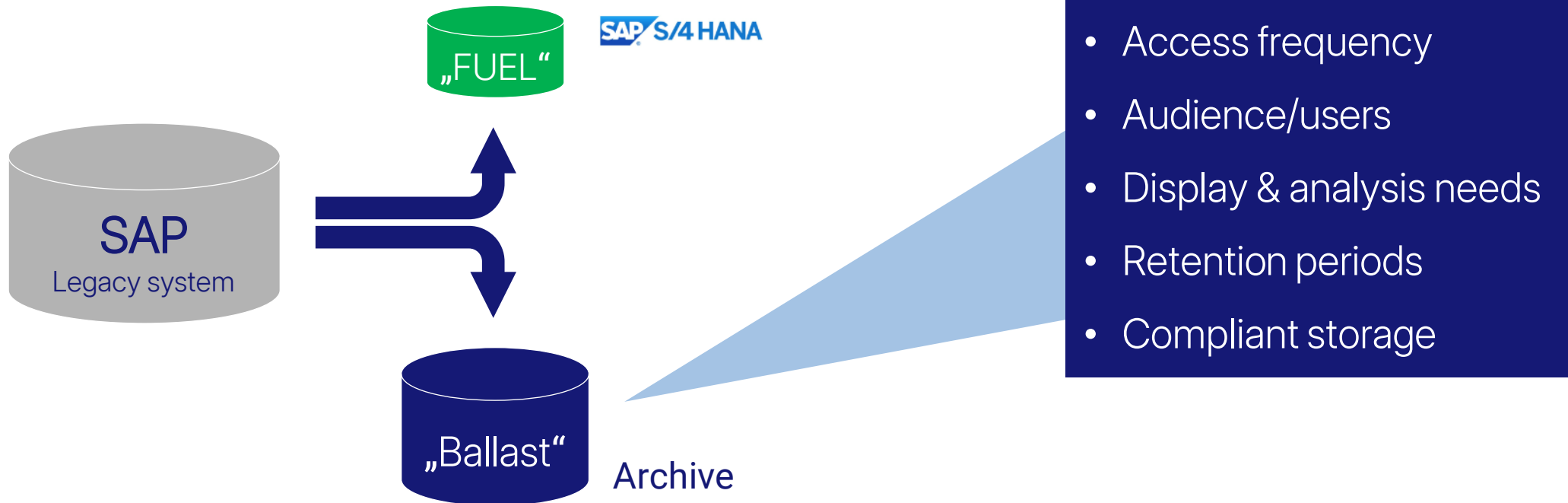
Risk and compliance

System transformation
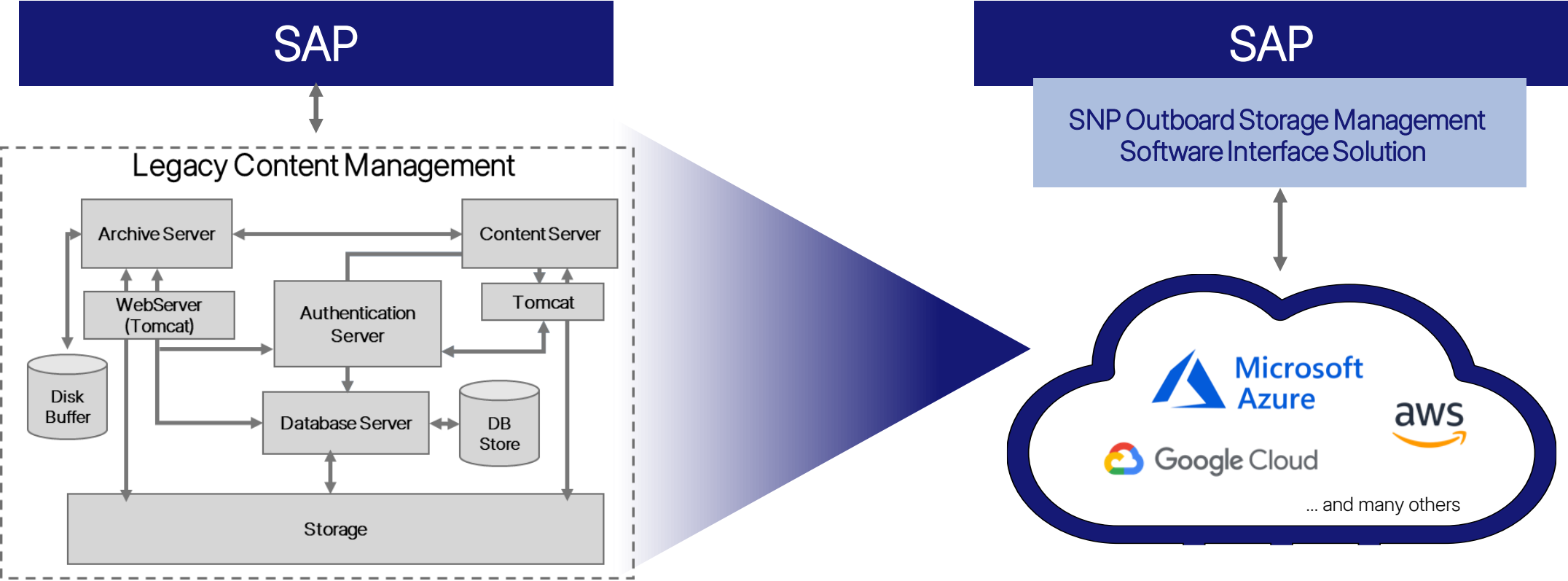
Economic processing/solution

You need a sound strategy for effective data management

Classify Data According to its Value for the Business!

Separate „Fuel" from „Ballast"

- Access frequency
- Audience/users
- Display & analysis needs
- Retention periods
- Compliant storage

Simplify Your Archive – Remove Complexity

Modernize the Archive!

Use „Rise with SAP" as motivation for cloud archive

- **Leverage the SAP infrastructure**

  Full integration with SAP, here SAP S/4HANA private cloud

- **Provide highly scalable and flexible repositories**

  Size your content repositories according to actual needs

- **Ensure easy deployment**

  Implement the solution in just a few days

- **Retain your existing content**

  Flexible data/document migration from legacy archives

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Needs & Goals

Migrating our S/4HANA system to the cloud (Rise with SAP) motivated a corresponding step for our data & document archive.

Process Optimization

Existing processes/documents use too much DB space

Compliant Storage

Worm-like storage for archive files and documents; Auditable

Future Proof Solution

Flexible (data growth), easy to administrate, meeting new req.

