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Future guaranteed: harnessing SAP's latest technology to solve business problems towards success.

Harnessing SAP's latest technology to solve business problems towards success

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Transitioning to a digital core (S/4HANA) is a key step to unlocking business innovations.

While it's true for many organizations the main driving force is SAP's directive (*End of maintenance for SAP ECC*);

Let's not linger on the **negatives**!

Let's take a **positive** viewpoint;

Let's explore how we can turn this transition our **strategic roadmap** for harnessing SAP's latest technology to solve business problems!

Harnessing SAP's latest technology to solve business problems towards success.

A Storyboard

01 Value Drivers for the move?

02 Strategy & Roadmap for Innovation Adoption

03 Transition Scenarios

04 Clean Core Strategy

05 Challenging Status Quo

06 BTP Pillars & Real-life Examples

Positives with the move?

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Improved Productivity

- Improved business capabilities and E2E business processes:
  - Better supply chain management
  - Improved financial management
  - Improved asset management
  - ....
- Automations e.g., workflows, features
- Better Performance e.g., faster MRP runs
- Enhanced User Experience

Faster Decision-Making

- Real-time embedded analytics
- Insight to action applications
- Simplified data model

Reduced IT Costs

- Simplified IT landscape
- One architecture
- Reduction in data redundancy
- Faster and easier upgrades

Business Agility & Scalability

- Agility with Cloud BTP services
- Faster and easier innovation adoption
- Easily scalable with business growth

Top Business Drivers for S/4HANA Migration

SAPinsider

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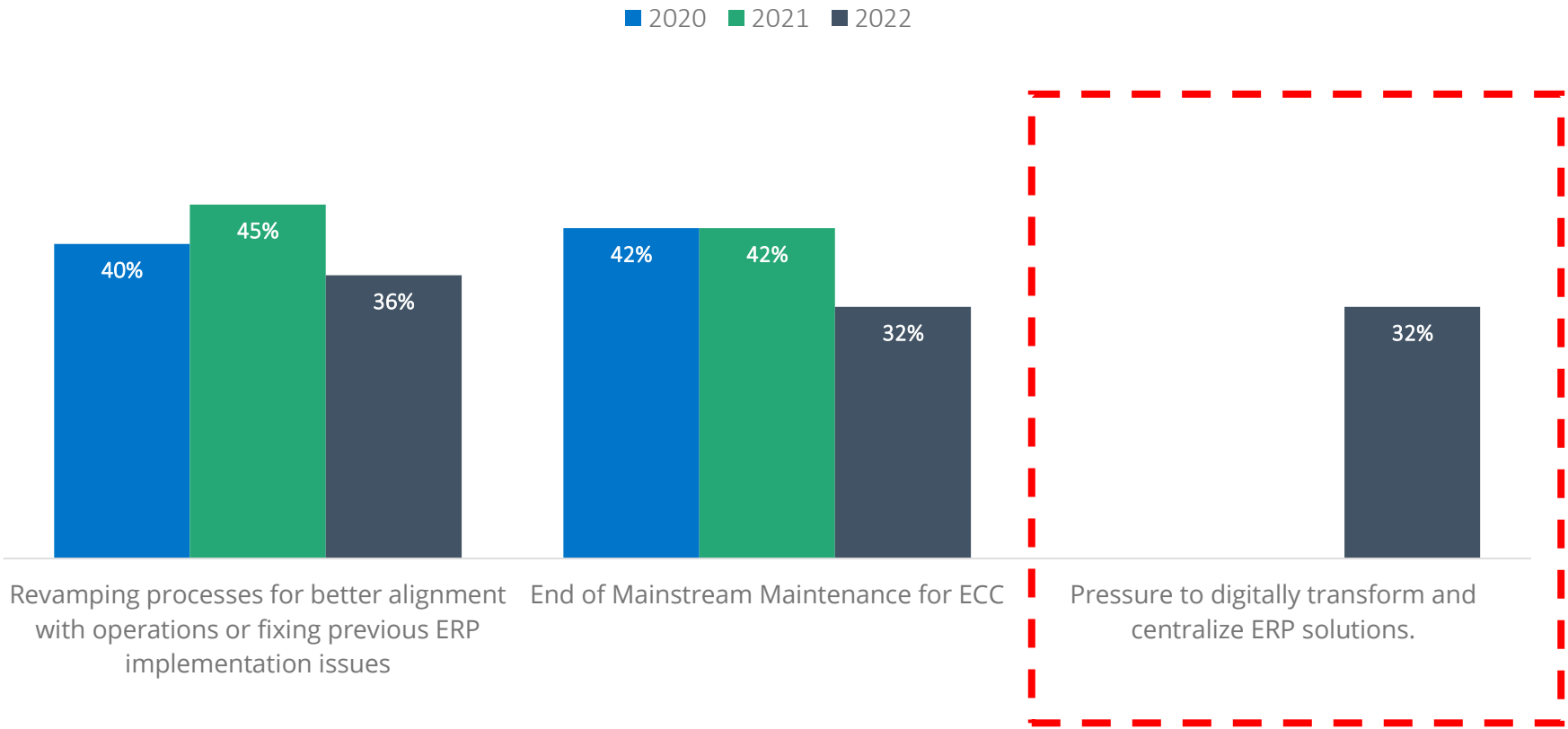
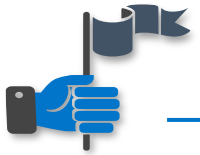


