

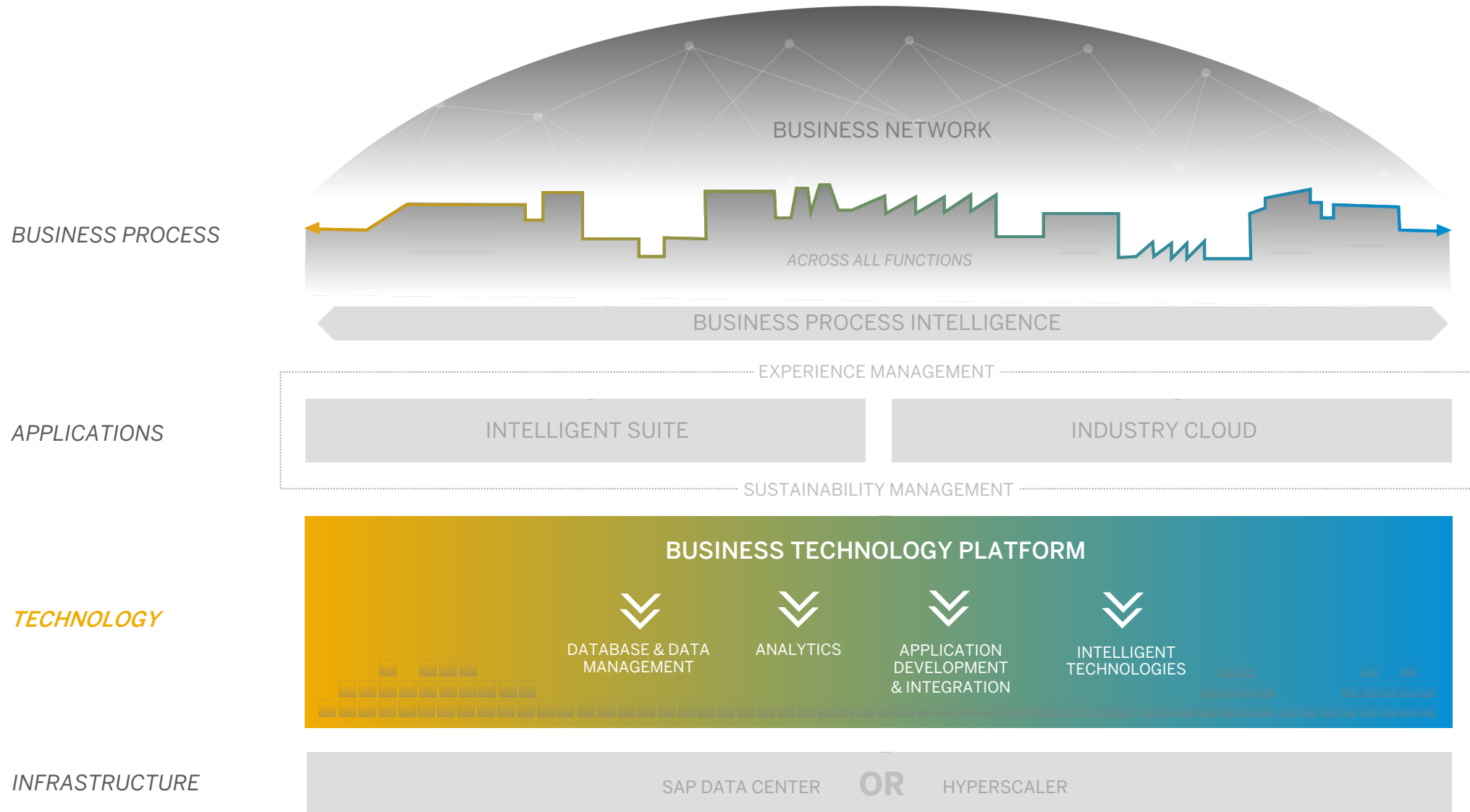


Implement Innovation and Transformation with **SAP Business Technology Platform**

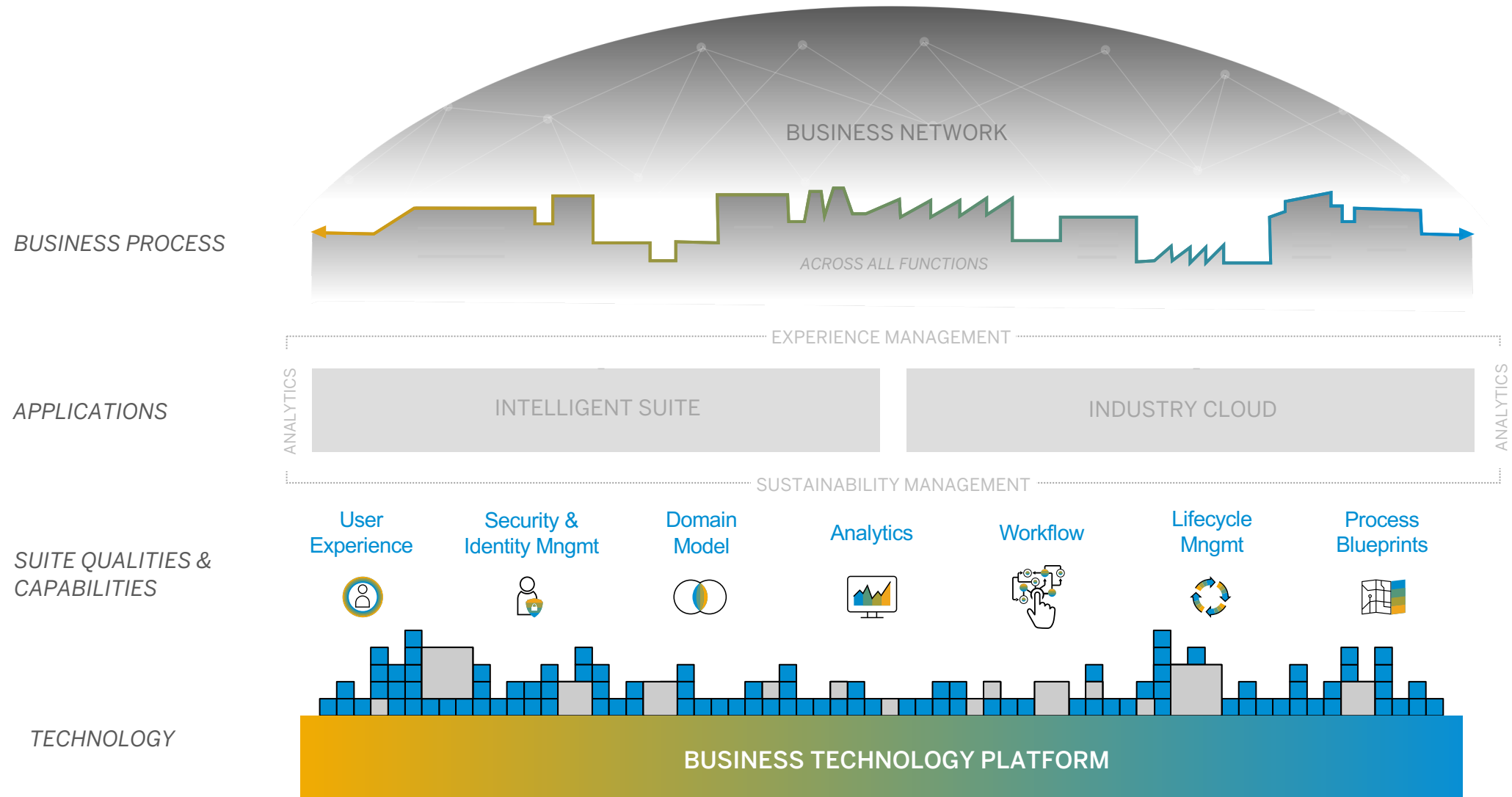
Anja Schneider, SVP and Chief Operating Officer | Board Area Technology & Innovation, SAP SE
November 12, 2021