Data Management

Optional data management features to control DB size/growth
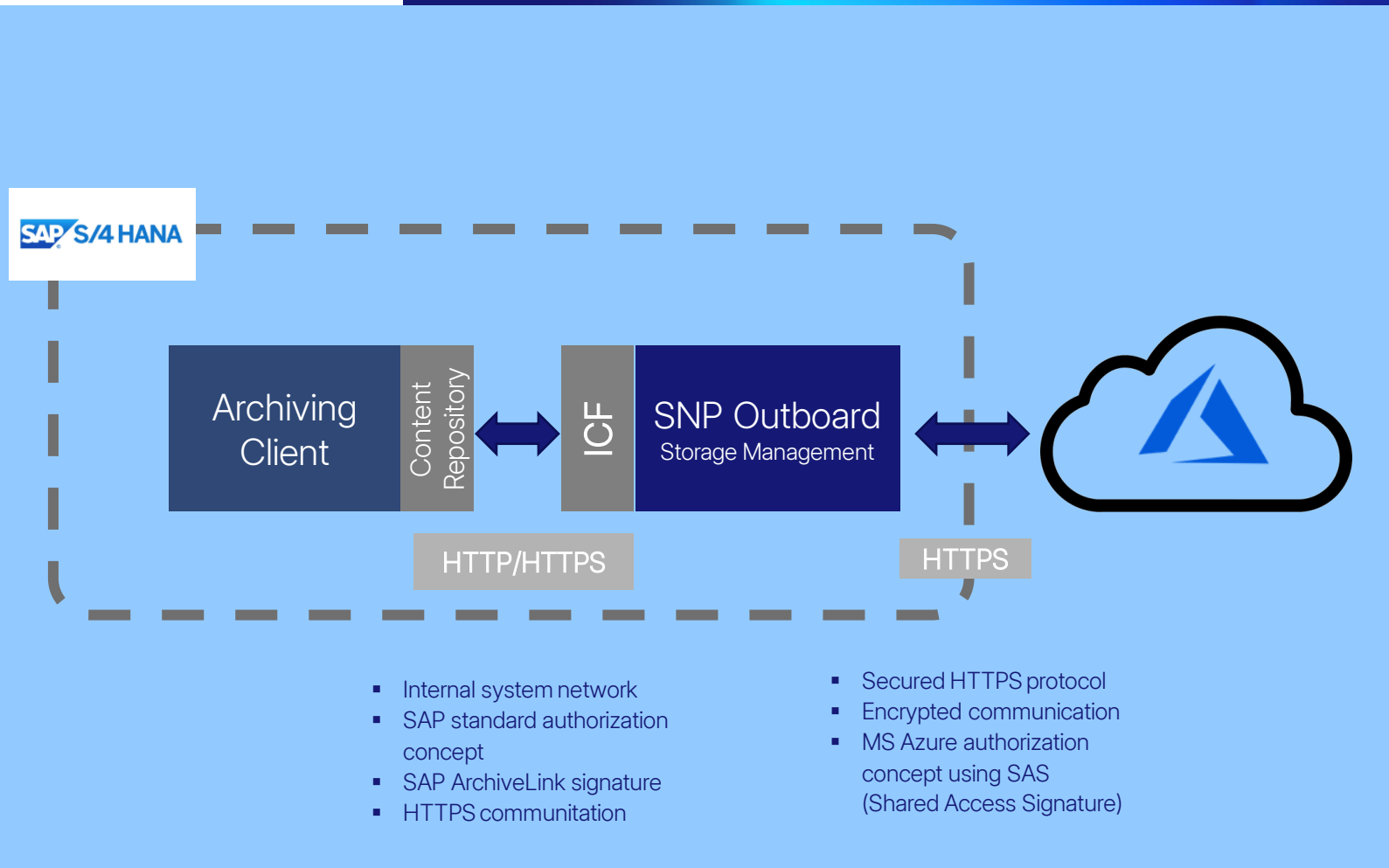
Transparent Access

Easy document and data retrieval for users; Resp. Time

GDPR Compliance

Lean retention management, data privacy options

Lean and Flexible Archive Interface

Setup Connection to Azure Blob Storage

- Account Activation in Azure Portal
  - Generation of SAS token
  - Creation of RFC with Target Host
  - DNS resulution
- Activate MSFT SSL Certificates in STRUST in SAP S/4HANA

SAP S/4 HANA

Archiving Client | Content Repository | **ICF** | **SNP Outboard** Storage Management

HTTP/HTTPS

HTTPS

- Internal system network
- SAP standard authorization concept
- SAP ArchiveLink signature
- HTTPS communitation

- Secured HTTPS protocol
- Encrypted communication
- MS Azure authorization concept using SAS (Shared Access Signature)

Cloud Archive – Project Realization

Software Installation

- Install Outboard SW
- Basis customizing
- Verify existing conten repositories
- Verify existing content

Connection to Azure

- Establish connection to Cloud Archive (here: MS Azure Blob storage)
- Customize and test connectivity

Doc. Migration & Go-Live

- Storage of test documents (Write – Read)
- User tests preparing document migration

Test Phases

- Run migration of existing documents
- Verify migration
- Replace legacy archive

