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How to support a SAP S/4HANA transformation with LeanIX?

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Consulting

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Agenda

About Deloitte

SAP S/4HANA Service Portfolio

S/4HANA Transformation Approach

LeanIX as accelerator in a S/4HANA Transformation

Integration of LeanIX & SAP Solution Manager

About Deloitte | SAP & LeanIX Expertise

Total number of employees **312.000**, revenue **US$ 46.2 Billion**
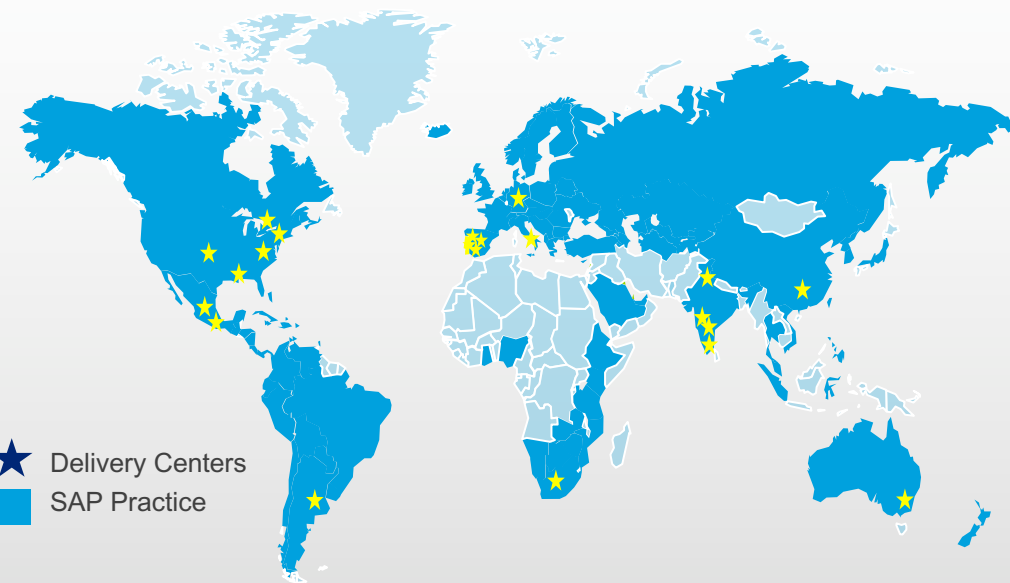
> 18.000 SAP consultants world wide

Very high client satisfaction rating from SAP

Certified LeanIX partner since 2018

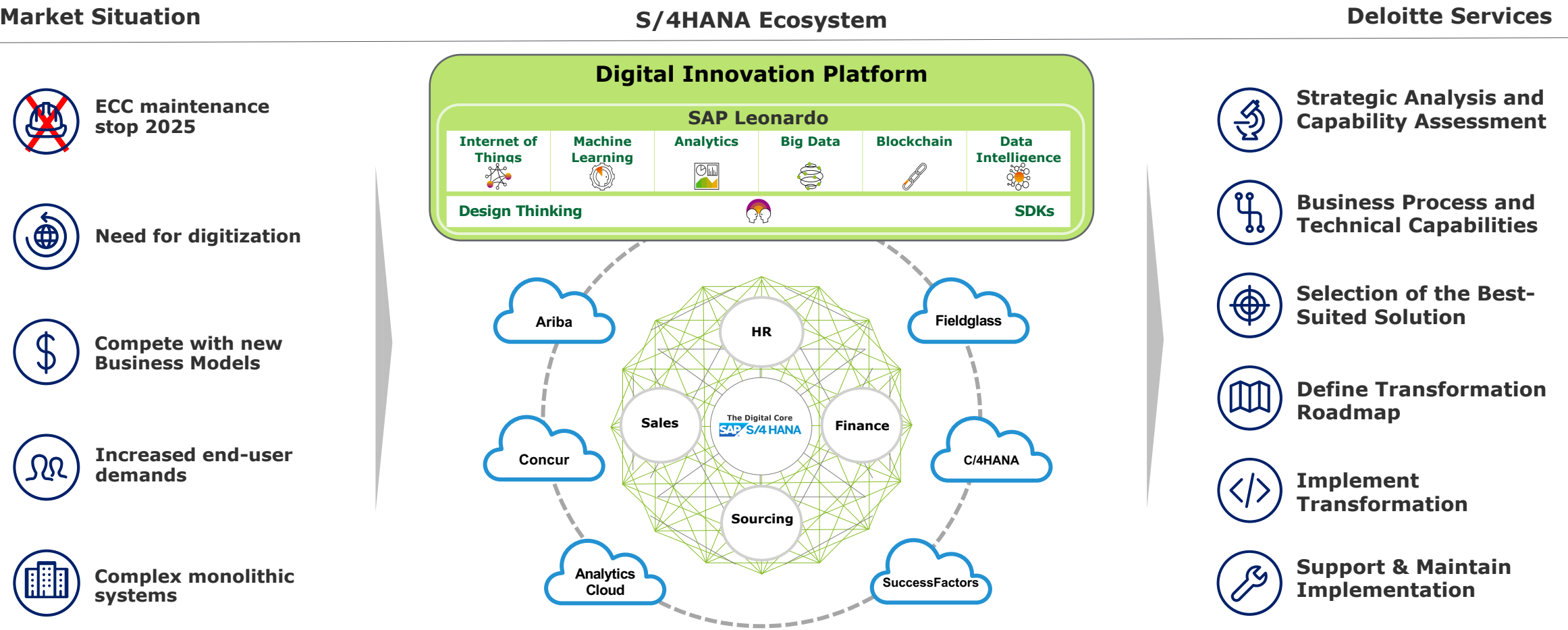Pinnacle award: Digital Partner of the year 2019