PUBLIC

SAP Business Technology Platform the platform for the **Intelligent Enterprise**

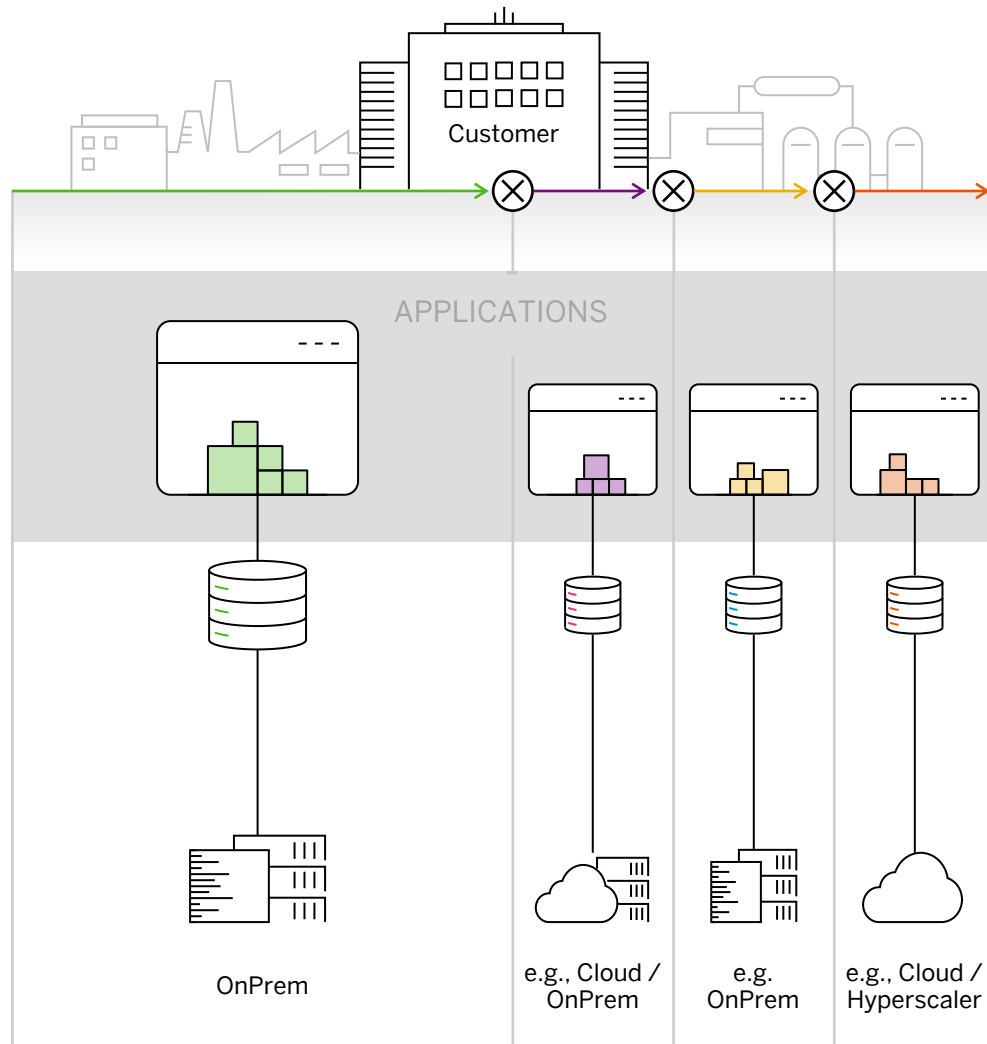


The platform providing qualities and capabilities for the **Intelligent Enterprise**