How to make successful S/4HANA Transition



While S/4HANA brings multiple benefits to your organization it is not all clear sailing.

Transition is **complex**!

Customers face certain challenges in transition!

- ❑ Data Migration
- ❑ Custom Code Remediation
- ❑ Technical Challenges
- ❑ Budget Constraints

Transition requires effective strategic and tactical planning.

What is/was the main business driver for your organization to move to S/4HANA?

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S/4HANA Strategy & Transition Roadmap

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- Alignment with value drivers
- Enterprise perspective
- Continuous value realization
- Informed decision-making

S/4HANA Strategy & Transition Roadmap

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Business & Technology Focus

Company's Vision Business Drivers & Paint Points	S/4HANA Evaluation	Target State Architecture	Transition & Execution Roadmap	Plan & Execute Project/s
Objectives: Business case alignment with business drivers and current pain points	**Objective:** S/4HANA value & benefits for you.	**Objective:** Future Target Architecture	**Objective:** Define a transition scenario & implementation roadmap.	**Objective**: Prepare for the S/4HANA migration.
Focus: Current business and IT landscape strength & weakness.	**Focus:** Business FIT/GAP Technical Assessment	**Focus:** Business, Technology, Data And Application.	**Focus:** Best migration scenario.	**Focus:** Execute projects before/after/with migration.
Actions: Assessments to identify expected improvements in Business & Technology.	**Actions:** Business case migration benefits and costs.	**Actions:** Fine-tune the business case.	**Actions:** Finalize the business case.	**Actions:** Define projects, program, and high- level project approach.

Value Realization

Does your organization have a solid S/4HANA Strategy and Roadmap in place?

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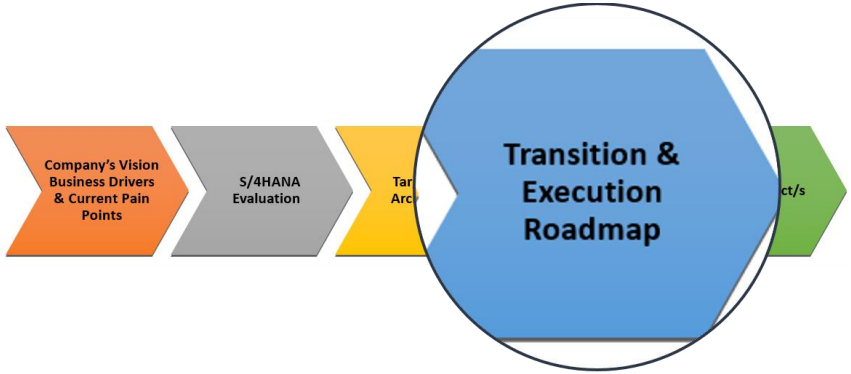
How to get there - Transition Scenarios

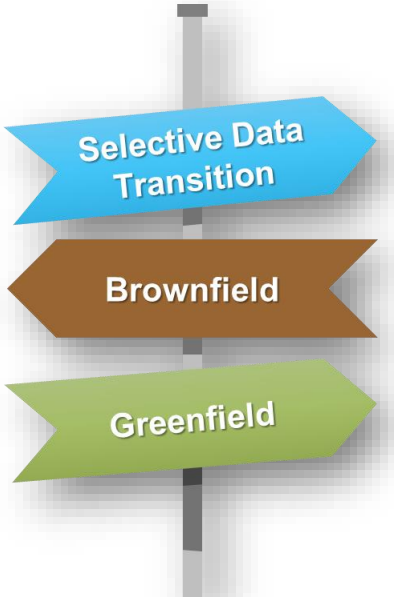
S/4HANA Strategy & Roadmap for Innovation Adoption

Alignment with Company's vision,
Readiness for Business & Technical Change
Strategic roadmap to achieve the Target State Architecture.