★ Delivery Centers
■ SAP Practice

Deloitte delivery centers are CMMI 5 certified and ISO 9000/9001 compliant
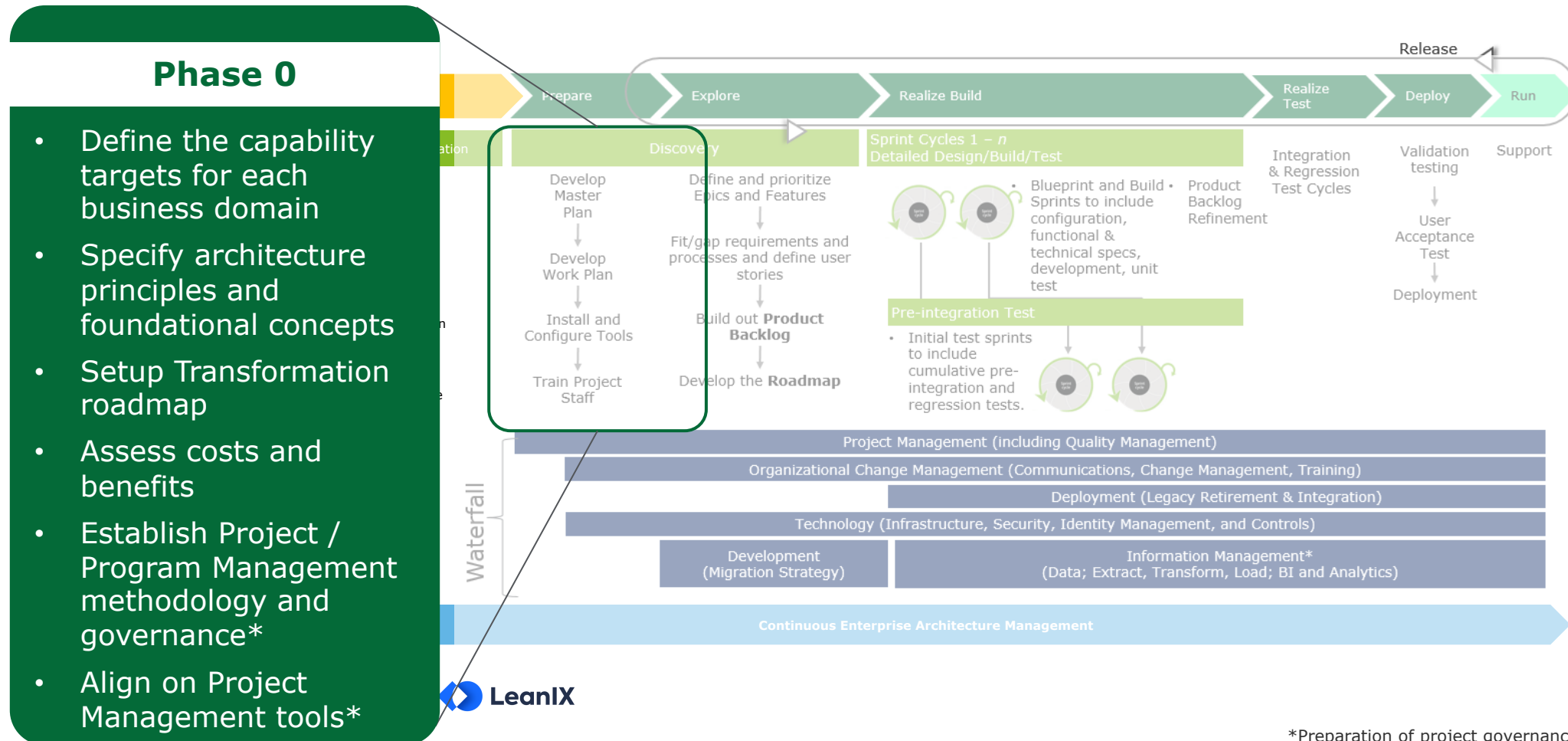
Deloitte SAP S/4HANA Service Portfolio

S/4HANA brings a paradigm shift from a monolithic ERP system to a digital platform leveraging new technologies with ERP functionality at it's core

Market Situation

- ECC maintenance stop 2025
- Need for digitization
- Compete with new Business Models
- Increased end-user demands
- Complex monolithic systems

S/4HANA Ecosystem

Digital Innovation Platform

SAP Leonardo

Internet of Things	Machine Learning	Analytics	Big Data	Blockchain	Data Intelligence

Design Thinking — SDKs

Ariba · HR · Fieldglass · Sales · The Digital Core SAP S/4HANA · Finance · Concur · C/4HANA · Sourcing · Analytics Cloud · SuccessFactors

Deloitte Services

- Strategic Analysis and Capability Assessment
- Business Process and Technical Capabilities
- Selection of the Best-Suited Solution
- Define Transformation Roadmap
- Implement Transformation
- Support & Maintain Implementation