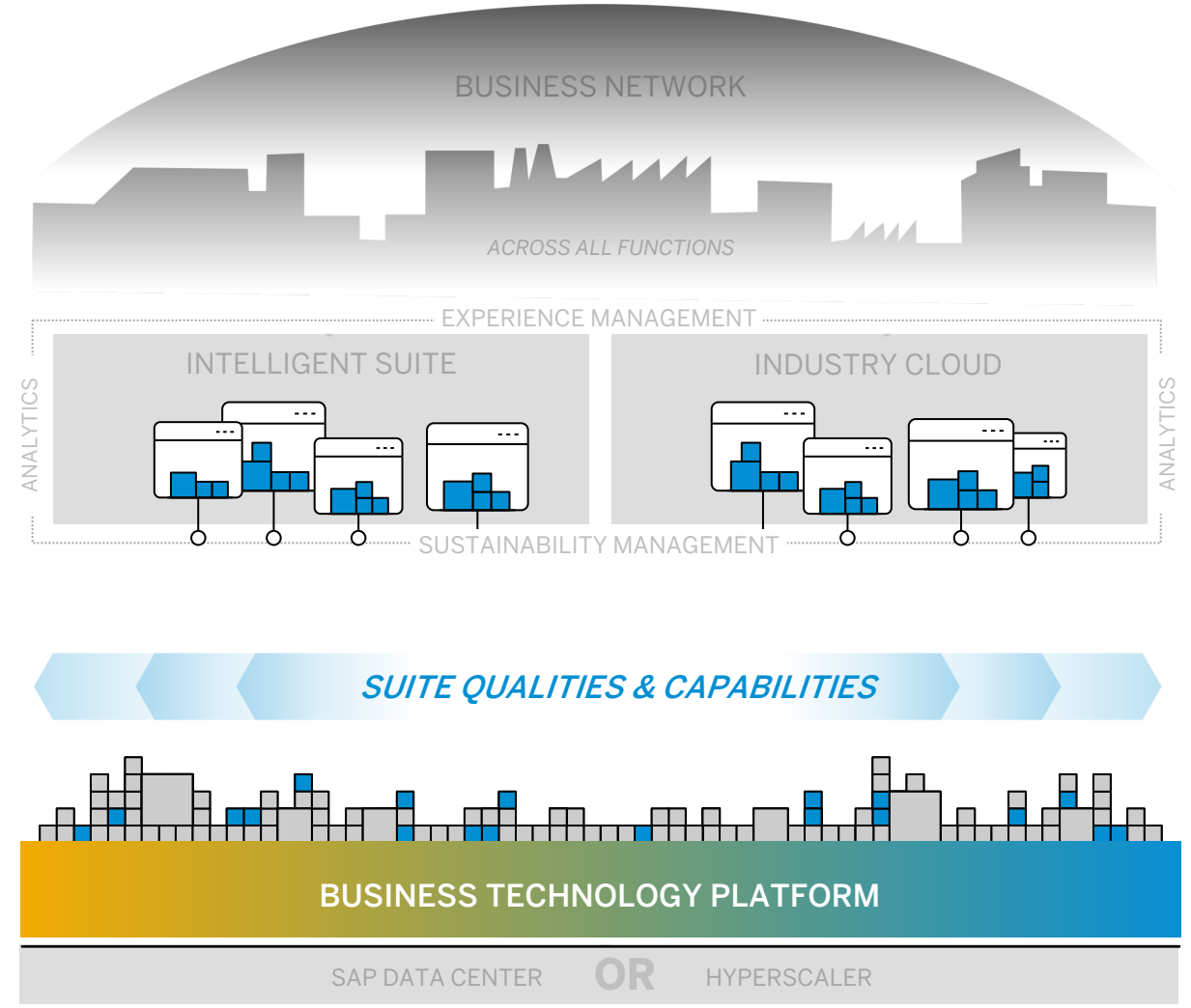


The platform supporting the journey towards an **Intelligent Enterprise**

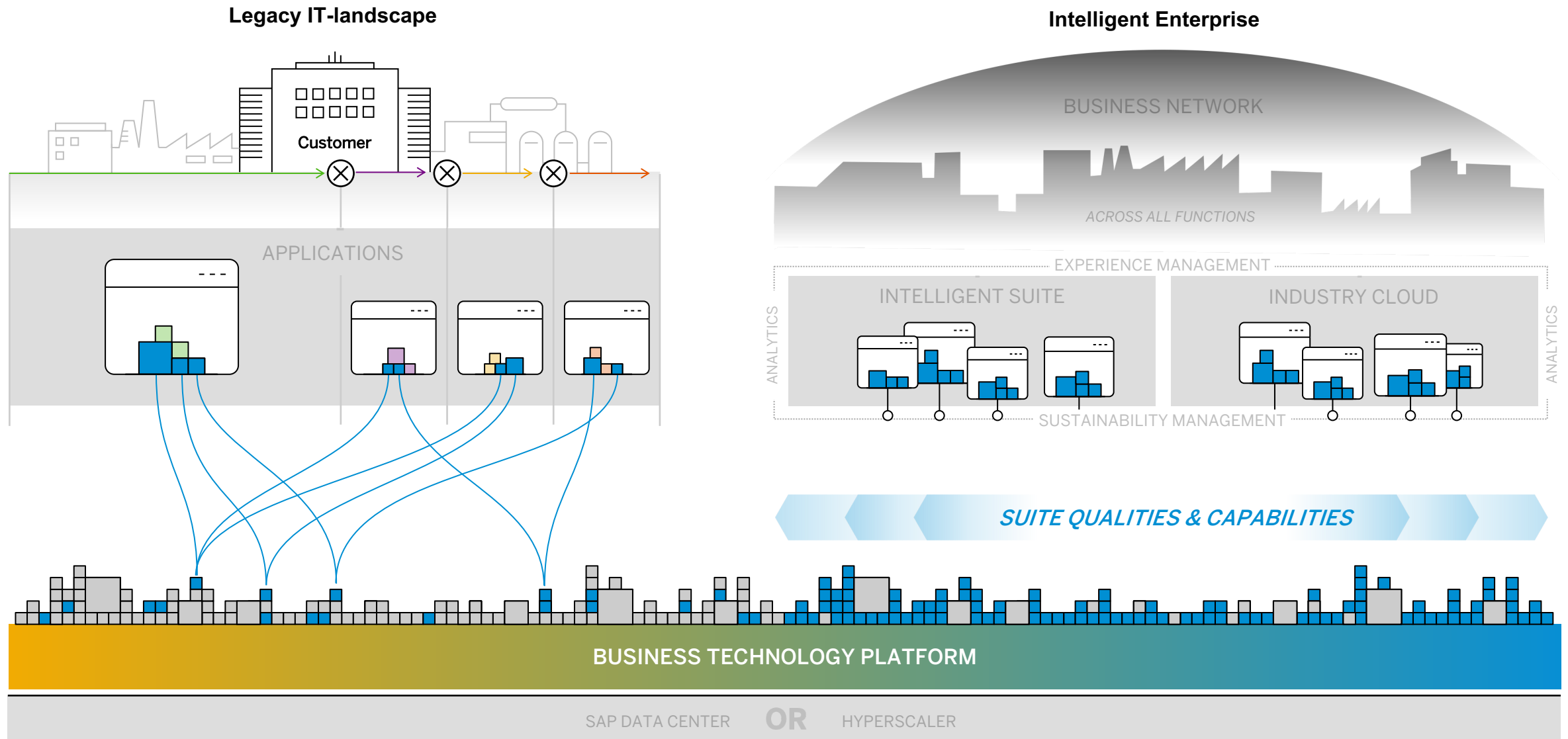
Legacy IT-landscape



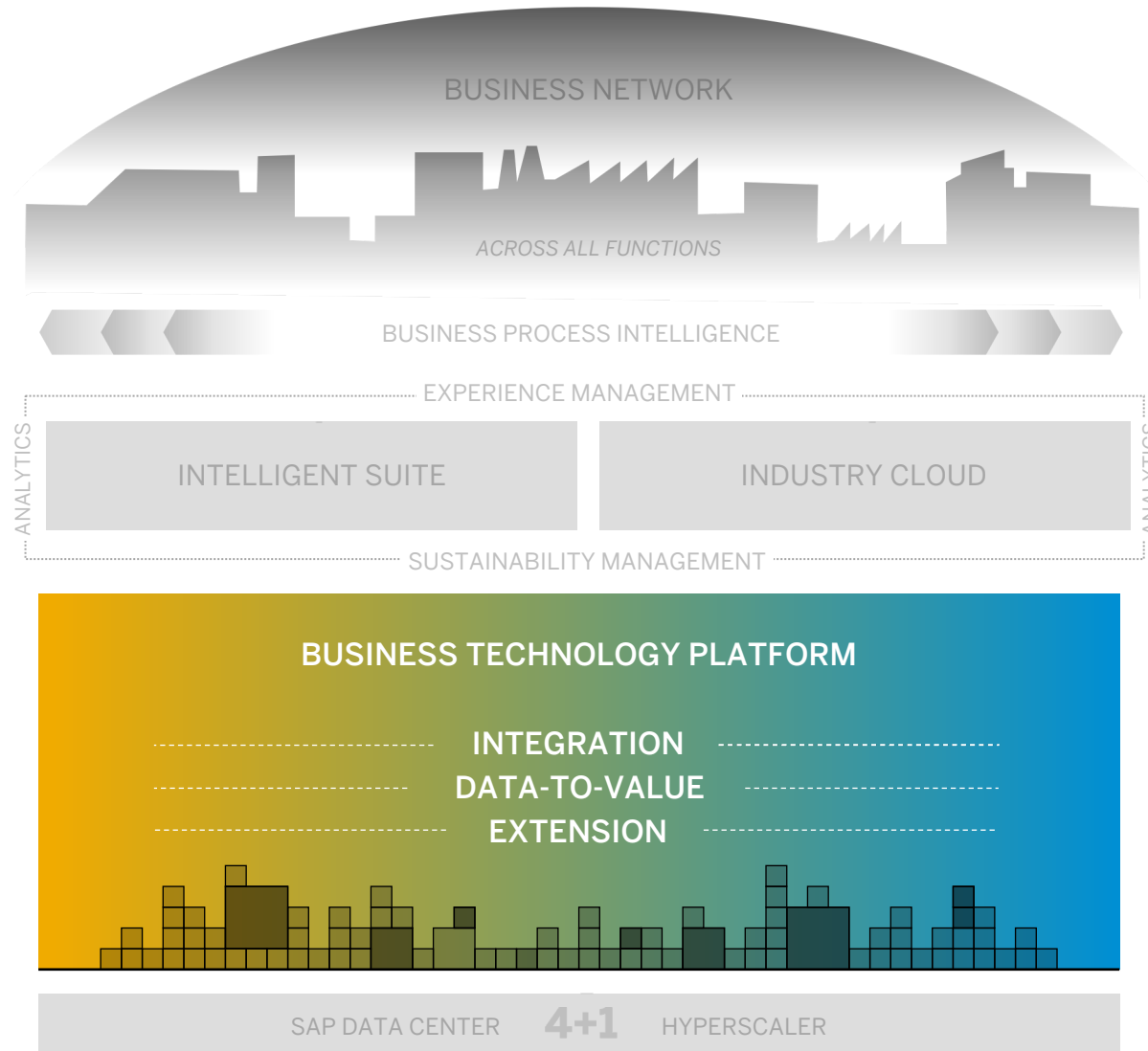
Intelligent Enterprise

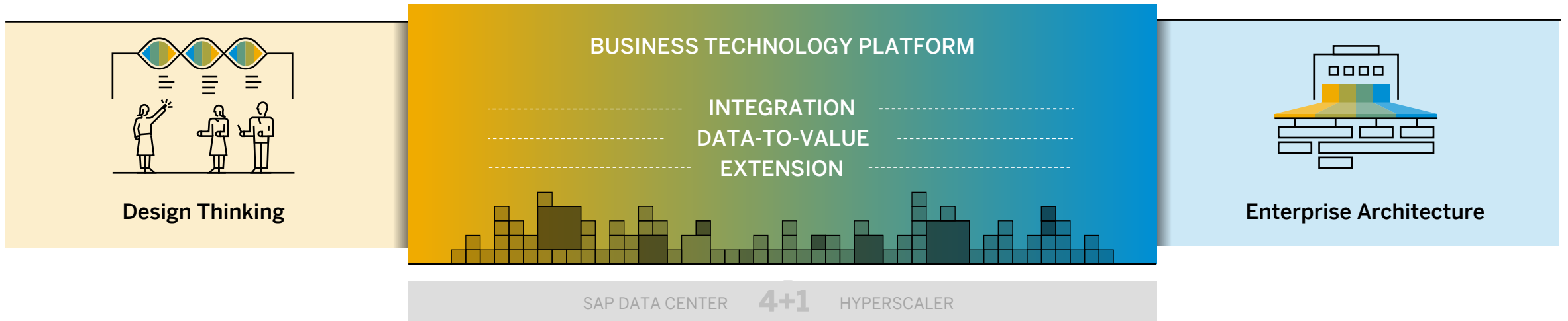
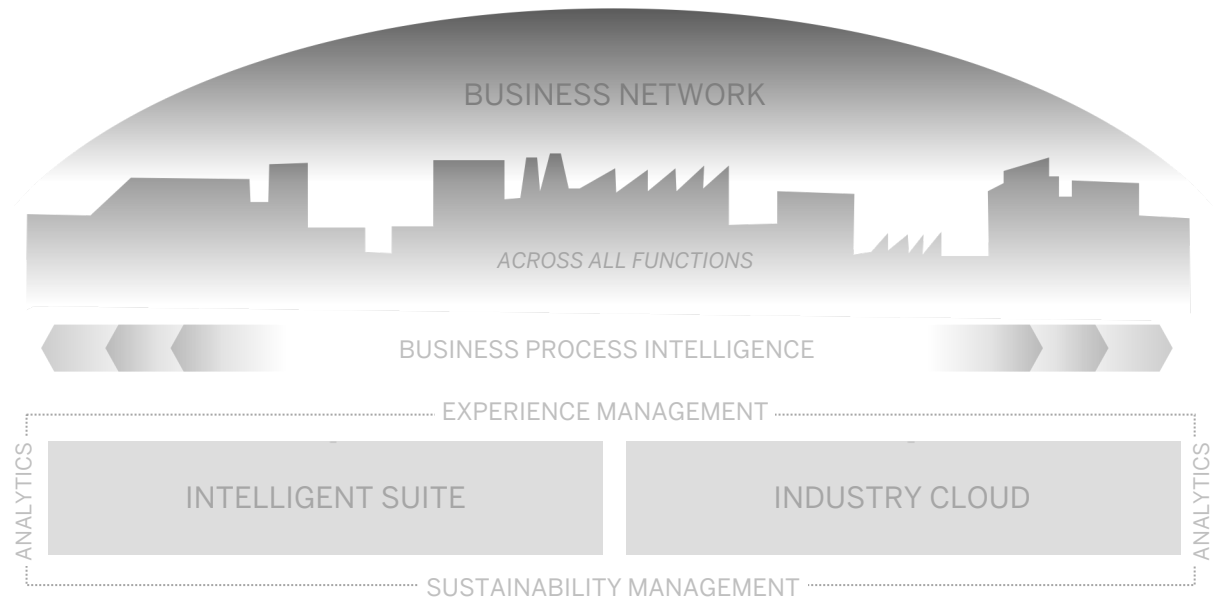