Results: On-prem ContentServer ➡ Cloud Archive

Replace SAP ContentServer with State-of-the-Art Cloud Archive

- Outdated on-prem SAP ContentServer
- MS Azure Blob storage > compliments current SAP Rise private cloud solution
- Flexible, future proof, economical
- WORM like storage: Immutability

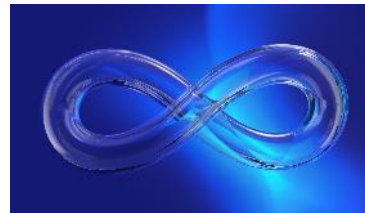## Migrate existing documents by lean software migration tool

- Current cloud archive: less than 100 GB
- Current HANA DB: approx. 380 GB
- Migrated some 100^{Thsd} legacy documents

Archiving and Migration Project Efforts

- Project effort "Rise with SAP": 4-5 months
- Project effort "Cloud Archive": 2 months
- Start planning phase early
- Reserve sufficient time for testing
- Include users for testing document access, especially for migrated documents
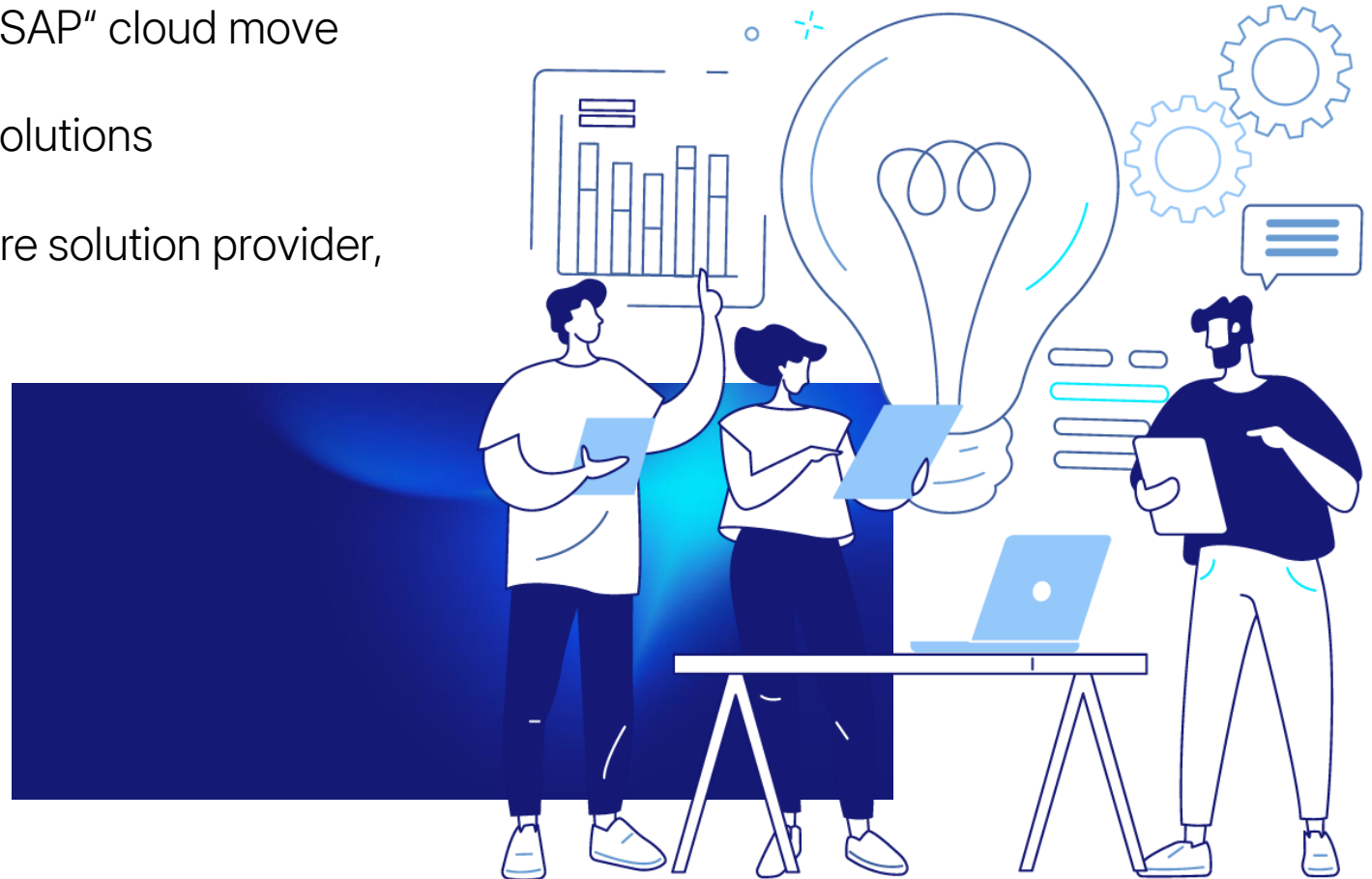
Additional Migration Need