Transition Scenarios

What are the transition paths to S/4HANA.
How is the approach influenced by Clean Core Strategic Direction



S/4HANA Transition Scenarios

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System Conversion

New Implementation

Brownfield

Build on Brownfield

Preserve your existing processes and take them to the new platform.

Greenfield

Build on Greenfield

Implement innovative standard business processes with preconfigured content.

Transform your business processes

Selective Data Transition

Consolidate systems and redesign selectively

Adopt standard S/4HANA processes where desirable.

Migrate a selection of data.

	Brownfield	Greenfield	Selective Data Transition
Innovation	L	H	M H
Change Impact	L	H	M H
Flexibility	L	H	H
Cost	L	H	H

Key considerations with the Transition Approaches

Strategic re-design of current processes

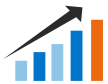
Are current processes aligned with Long-term Strategies?

Adopt Standard S/4HANA content

Can you leave your past customization behind?

Required amount change & speed of change

How quickly do you need to make the changes you want?



Incremental innovation adoption

Is your organization innovation driven? Can you commit to an incremental innovation journey?

Business or IT Driven

Is your move to S/4HANA driven by IT?

Data retention requirements

Will you need to retain all historical transactional data in your S/4HANA environment?

Landscape consolidation & process harmonization

Do you need to consolidate systems, data and processes?

Technical complexities

Do you have big number of interfaces?
Is single step conversion applicable to your case?

What approach are you considering, or did you use for your S/4HANA transition?

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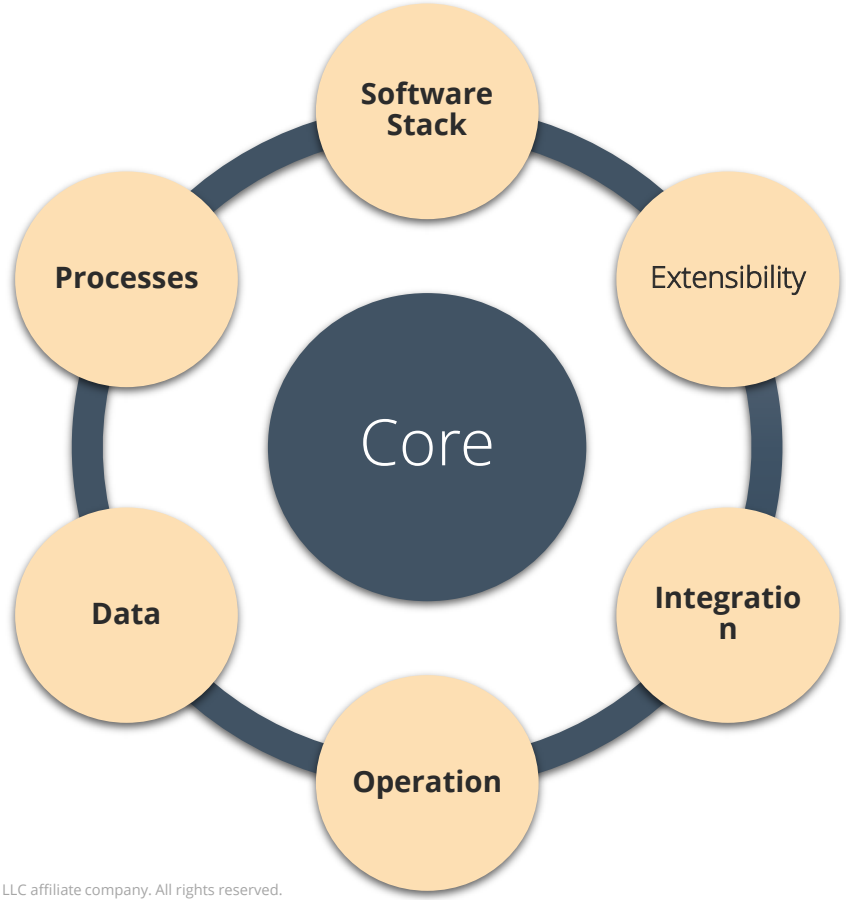
Clean Core

Accelerating Innovation Adoption

You have heard about clean core
what is it and why is it important

Clean Core - Accelerate Innovation Adoption



Clean: Up-to-date, transparent, unmodified, consistent, efficient and cloud compliant.