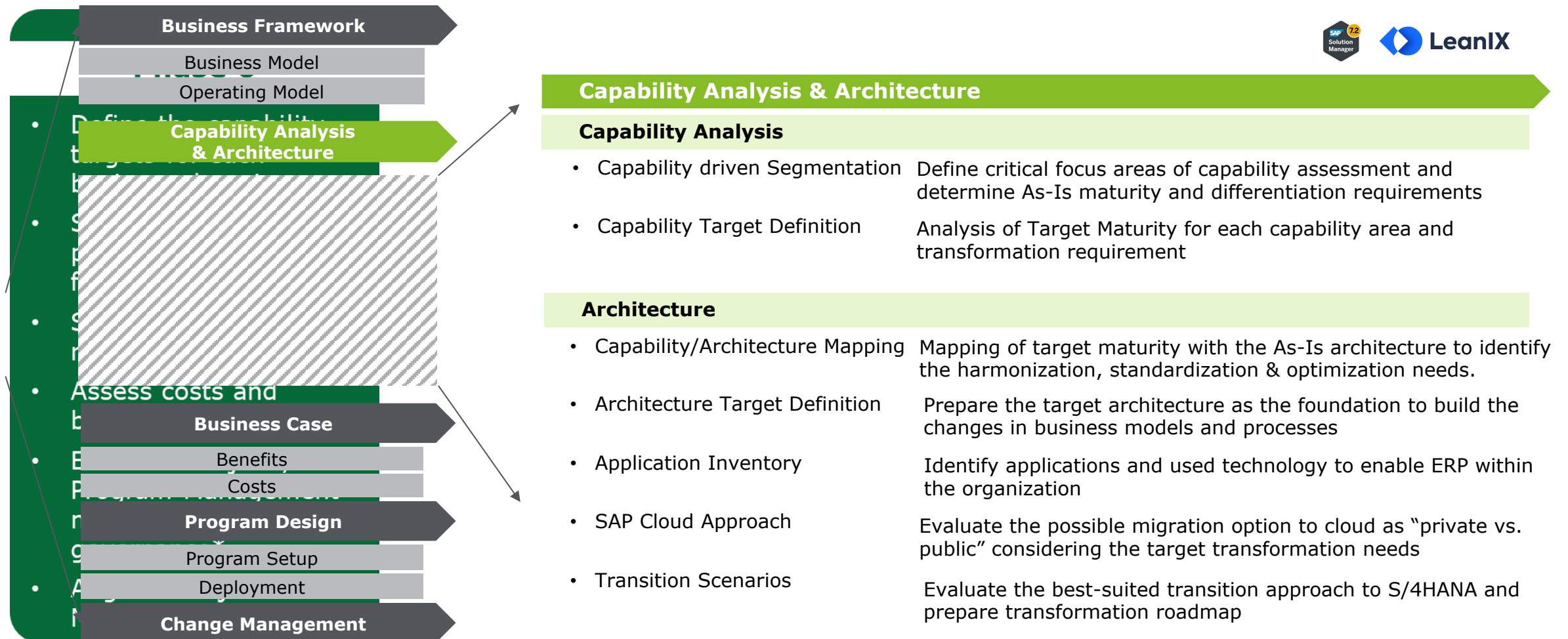# Deloitte Implementation Method for Business Transformations with S/4HANA

We extended our guiding methodology to deliver Transformation Projects by a Strategy & Foundation Phase, a so called Phase 0

Phase 0

- Define the capability targets for each business domain
- Specify architecture principles and foundational concepts
- Setup Transformation roadmap
- Assess costs and benefits
- Establish Project / Program Management methodology and governance*
- Align on Project Management tools*

Release

| Prepare | Explore | Realize Build | | Realize Test | Deploy | Run |

Discovery

Develop Master Plan

Develop Work Plan

Install and Configure Tools

Train Project Staff

Define and prioritize Epics and Features

Fit/gap requirements and processes and define user stories

Build out **Product Backlog**

Develop the **Roadmap**

Sprint Cycles 1 – *n*
Detailed Design/Build/Test

- Blueprint and Build Sprints to include configuration, functional & technical specs, development, unit test
- Product Backlog Refinement

Pre-integration Test

- Initial test sprints to include cumulative pre-integration and regression tests.

Integration & Regression Test Cycles

Validation testing

User Acceptance Test

Deployment

Support

Project Management (including Quality Management)

Organizational Change Management (Communications, Change Management, Training)

Deployment (Legacy Retirement & Integration)

Technology (Infrastructure, Security, Identity Management, and Controls)

Development (Migration Strategy)

Information Management* (Data; Extract, Transform, Load; BI and Analytics)

Waterfall

Continuous Enterprise Architecture Management

LeanIX

*Preparation of project governance and tools within phase 0

# S/4HANA Transformation Phase 0 in Detail

Phase 0 sets the foundation for every SAP S/4HANA transformation. Deliverables from Business and IT Architecture are essential to build this foundation

Business Framework

Business Model

Operating Model

Capability Analysis & Architecture

Phase 0

- Define the capability...
- ...
- Assess costs and b...

Business Case

Benefits

Costs

- E...
- P...
- ...

Program Design

Program Setup

Deployment

- A...
- ...

Change Management

SAP 7.2 Solution Manager · LeanIX

Capability Analysis & Architecture

Capability Analysis

- Capability driven Segmentation — Define critical focus areas of capability assessment and determine As-Is maturity and differentiation requirements

- Capability Target Definition — Analysis of Target Maturity for each capability area and transformation requirement

Architecture

- Capability/Architecture Mapping — Mapping of target maturity with the As-Is architecture to identify the harmonization, standardization & optimization needs.