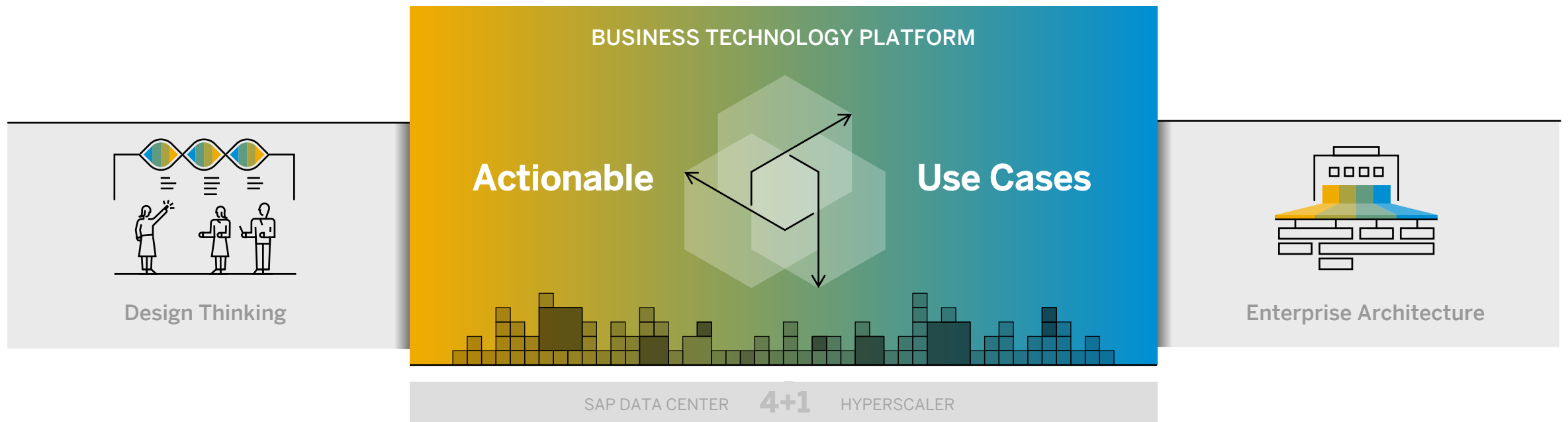
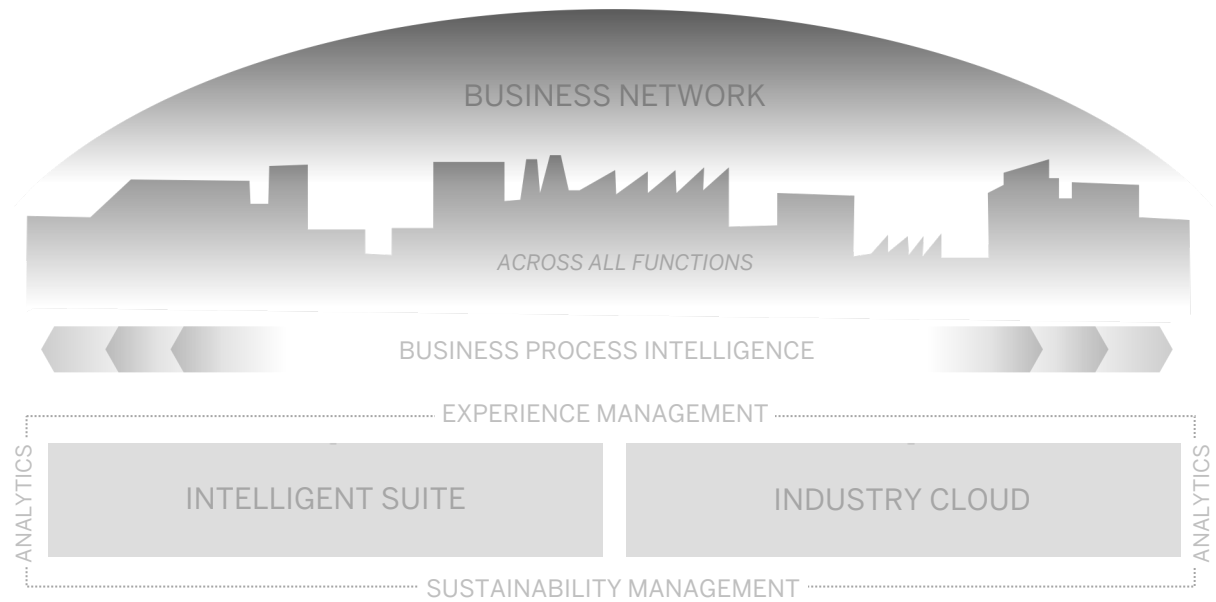
The platform supporting the journey towards an **Intelligent Enterprise**



The platform providing the **3 key scenarios**

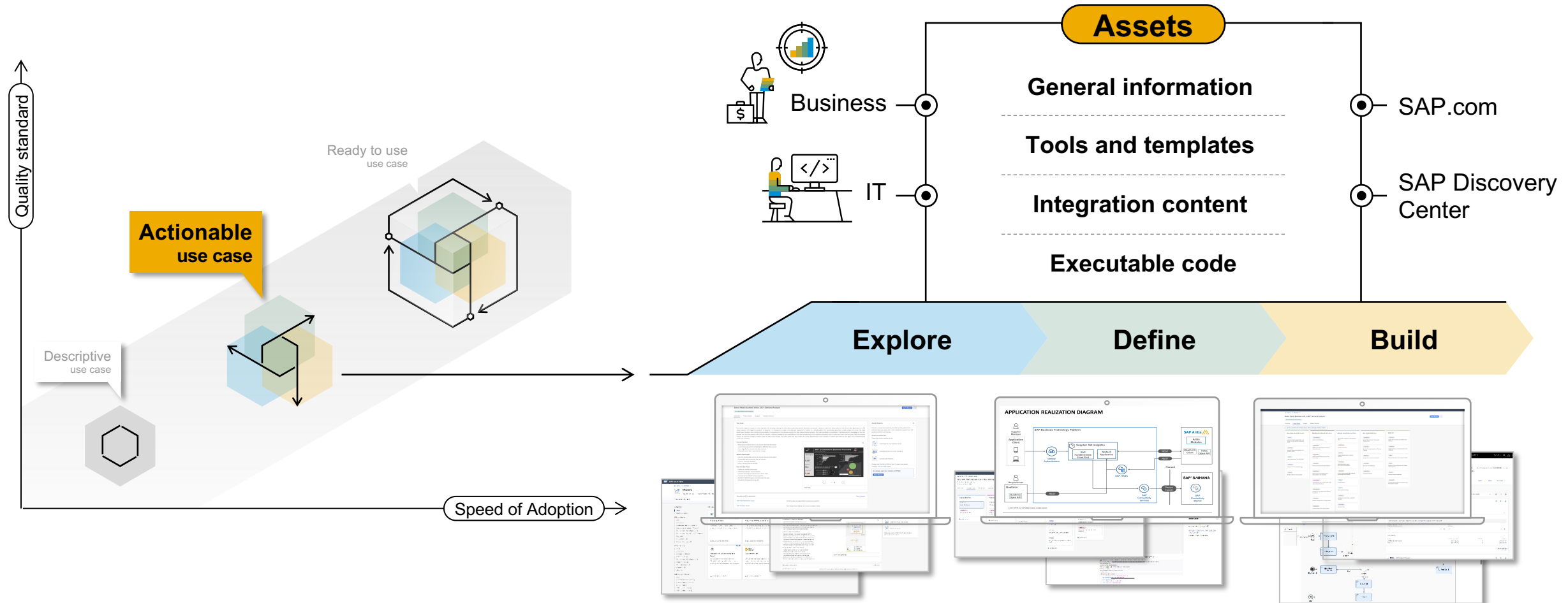






Actionable use cases

Enhanced in content and guidance **along the entire implementation journey**



Actionable use case I: Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud



SAP SAP Discovery Center

Home / Missions

Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud

Start Mission View Demo More

Overview Project Board Resources Support Related Missions

Use Case

Extend SAP S/4HANA Cloud on the SAP Business Technology Platform using state of the art methodologies and technologies. Put an event-driven architecture into action and use the Cloud Application Programming Model (CAP) building on S/4 events and SAP Event Mesh as event broker.

Try out our POC use case or use this mission as a template for your own use case reacting to events of your choice that you can browse for on <http://api.sap.com>

Current Position - What is the challenge?

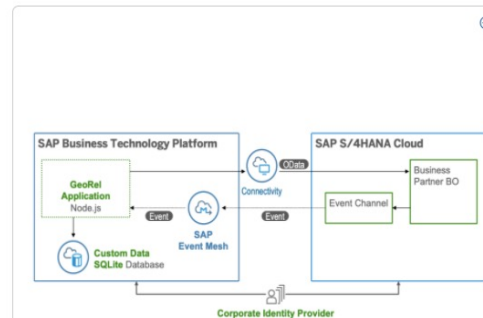
- Business Partner data available only in SAP S/4HANA system
- Call centre personnel needs SAP S/4HANA access for their work
- No custom UI for specific geo marketing use case

Destination - What is the outcome?

- Changes in S/4 communicated via events in real time to extension
- Custom extension application that works independently from S/4
- Call centre personnel only needs access to custom app

How You Get There - What is the solution?

- Learn the basics of events, the Extension Suite and CAP
- Setup and configure your environment end to end from S/4 to BTP
- Implement a fully working example app and use it as a basis



Solution Diagram

About Missions

Missions include best practices and step-by-step guidance for implementing use cases, with a well-established support from mission experts and SAP Community.

What it can do for you?

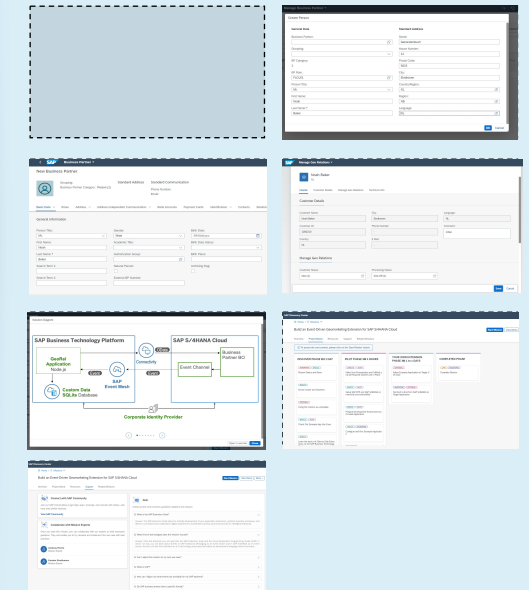
Starting a mission enables you to:

- Customize for your business needs
- Collaborate with your team members
- Connect with experts.

Please note that this is FREE of cost. To learn more about missions, visit our [Help Center](#).

Go ahead, start your mission for FREE!

Start Mission



Actionable use case I: Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud

Manage Business Partner

Create Person

General Data

Business Partner:

Grouping:

BP Category:

1

BP Role:

FLCU01

Person Title:

Mr.