+

Core: The main components of an organization. These **components** interact to provide the capability to your business and deliver outcomes.

=

The “Clean Core” is a concept to achieve modern, flexible and cloud compliant ERPs.

Why Clean Core?

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Future Ready & Competitive

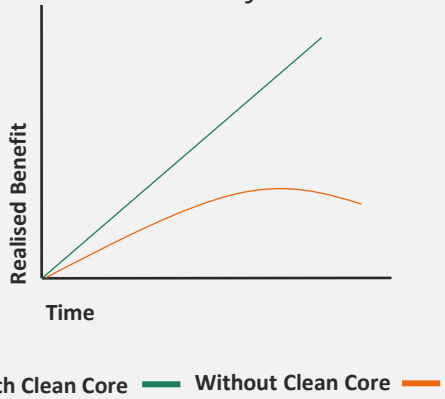
Agile & Flexibile
Lean environments speed up value delivery and enhance adaptability for short-term challenges.

Efficient & Secure
E.g. no costly maintenance for unused artefacts.

Current & Innovative
Reduced effort for updates and upgrades enable swift adoption of the latest innovations.

Data Driven
Consistent data allows reliable forecasts and precise predictions.

Over time, clean core organizations gain faster benefits, by taking the lead in business operations and embracing cloud-based tech delivery.



How do you move to a Clean Core

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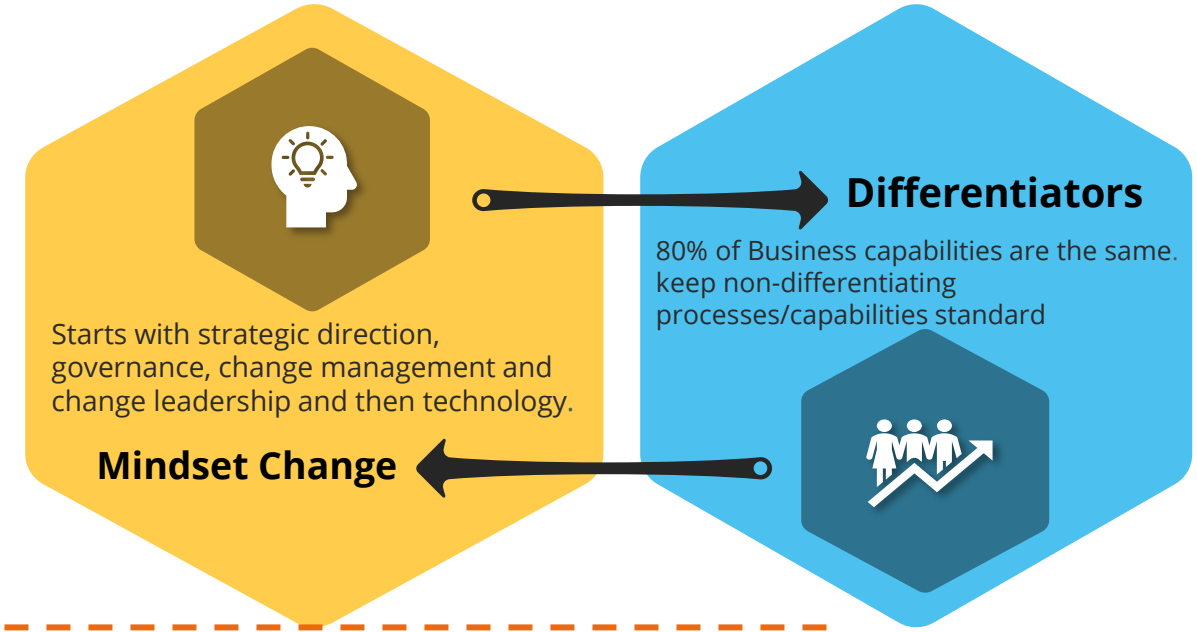

Clean Core Strategy

Company's Vision Business Drivers & Current Pain Points → S/4HANA Evaluation → Target State Architecture → Transition & Execution Roadmap → Plan Project/s

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Is SAP BTP the only means to build clean core compliant extensions?