- Architecture Target Definition — Prepare the target architecture as the foundation to build the changes in business models and processes

- Application Inventory — Identify applications and used technology to enable ERP within the organization

- SAP Cloud Approach — Evaluate the possible migration option to cloud as "private vs. public" considering the target transformation needs

- Transition Scenarios — Evaluate the best-suited transition approach to S/4HANA and prepare transformation roadmap

Architecture Target Definition (1/4)

 LeanIX

Architecture		Supported in LeanIX
Architecture Target Definition	Prepare the target architecture as the foundation to build the changes in business models and processes.	Option 1: Define application landscape. Set filter on ERP applications and apply view for capability segmentation.
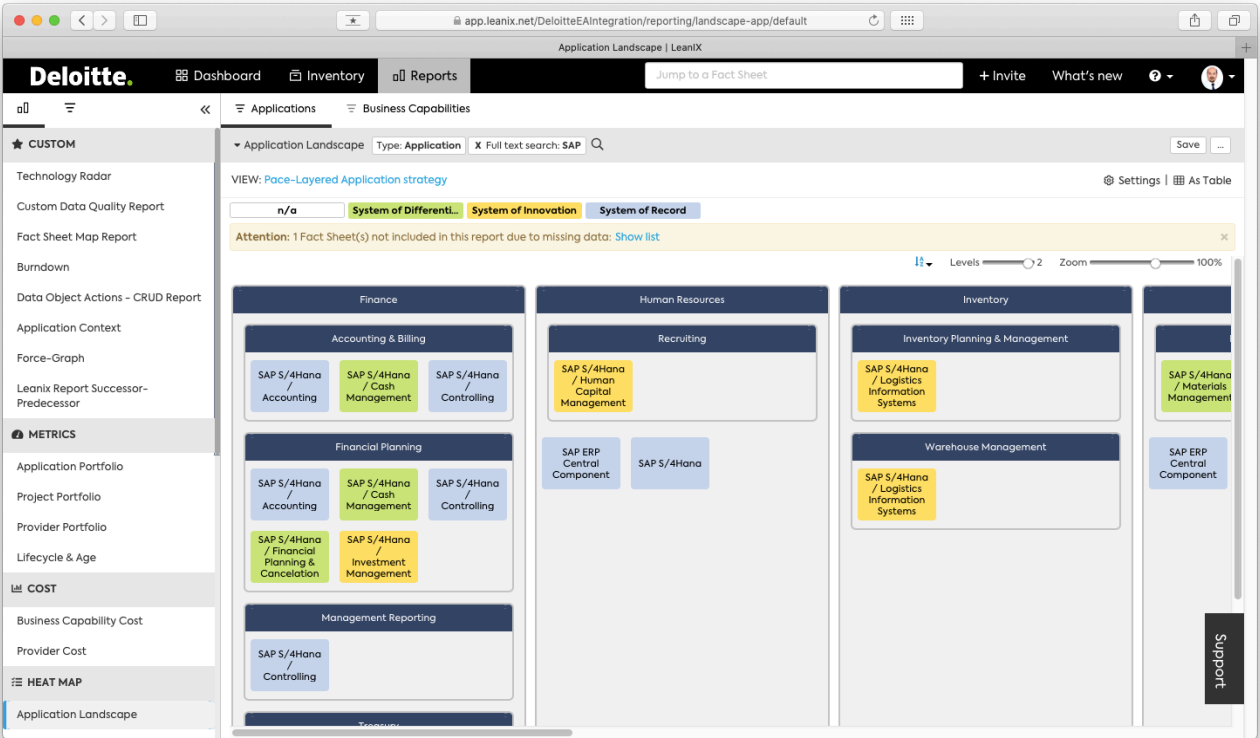
Business Capability x Application View with Gartner Pace-Layered Application Strategy Heatmap

How to support a SAP S/4HANA transformation with LeanIX?

Architecture Target Definition (2/4)

Architecture		Supported in LeanIX
Architecture Target Definition	Prepare the target architecture as the foundation to build the changes in business models and processes.	Option 2: Analyze dependencies of to-be applications to the architecture , e.g. S/4HANA as parent application.

Live traceable relation diagram – LeanIX Smart Xplore™
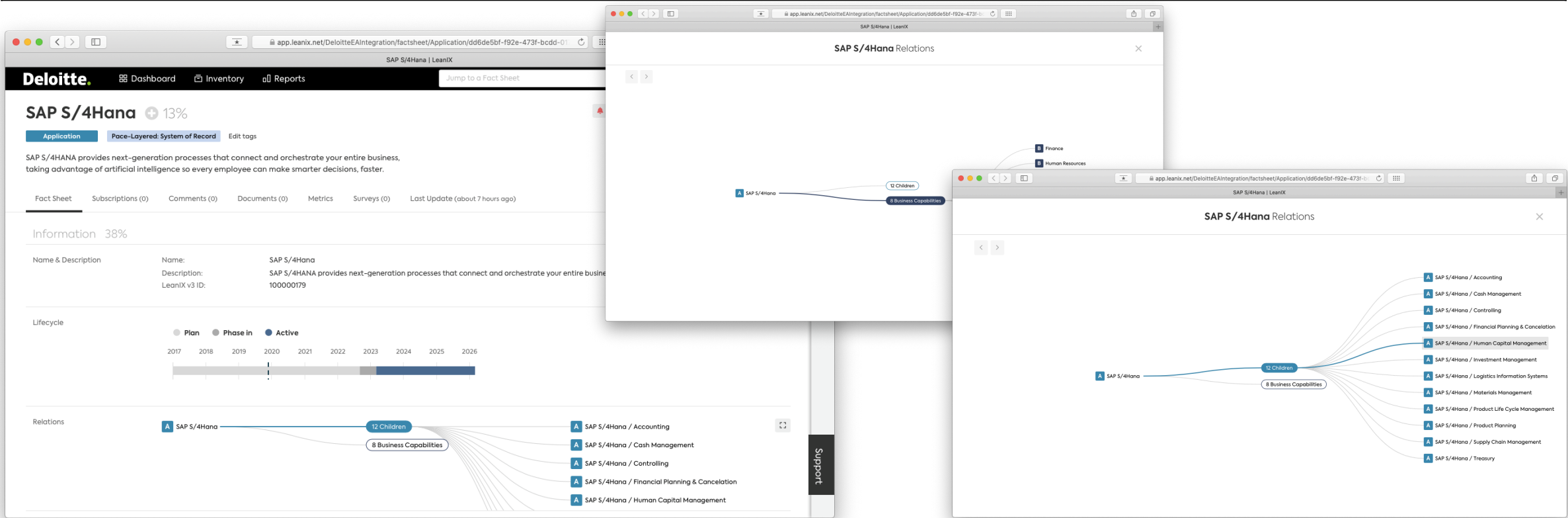
Architecture Target Definition (3/4)

Architecture		Supported in LeanIX
Architecture Target Definition	Prepare the target architecture as the foundation to build the changes in business models and processes.	Option 3: Focus on integration via the analysis of information flows / interfaces and used IT components.