- Recognized, that many attachments are stored in table SOFFCONT1
- Expensive SOFFCONT1 growth on HANA!
- Similar situation for 3rd party tables for inbound and outbound documents
- Recognized further data management need

Lessons Learned

- Combine archive migration with „Rise with SAP" cloud move

- New situation: customer of own software solutions

- Additional complexity: SAP not only software solution provider, but also hosting service provider

- Plan installation & migration early

- Reserve sufficient test options

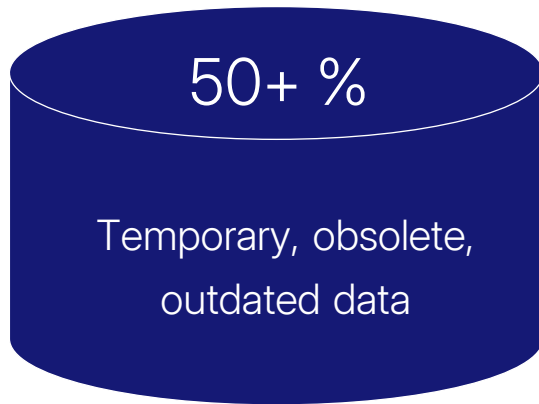- WORM-like storage!

- Consider SAP Office attachments

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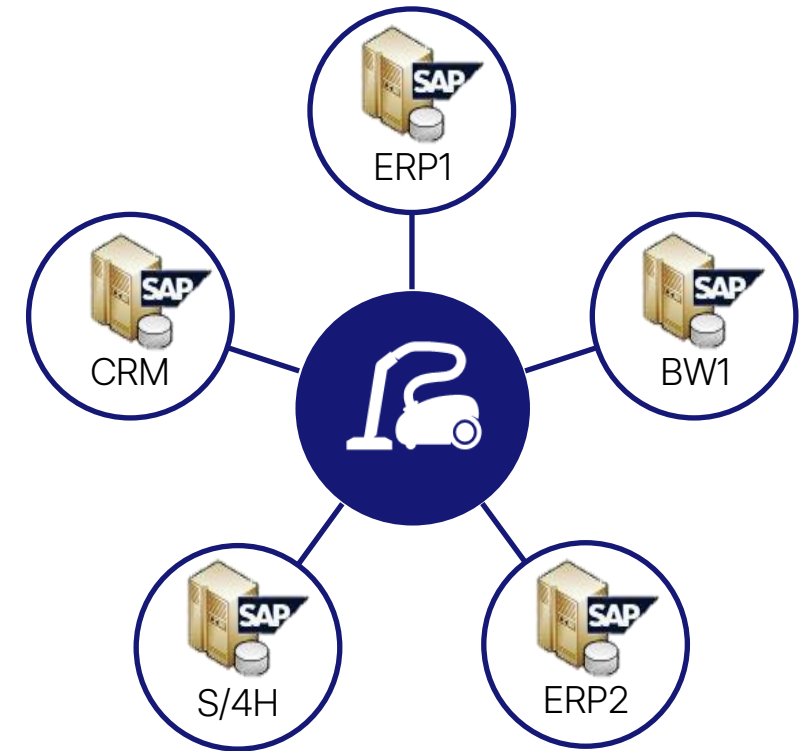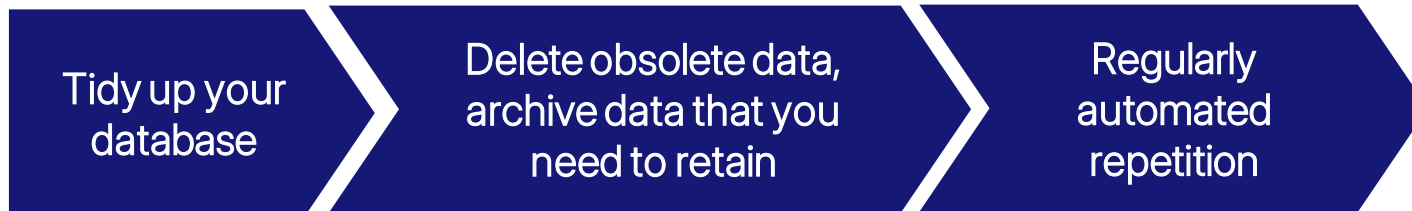- **Future Tasks - Data Management**