First Name:

Noah

Last Name: *

Baker

Standard Address

Street:

Generalenbuurt

House Number:

12

Postal Code:

5623

City:

Eindhoven

Country/Region:

NL

Region:

NB

Language:

NL

OK Cancel



Actionable use case I: Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud

SAP Business Partner

New Business Partner

Grouping:
Business Partner Category: Person (1)

Standard Address
Standard Communication
Phone Number:
Email:

Basic Data ▾ Roles Address ▾ Address Independent Communication ▾ Bank Accounts Payment Cards Identification ▾ Contacts Relation

General Information

Person Title: Mr. ▾	Gender: Male ▾	Birth Date: MM/dd/yyyy 📅
First Name: Noah	Academic Title: ▾	Birth Date Status: ▾
Last Name: * Baker	Authorization Group: 📄	Birth Place:
Search Term 1: 	Natural Person: <input type="checkbox"/>	Archiving Flag: <input type="checkbox"/>
Search Term 2: 	External BP Number: 	

Collage of SAP S/4HANA Cloud Screenshots:

- SAP Business Technology Platform (BTP) Overview
- SAP S/4HANA Cloud Integration Diagram
- SAP S/4HANA Cloud Business Partner Data Table
- SAP S/4HANA Cloud Business Partner Data Table (Continued)

Actionable use case I: Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud

The screenshot shows the SAP 'Manage Geo Relations' interface for customer 'Noah Baker' (NL). The interface is divided into two main sections: 'Customer Details' and 'Manage Geo Relations'.

Customer Details:

- Customer Name: Noah Baker
- City: Eindhoven
- Language: NL
- Customer ID: 1000210
- Phone Number: -
- Comment: initial
- Country: NL
- E Mail: -

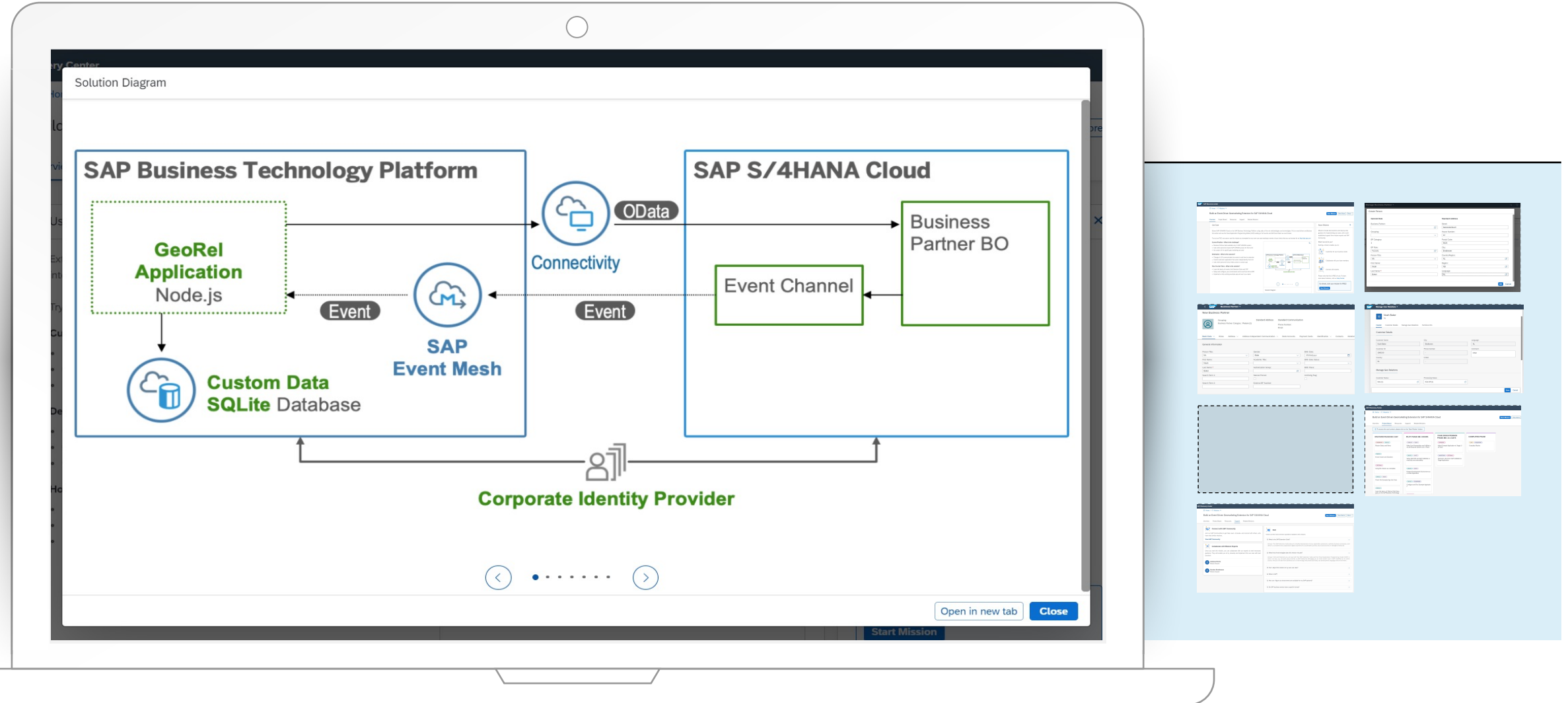
Manage Geo Relations:

- Customer Status: New (1)
- Processing Status: Kick-Off (1)

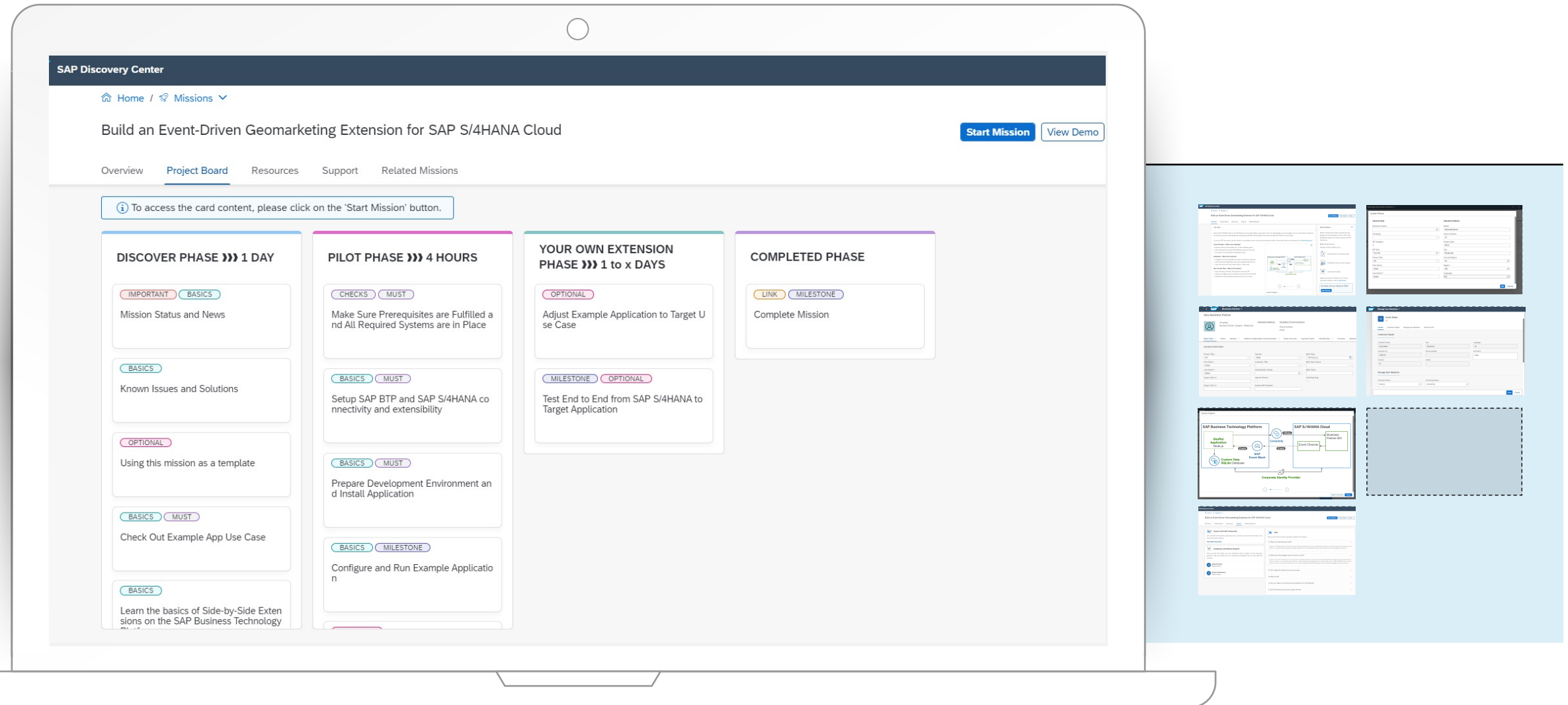
At the bottom right, there are 'Save' and 'Cancel' buttons.



Actionable use case I: Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud



Actionable use case I: Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud



Actionable use case I: Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud

SAP Discovery Center

Home / Missions

Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud

[Start Mission](#) [View Demo](#) [More](#)

Overview Project Board Resources **Support** Related Missions

Connect with SAP Community

Join our SAP Communities to get help, learn, innovate, and connect with others, who have tried similar missions.

[View SAP Community](#)

Collaborate with Mission Experts

Once you start this mission, you can collaborate with our experts to seek necessary guidance. They will enable you to try, develop and implement this use case with best practices.

Andreas Hirche
Mission Expert

Karsten Strothmann
Mission Expert

FAQ

Check out the most common questions related to this mission.

Q. What is the SAP Extension Suite?

Answer: The SAP Extension Suite allows to simplify development of your application extensions, optimize business processes, and deliver a consistent and collaborative digital experience to accelerate business value and become an intelligent enterprise.

Q. What kind of technologies does this mission include?

Answer: First and foremost you will see both the SAP Extension Suite and the Cloud Application Programming model (CAP) in action. On top, you will learn about events in SAP Enterprise Messaging as an event broker and in SAP S/4HANA as an event source. And you will see Fiori Elements as a UI technology and javascript/node.js as development language and environment.