S/4HANA innovations

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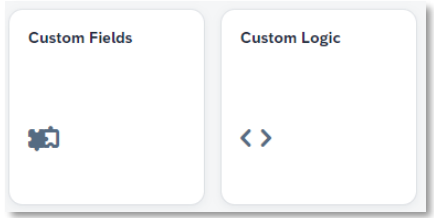
Flexible Workflows

A new concept with the objective of simplifying workflow configuration

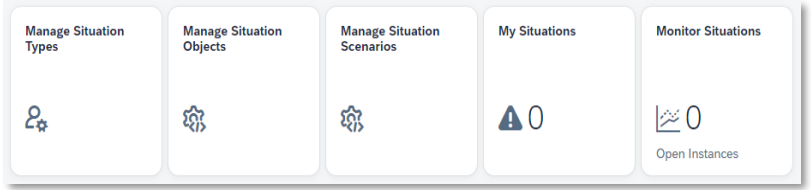
Custom Fields & Logic

- Create Custom Fields for Master/Transactional Data with No code.
- Create your Custom Logic.
- SAP Guarantees seamless upgrades!



Situation Handling

- A framework to automatically detect, track, and inform about issues that require attention
- Manage Situation Standard (up to 109 use case)
- Manage Situation – Extended (Model your won use case with low code.)



Are you planning to adopt a "clean core" strategy?

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Challenging Status Quo

LiDAR processing with SAP and ESRI

LiDAR technology can be used to scan large areas containing assets (roads, tracks, seawalls) as well as their surroundings.

LiDAR Processor

Machine learning based processing can analyze the point cloud and identify assets, their geospatial location as well as possible damages.

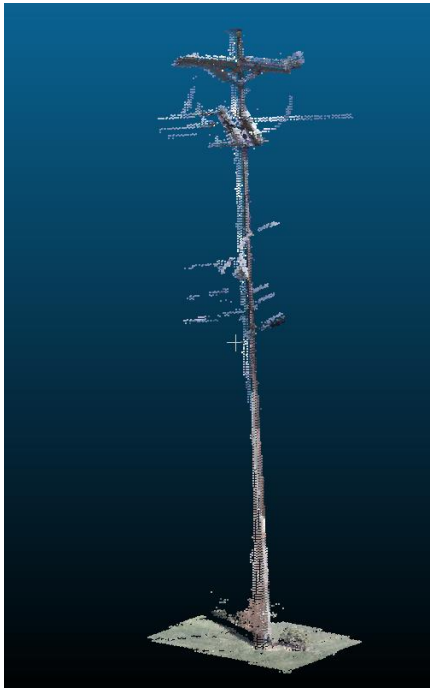
Consolidation Engine

A consolidation engine reconciles the as found data with SAP and ESRI.

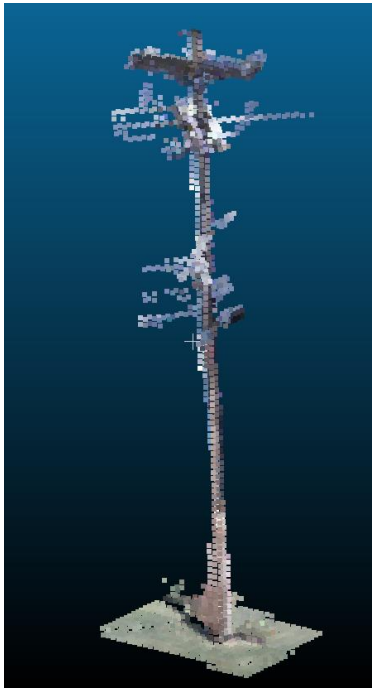
- New assets can be added into the master data flow
- Existing asset information updated
- Geospatial locations can be corrected
- Damages can be document in notifications or work orders

Simplification of training data

Lidar Data (raw)
10k points in small bounding box



Voxelized (down-sampled)
250x250x250x3 resolution
⇒ 4D matrix with 46,875,000 positions for one image
⇒ 46875000 * 32 bytes = 1.5 billion bytes



Further reduction
100x100x100x3 resolution

What use cases are you implementing or considering???

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Introduction to BTP Pillars

SAP BTP – Five Pillars

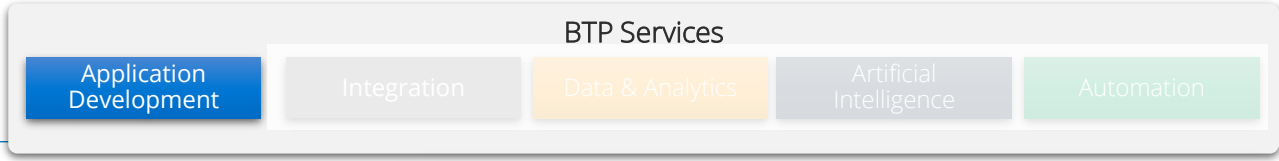
SAP positions the Business Technology Platform in 5 areas.