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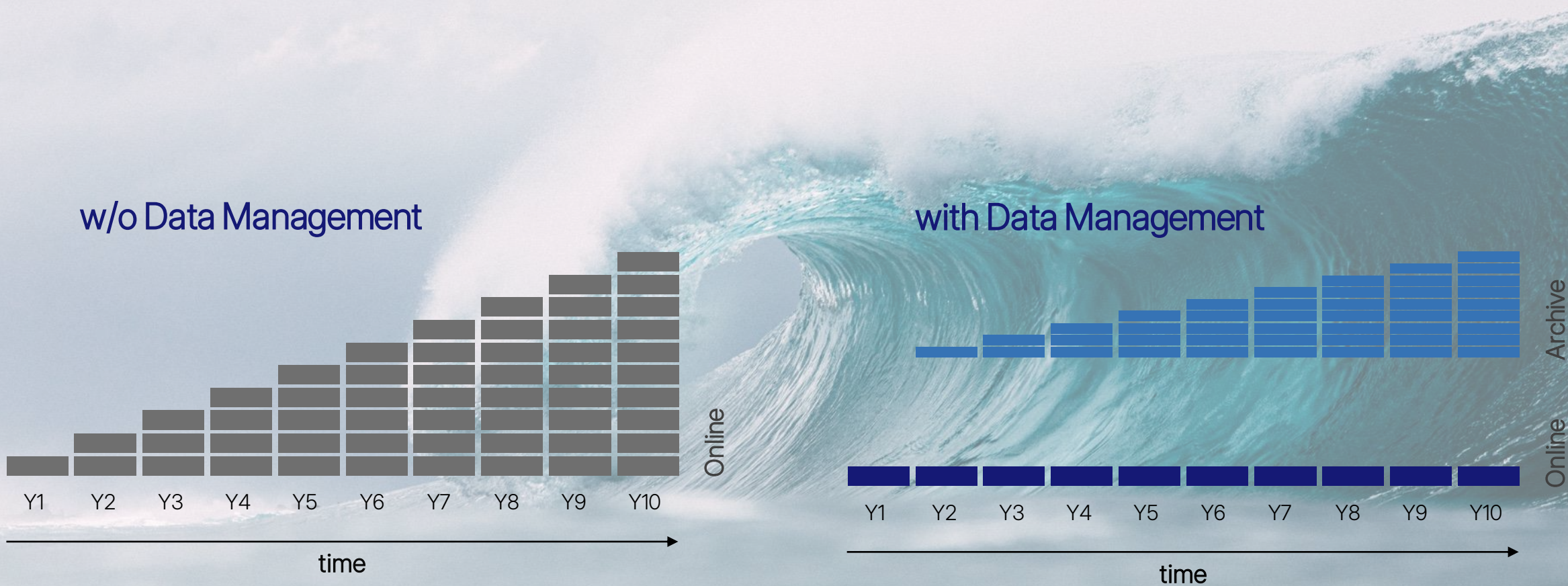
HOUSEKEEPING