Q. Can I adjust this mission to my own use case?


Q. What is CAP?

Q. How can I figure out what events are available for my SAP backend?

Q. Do SAP business events have a specific format?

Actionable use case II: Monitoring workspaces by overlaying floorplans with sensor data



 SAP Discovery Center

[Home](#) / [Missions](#) ▾

Monitoring workspaces by overlaying floorplans with sensor data

[View Your Mission](#) [More](#) ▾

[Overview](#) [Project Board](#) [Support](#) [Related Missions](#)

Use Case

Modern office buildings are getting more and more equipped with sensors for monitoring temperature, humidity, occupancy of seats etc. Facility planners and managers would like to know what happens at every moment, at every location, in order to manage the offices in a better way, to optimize the comfort and the energy consumption. Therefore, displaying the sensor data on top of office floorplans and integrating this with the sensor data and other analytical feature like forecasts becomes a natural requirement while ensuring and improving the employees' well-being.

Current Position - What is the challenge?

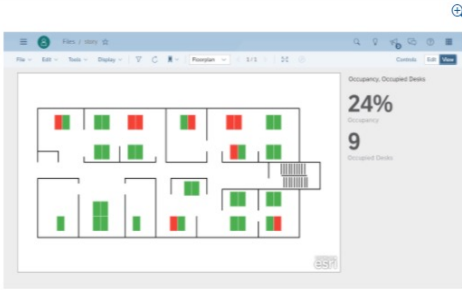
You want to visualize geometric shapes (floorplans) on a dashboard, and integrate these with the relevant measures available from sensor data. You want to define thresholds and color-code the map objects as well as the overlays. Besides this you also want to allow end users define their own scenarios and KPIs, based on the existing floorplans and sensor data, as well as model and design further SAC stories including the floorplans with overlays.

Destination - What is the outcome?

SAP Analytics Cloud can visualize floorplans and enrich with various measures, display the key figures directly on top of the plan/map at the right location. Points of Interest, as well as geometry shapes can be shown in different colors (conditional formatting). You can also analyze historical data and add other report elements using SAC story features. The built-in linked analysis helps to connect the floorplans with other story parts. Also the alerting function of SAC can be easily applied.

How You Get There - What is the solution?

The solution utilizes the geo-spatial capabilities of SAP HANA Cloud and SAC






Story Screenshot

About Missions

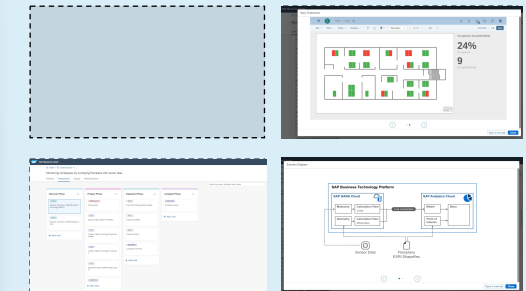
Missions include best practices and step-by-step guidance for implementing use cases, with a well-established support from mission experts and SAP Community.

What it can do for you?

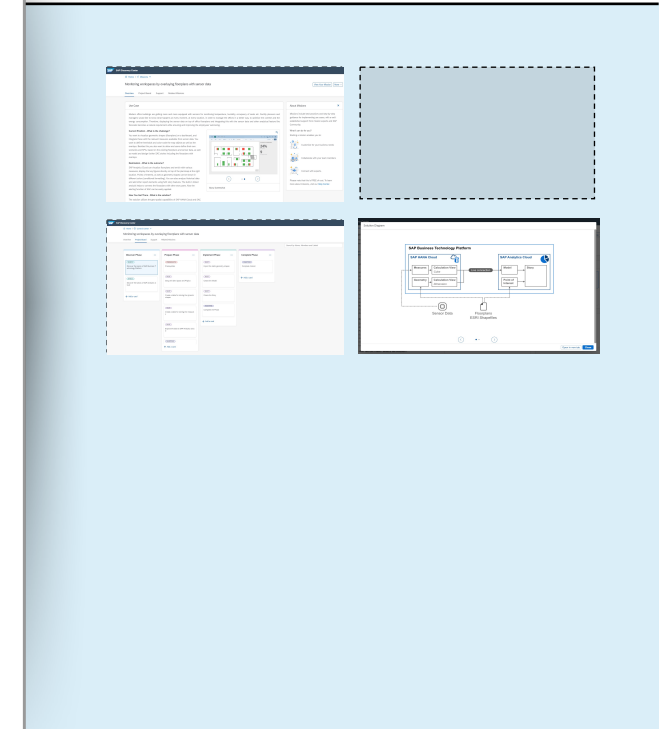
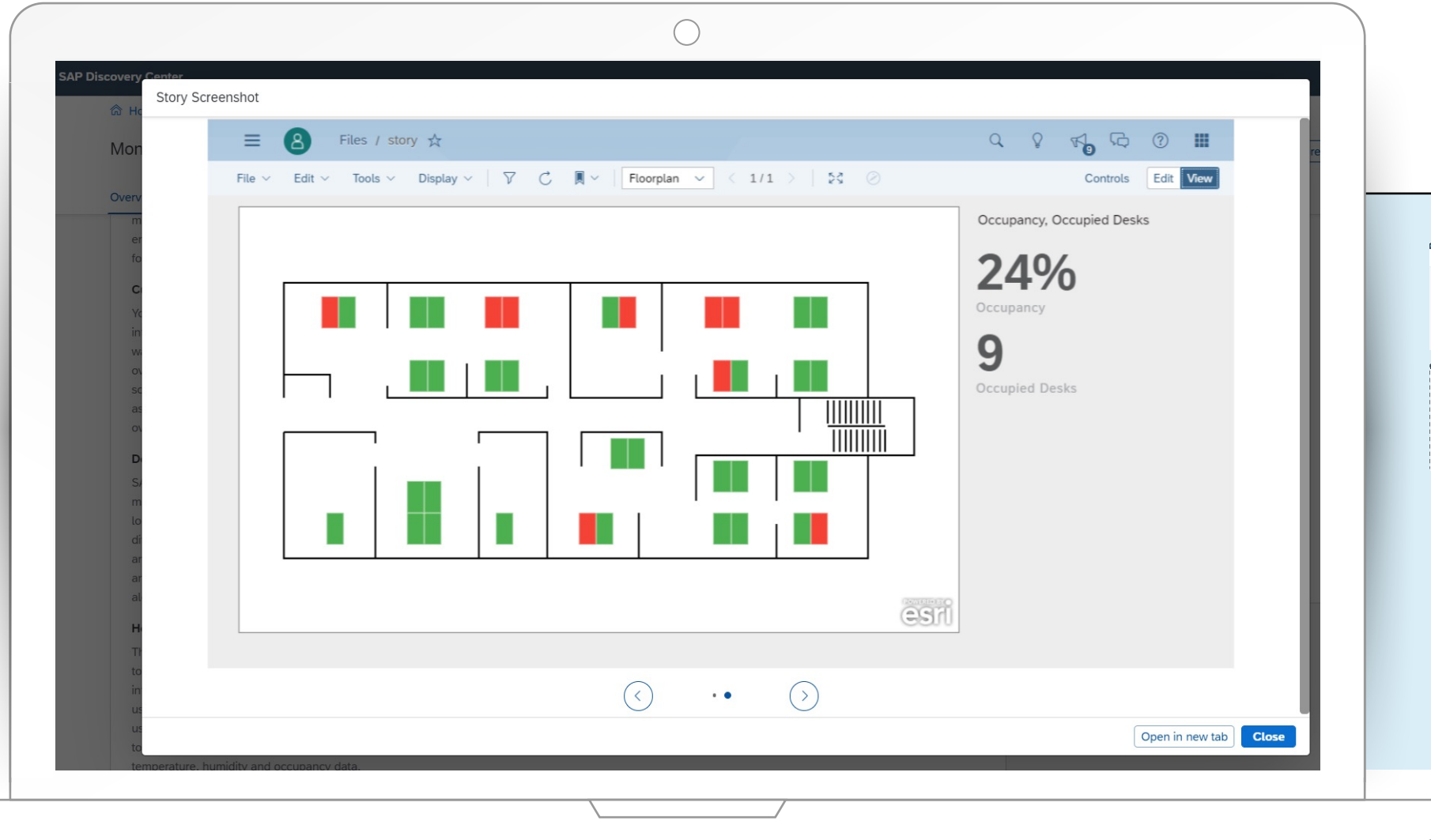
Starting a mission enables you to:

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-  Collaborate with your team members
-  Connect with experts.