APPLICATION DEVELOPMENT / CLEAN CORE	INTEGRATION / MAKE ACCESSIBLE	AUTOMATION	DATA & ANALYTICS	ARTIFICIAL INTELLIGENCE
Use a side-by-side extensibility model to enhance and extend all your SAP application and keep SAP's application as pristine as possible to reduce technical dept.	Integrate SAP applications with each other, legacy apps or outside services. API management	Combinations of Workflow, Business Rules Engine and Robotics Process Automation.	Sap provides tools for data warehousing, intelligence and conversion that all fall into this area. Those will succeed products like BW, Data Services and former BI solutions.	Purpose built services that contain pre-trained models are available in addition to an AI Core enabling a generic ML foundation.
Rizing recommends Evaluate Cloud Native approaches. Rizing has experienced 10%-20% efficiency gains in application development	**Rizing recommends** Evaluate the automatic PI/PO migration tool to assess how seamless content move to the Cloud can be	**Rizing recommends** Consider for future intelligent workflow processes.	**Rizing recommends** Realtime Data Federation and context creation for Data Lakes	**Rizing recommends** Use existing, API wrapped models and AI Core for inference.

"SAP Business Technology Platform is the Business Operating System"

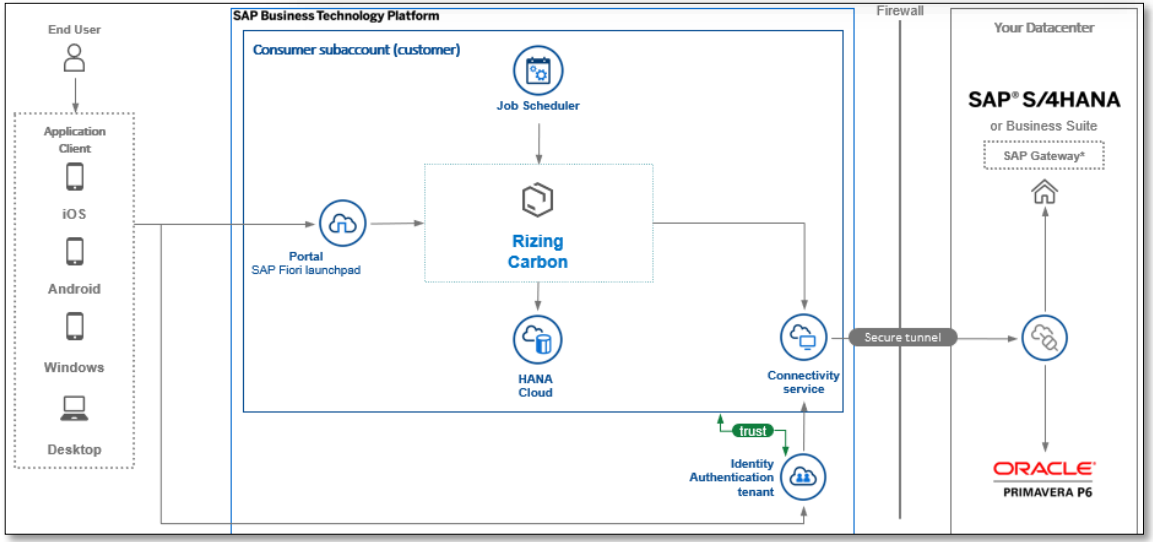
Real-Life Examples

Rizing Carbon



Challenge: SAP is used for asset management, work planning, scope approval and long-term resource planning. P6 on the other hand is used to create and maintain the project plan with all it's details. It scheduled and resource levels the activities in the project plan.
Where a lot of our customers start out is that these two systems are not integrated, and information has to be manually re-keyed from one system to the other.

Solution: Carbon supports complex project management integration. Rapidly synchronizes large transaction volumes between SAP and Primavera 6 for work orders and projects, enabling quicker decision making and superior project transparency & performance.