Live traceable relation diagram – LeanIX Smart Xplore™

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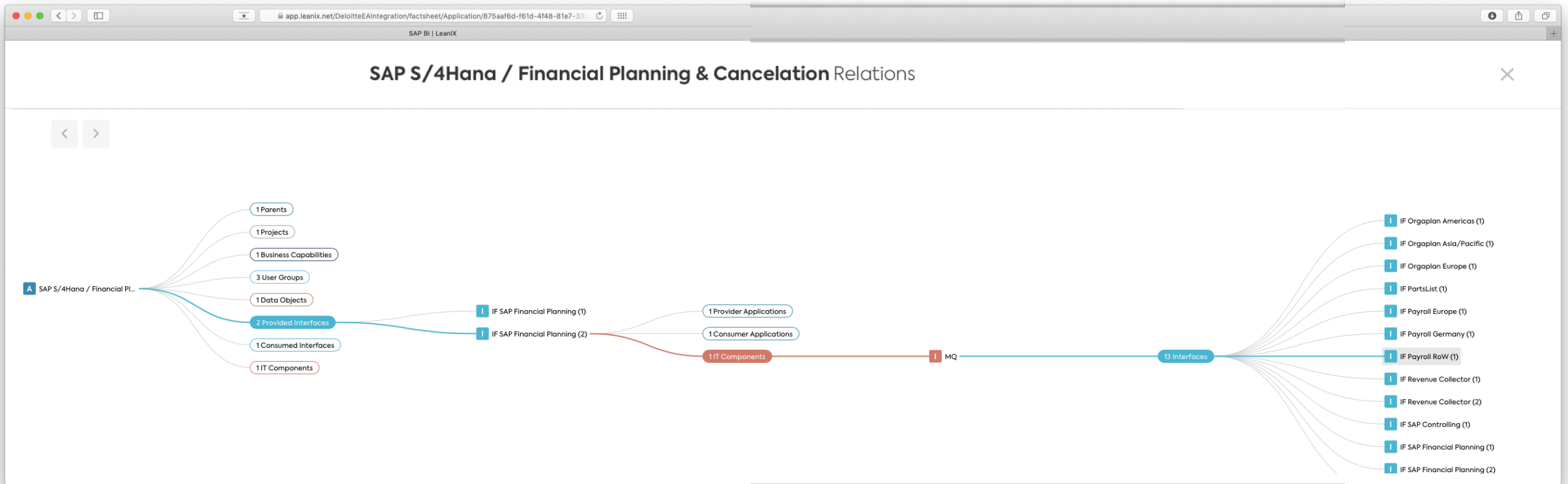
Architecture Target Definition (4/4)

Architecture		Supported in LeanIX
Architecture Target Definition	Prepare the target architecture as the foundation to build the changes in business models and processes.	Option 4: Focus on integration via the analysis of information flows / interfaces and used IT components. Detailed analysis via Free Drawing.
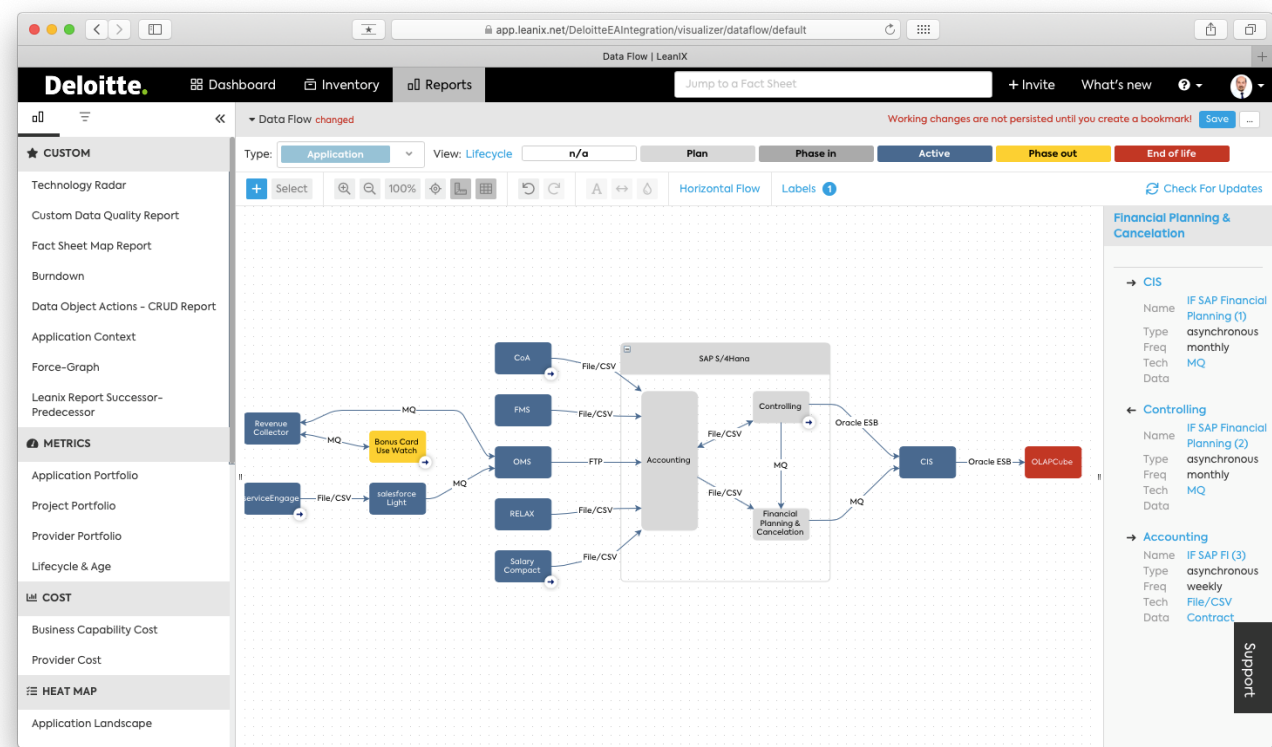
Application Interaction with Data Flow and Interface Technologies