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Actionable use case II: Monitoring workspaces by overlaying floorplans with sensor data



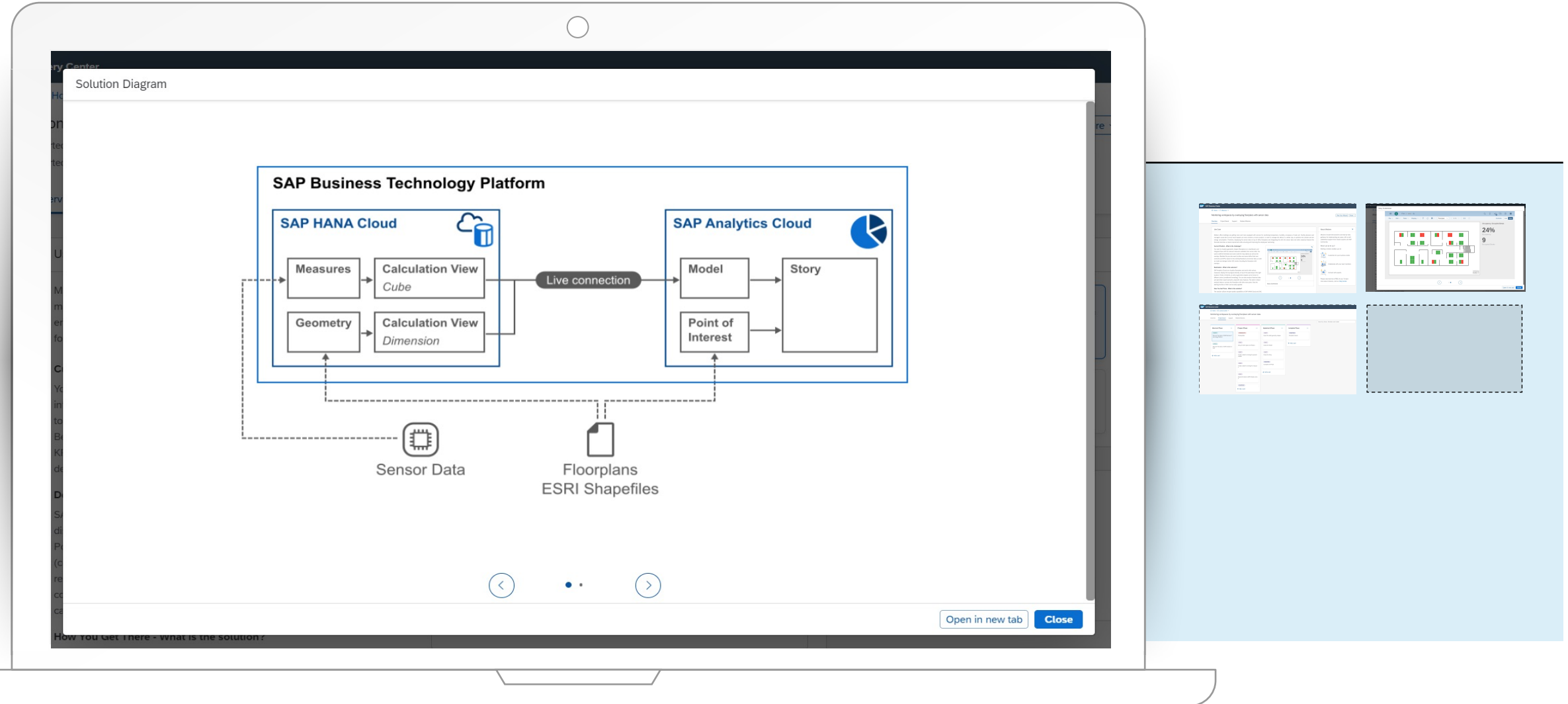
Actionable use case II: Monitoring workspaces by overlaying floorplans with sensor data

The screenshot displays the SAP Discovery Center interface, specifically the 'Monitoring workspaces by overlaying floorplans with sensor data' project board. The interface is organized into four main phases, each with a set of cards representing tasks or milestones.

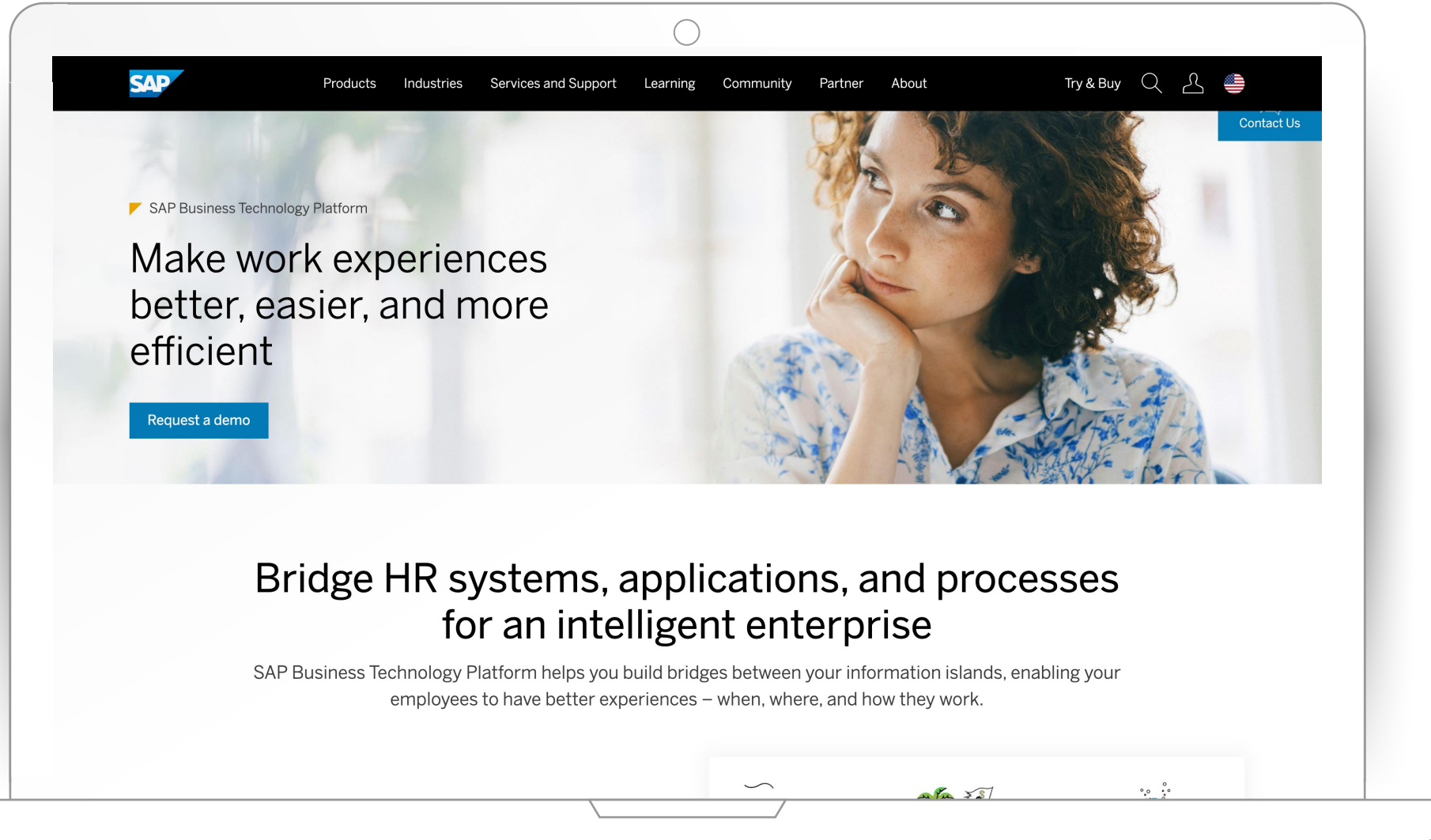
- Discover Phase:** Contains two 'BASICS' cards. The first card is titled 'Discover the basics of SAP Business Technology Platform' and the second is 'Discover the basics of SAP Analytics Cloud'. Both cards have a '+ Add a card' button at the bottom.
- Prepare Phase:** Contains a 'PREREQUISITE' card titled 'Prerequisites' and three 'MUST' cards. The 'MUST' cards are: 'Setup the Dev Space and Project', 'Create a table for storing the dynamic shapes', and 'Create a table for storing the measures'. There is also a 'MILESTONE' card at the bottom. Each card has a '+ Add a card' button at the bottom.
- Implement Phase:** Contains three 'MUST' cards and one 'MILESTONE' card. The 'MUST' cards are: 'Import the static geometry shapes', 'Create the Model', and 'Create the Story'. The 'MILESTONE' card is 'Complete the Phase'. Each card has a '+ Add a card' button at the bottom.
- Complete Phase:** Contains one 'MILESTONE' card titled 'Complete mission' and a '+ Add a card' button at the bottom.

On the right side of the interface, there is a search bar labeled 'Search by Name, Members and Labels'. Below the search bar, there are four small thumbnail images showing different views of the workspace monitoring interface, including a floorplan overlay and a sensor data visualization.

Actionable use case II: Monitoring workspaces by overlaying floorplans with sensor data



SAP BTP for LoB pages



- [SAP BTP for HR](#)
- [SAP BTP for ERP](#)
- [SAP BTP for DSC](#)
- [SAP BTP for ISM](#)

SAP BTP for LoB pages

Explore use cases on how SAP BTP can help support your HR needs

View business use cases that showcase the business value HR managers and teams can achieve with SAP Business Technology Platform, along with technical use cases that provide the information your IT and development teams need to implement our use cases.