Rizing Cobalt

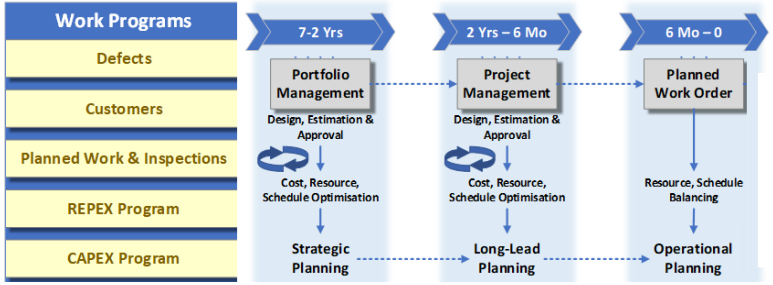
BTP Services

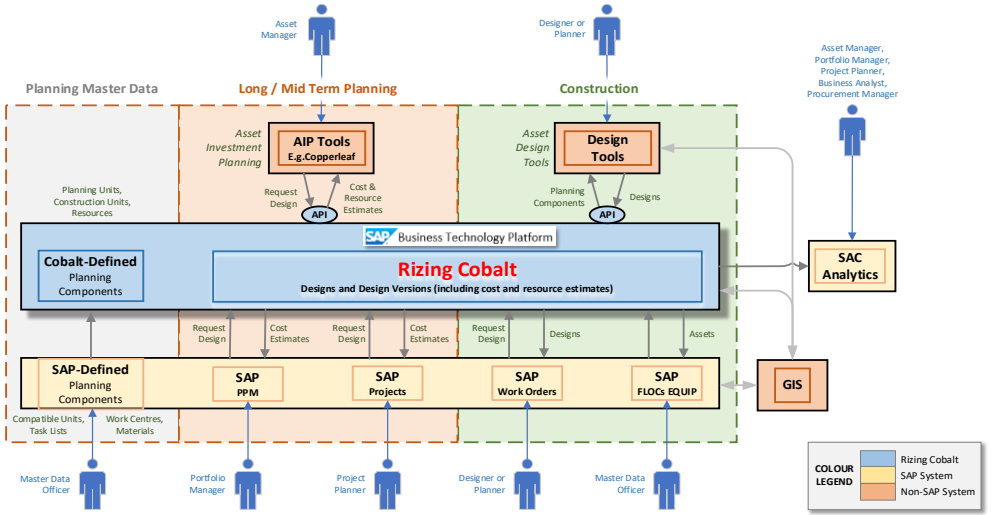
Application Development | Integration | Data & Analytics | Artificial Intelligence

Lab Preview

Challenge: SAP provides a great foundation for **asset investment planning** with PPM, PS, PM, SAC. However, each of those modules and solutions has its own **planning methods** and requires its own **planning master data**, and the **designs developed** in each **do not flow to the others** lacking end-to-end continuity. SAP can handle asset investment planning, but achieving a smooth E2E process provides many challenges.

Solution: Rizing is building Cobalt to provide a common planning, estimation tool to support the asset investment process across the multiple SAP modules and third-party solutions involved in that process. Cobalt supports designs for complex major construction projects managed through portfolio and project tools through to smaller asset replacement activities originated through Work Orders.