Application Inventory
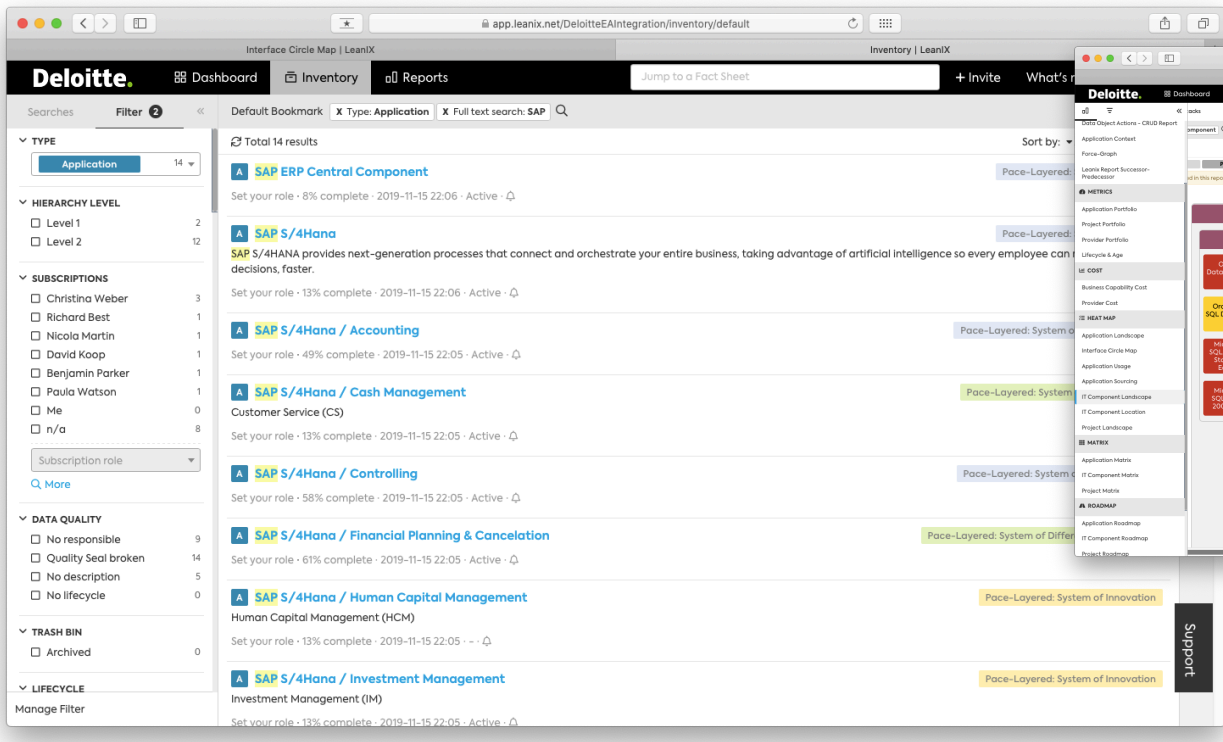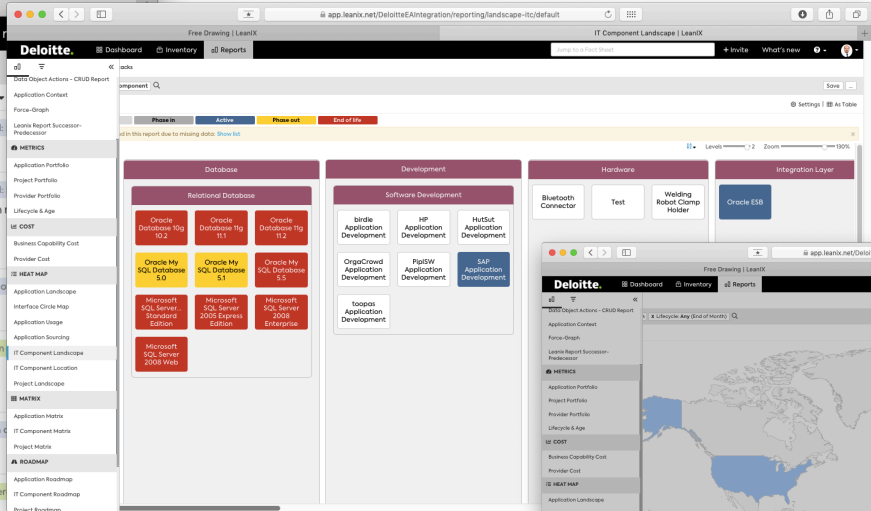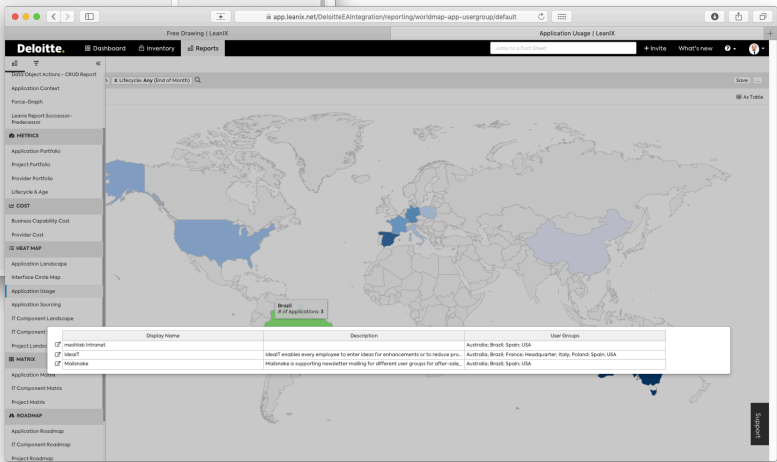
Architecture		Supported in LeanIX
Application Inventory	Identify applications and used technology to enable ERP within the organization.	Collect and document the application portfolio with focus on „ERP".