Business Use Case

Streamline complex calculations to reduce errors

HR use case: Calculate employee seniority with event-driven extensions

 [Learn more](#)

Business Use Case

Simplify new hire onboarding processes

HR use case: Use e-signatures to streamline new hire onboarding processes

 [Learn more](#)

Technical Use Case

Transform your workforce strategy

HR use case: Plan and predict the future development of workforce demand and supply

 [Learn more](#)

Technical Use Case

Simulate reorganizations and model your workforce

HR use case: Simulate reorganizations and model your workforce

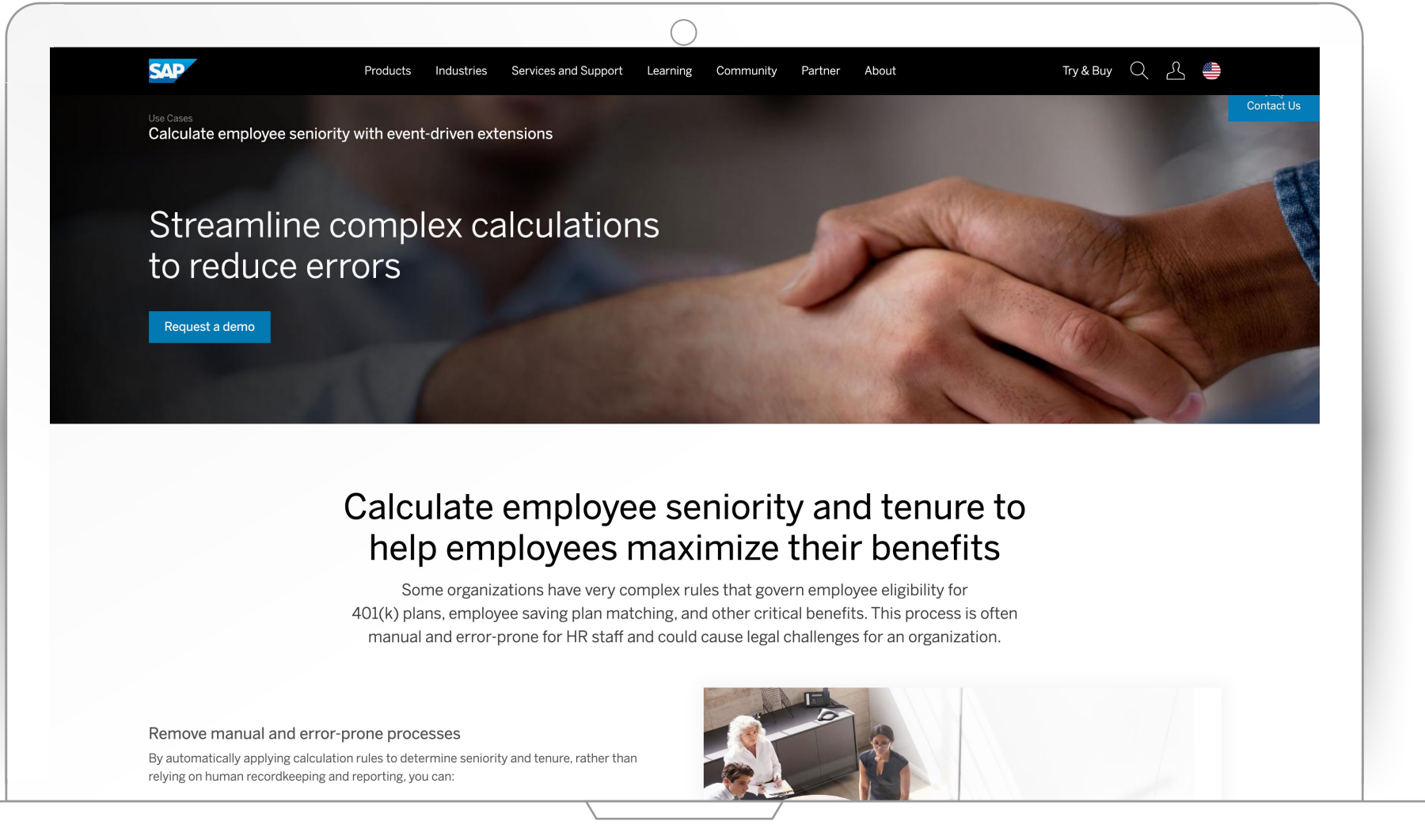
 [Learn more](#)



[SAP.com](https://www.sap.com)

- [SAP BTP for HR](#)
- [SAP BTP for ERP](#)
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- [SAP BTP for ISM](#)

SAP BTP for LoB pages



The screenshot displays the SAP BTP for LoB page. The top navigation bar includes links for Products, Industries, Services and Support, Learning, Community, Partner, and About, along with a 'Try & Buy' button and a search icon. The main hero section features a large image of two hands shaking, with the text 'Streamline complex calculations to reduce errors' and a 'Request a demo' button. Below this, a sub-section titled 'Calculate employee seniority and tenure to help employees maximize their benefits' includes a paragraph about the complexity of manual calculations and a photo of three people in an office setting.

Use Cases
Calculate employee seniority with event-driven extensions

Contact Us

Streamline complex calculations to reduce errors

Request a demo

Calculate employee seniority and tenure to help employees maximize their benefits

Some organizations have very complex rules that govern employee eligibility for 401(k) plans, employee saving plan matching, and other critical benefits. This process is often manual and error-prone for HR staff and could cause legal challenges for an organization.

Remove manual and error-prone processes

By automatically applying calculation rules to determine seniority and tenure, rather than relying on human recordkeeping and reporting, you can:



- [SAP BTP for HR](#)
- [SAP BTP for ERP](#)
- [SAP BTP for DSC](#)
- [SAP BTP for ISM](#)

SAP BTP for LoB pages

>1,700

complex business rules for calculating seniority are managed automatically behind the scenes.

Zero

data calculation errors post-implementation.

>130,000

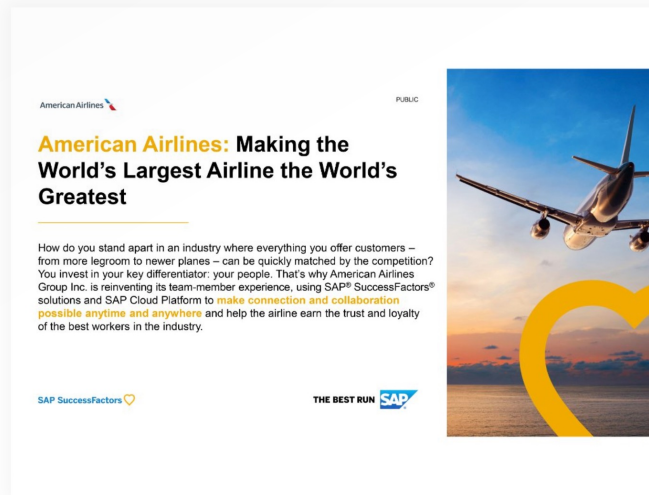
employees worldwide unified as one organization.

Transforming the workforce strategy at American Airlines

Creating a world-class customer experience starts with your people. To reach that goal, American Airlines is transforming its workforce management strategy to establish a people-first culture.

“With SAP Business Technology Platform and SAP SuccessFactors solutions, we can reach every team member in every location to deliver consistent experiences and instantly release new capabilities.”

American Airlines Group Inc.



[Read the customer story](#)



[SAP.com](https://www.sap.com)

- [SAP BTP for HR](#)
- [SAP BTP for ERP](#)
- [SAP BTP for DSC](#)
- [SAP BTP for ISM](#)

SAP BTP for LoB pages

Share this use case with your technical team

SAP Discovery Center offers your developers and IT teams the comprehensive implementation information needed to run this use case.

[Visit SAP Discovery Center for details and implementation](#)

Questions? Get in touch!



- [SAP BTP for HR](#)
- [SAP BTP for ERP](#)
- [SAP BTP for DSC](#)
- [SAP BTP for ISM](#)

Conclusion

1

Courage to change

Intelligent enterprises are more resilient and capable of taking advantage of new growth opportunities. We have aligned our strategic focus on a future-proof portfolio that provides our customers with a structured path to the intelligent enterprise and the cloud.

2

Transformation & Innovation with SAP Business Technology Platform (SAP BTP)

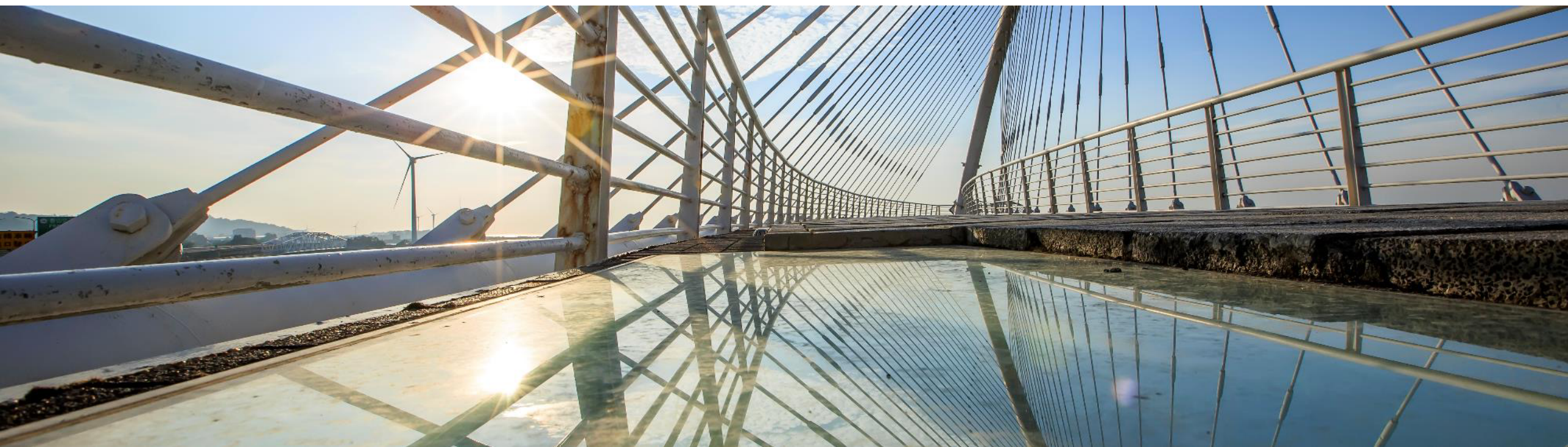
From classic processes to intelligent solutions. SAP Business Technology Platform is at the heart of SAP's overall strategy as an enabler and is the bridge to the cloud.

3

Methodology & tools

SAP BTP supports a progressive approach to selecting Actionable Use Cases. Organizations benefit from clear guidance, tools, templates, and specific integration content or code samples that simplify and accelerate the selection, project planning, and implementation of technology solutions to create real and immediate business value.

Q&A



Thank you.

Anja Schneider

SVP and Chief Operating Officer Board
Area Technology & Innovation, SAP SE



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