Get rid of obsolete temporary data

50+ %

Temporary, obsolete, outdated data

- Reduced system performance
- Enhanced operating effort
- Vast rizing operating costs

ERP1

CRM

BW1

S/4H

ERP2

| Tidy up your database | Delete obsolete data, archive data that you need to retain | Regularly automated repetition |

✓ Reduced database volume – permanently

✓ Automated process – recurringly

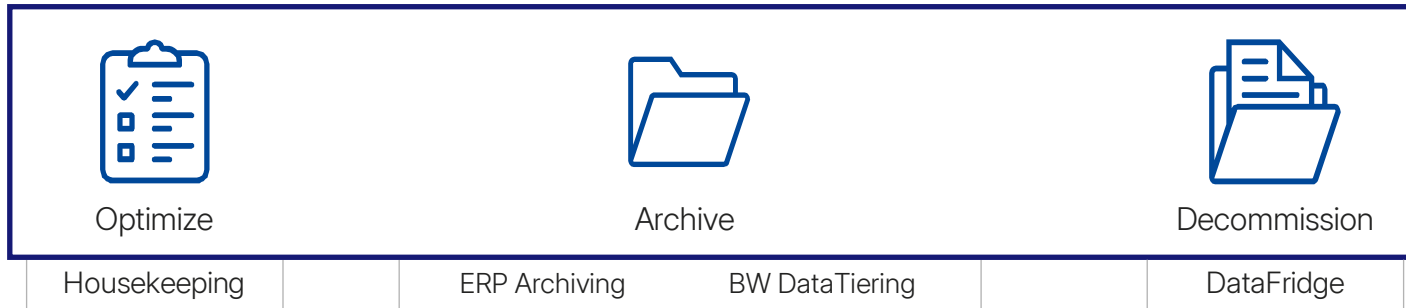✓ Significant savings on costs & efforts

Tackle the Data Tsunami

- Move Data Growth to the Archive

w/o Data Management

with Data Management

SNP Outboard

Actively manage data footprint and compliance

Optimize	Archive	Decommission
Housekeeping	ERP Archiving	BW DataTiering	DataFridge

With SNP Outboard we aim to take the pain out of data lifecycle management and application modernization by providing a consolidated solution to optimize cost and risk reduction, enable seamless access no matter where the data is and empower integrated analytics with historical data.

- Flexible, agnostic target storages and platforms
- Continually analyze the potential and archive more
- Automate and accelerate
- Stay compliant and elevate the value of your historical data

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Summary

- Replaced outdated on-prem archive with state-of-the-art cloud solution

- Used a lean software solution connecting our S/4HANA (cloud) to our cloud archive

- Learned about SAP as our hosting service provider

- Recognized additional challenges related to effective data management

- Achieved the archive migration within the planned time frame

- We're happy with our new S/4HANA environment including sound archiving

Vielen Dank für Ihre Aufmerksamkeit!

Matthias Schirner
Manager Global Internal SAP

✉ Matthias.Schirner@snpgroup.com

📞 +49 6221 6425 144

Dr. Klaus Zimmer
Solution Architect

✉ Klaus.Zimmer@snpgroup.com

📞 +49 6221 6425-954

Thank you

SNP Schneider-Neureither & Partner SE

Speyerer Strasse 4

69115 Heidelberg

Germany

📞   +49 6221 64 25 – 0

✉   info@snpgroup.com

🌐   www.snpgroup.com

in   linkedin.com/company/snp-schneider-neureither-&-partner-se