Application x Technology Matrix

Application x Location Map

Integration Scenario of SAP build in tools with LeanIX

An integration of build-in SAP tools using their managed information on the SAP architecture in LeanIX supports an effective architecture management

Deep Dive

1 | **Integration with Solution Manager 7.2**

SAP 7.2 Solution Manager + LeanIX ➤ SAP S/4 HANA

2 | **Platform Integration with SAP PO/PI/CPI**

SAP PO/PI/CPI + LeanIX ➤ SAP S/4 HANA

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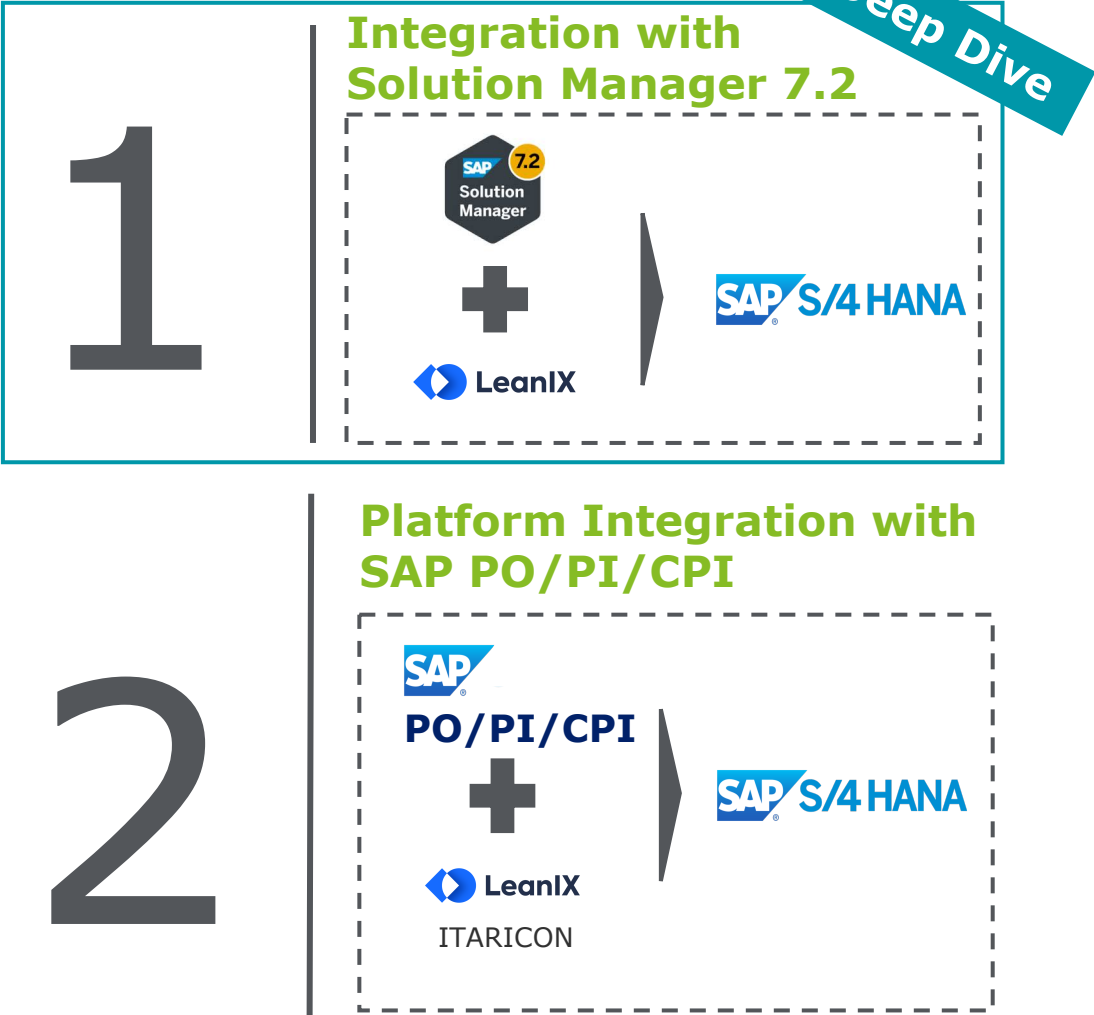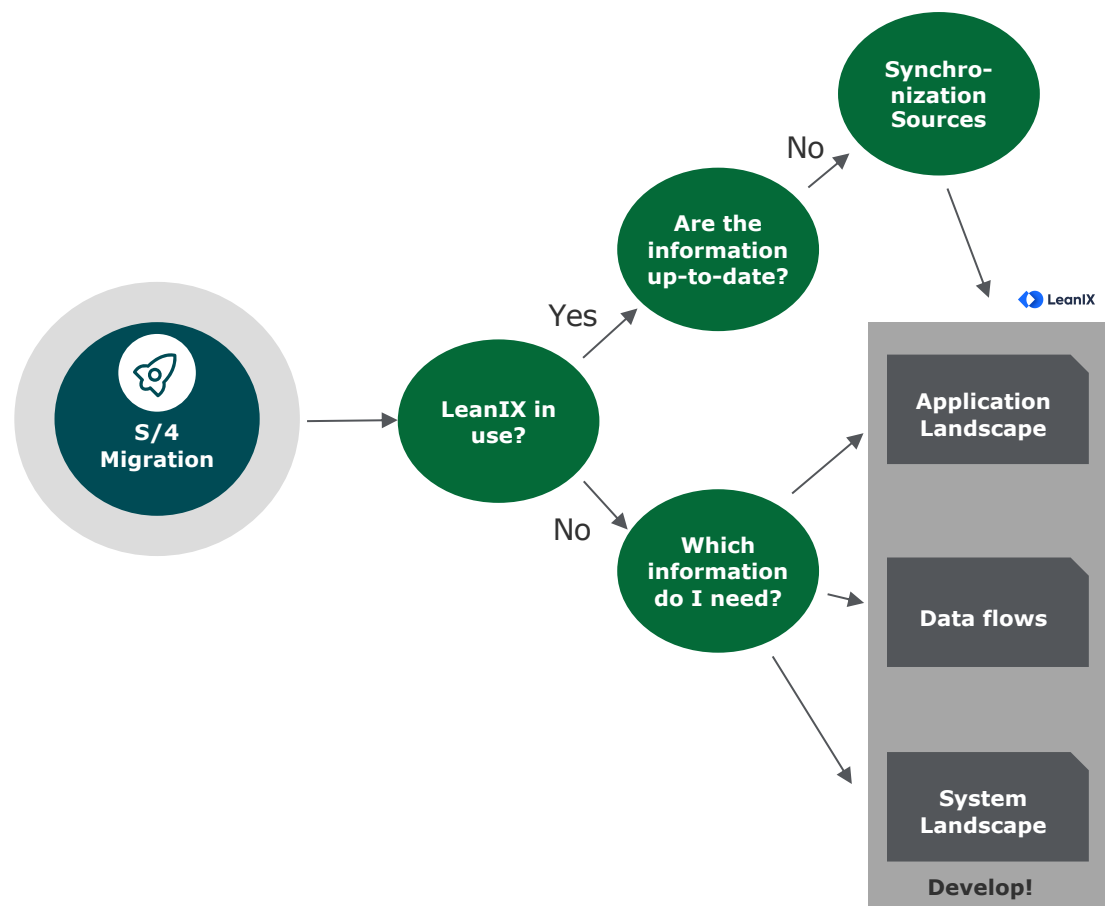
Option 1| LeanIX and Solution Manager 7.2 Integration
Relevant information are spread across different Fiori or WebDynpro applications and can be transferred into LeanIX