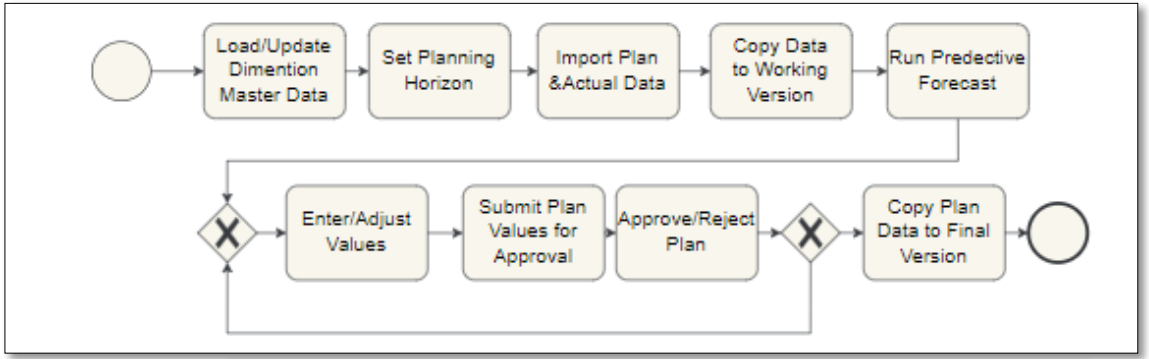
Maintenance Budgeting & Forecasting

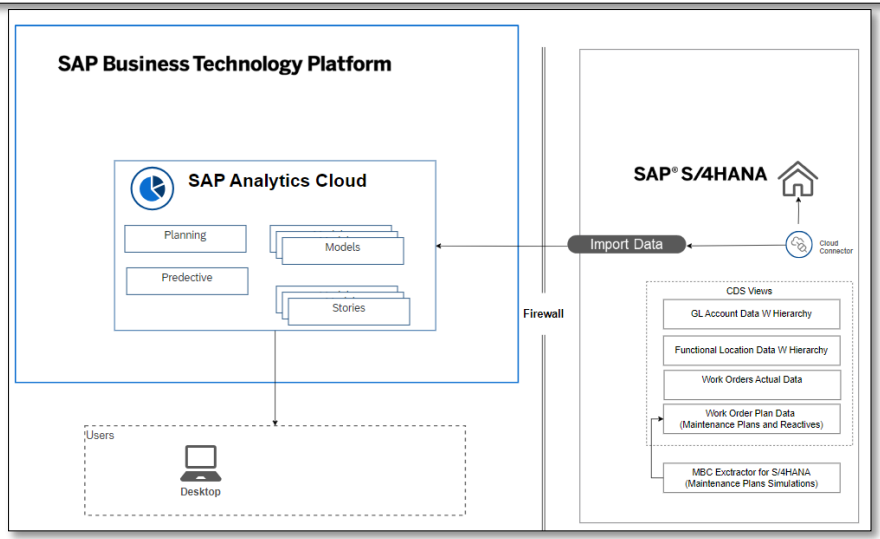
BTP Services

Application Development | Integration | **Data & Analytics** | Artificial Intelligence | Automation

Challenge: The Maintenance Cost Budgeting solution in SAP ECC and BW is deprecated in S/4HANA. Our Client needed a robust alternative solution for this business capability.

Solution: The planning and predictive capability is SAP Analytic Cloud was utilised. S/4HANA Work Order information were exposed using CDS views.





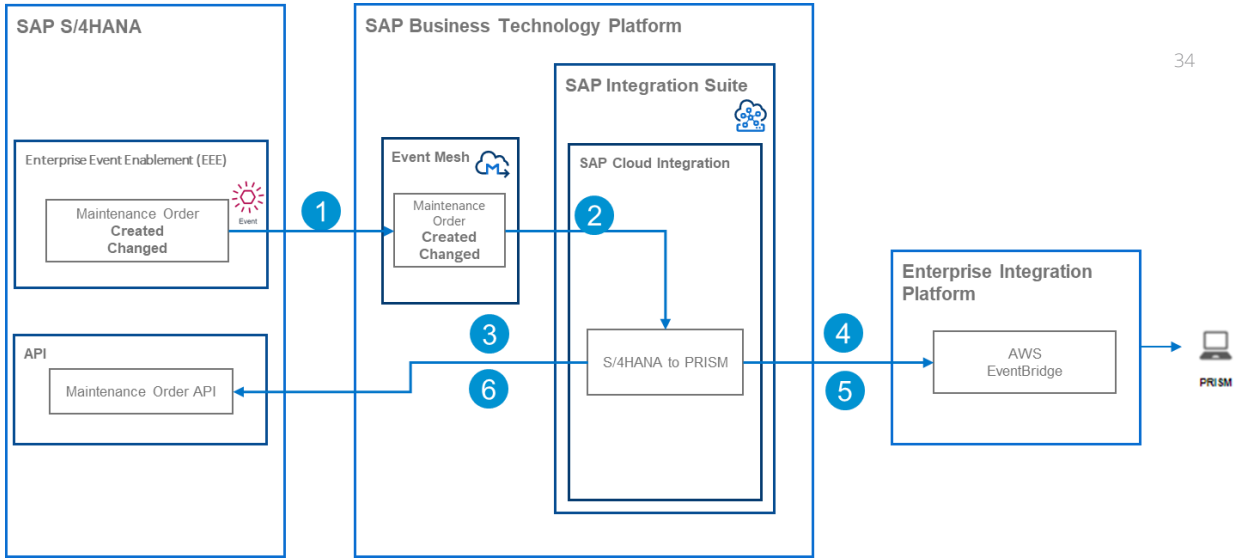
Work Order Integration 3rd Party Application

BTP Services

Application Development | **Integration** | Data & Analytics | Artificial Intelligence | Automation

Challenge: Work order integration with third-party application. Our client wanted work order data to be synchronised with their scope management solution.

Solution: Integration was built using BTP Integration Suite and Event Mesh services as well as standard API Management and Work Order Events.



Thank you!

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