Screenshot from SolMan 7.2

Simplified for demonstration

SAP Solution Manager offers Enterprise Architecture relevant tools and insights:

- Business Process Modeling
- Landscape & Lifecycle Management
- Project & Change Management
- Monitoring of Interfaces and Data Flows
- Insights into SAP specific information:
  - Instances & clients
  - Add-ons & Industry Solutions

Synchronization via (semi-) manual transfer:

1. Identify LeanIX Fact Sheets to map SolMan data model
2. Export model data from SolMan as tab delimited file
3. Import in Excel & adaption to Fact Sheet meta model
4. Import of Excel/CSV file in LeanIX

Drawbacks :

- No automatic transfer of updates
- Errors due to inconsistencies
- Time consuming
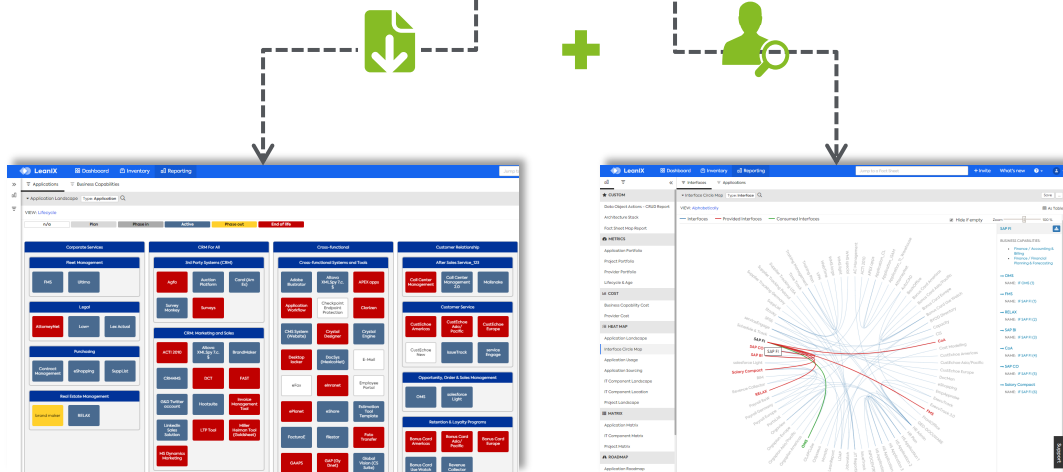
Summary

Every S/4HANA transformation starts with the analysis of the enterprise architecture

In Phase 0, LeanIX fully supports the development of required architecture assets

LeanIX provides a consistent and reliable view on the business & IT architecture

LeanIX offers integration with SAP to foster As-Is architecture assessment

LeanIX acts (!) as an accelerator in a S/4HANA Transformation

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