

# Maximize Return on Data (ROD) – Giving Data a purpose using SAP's Data Value Formula

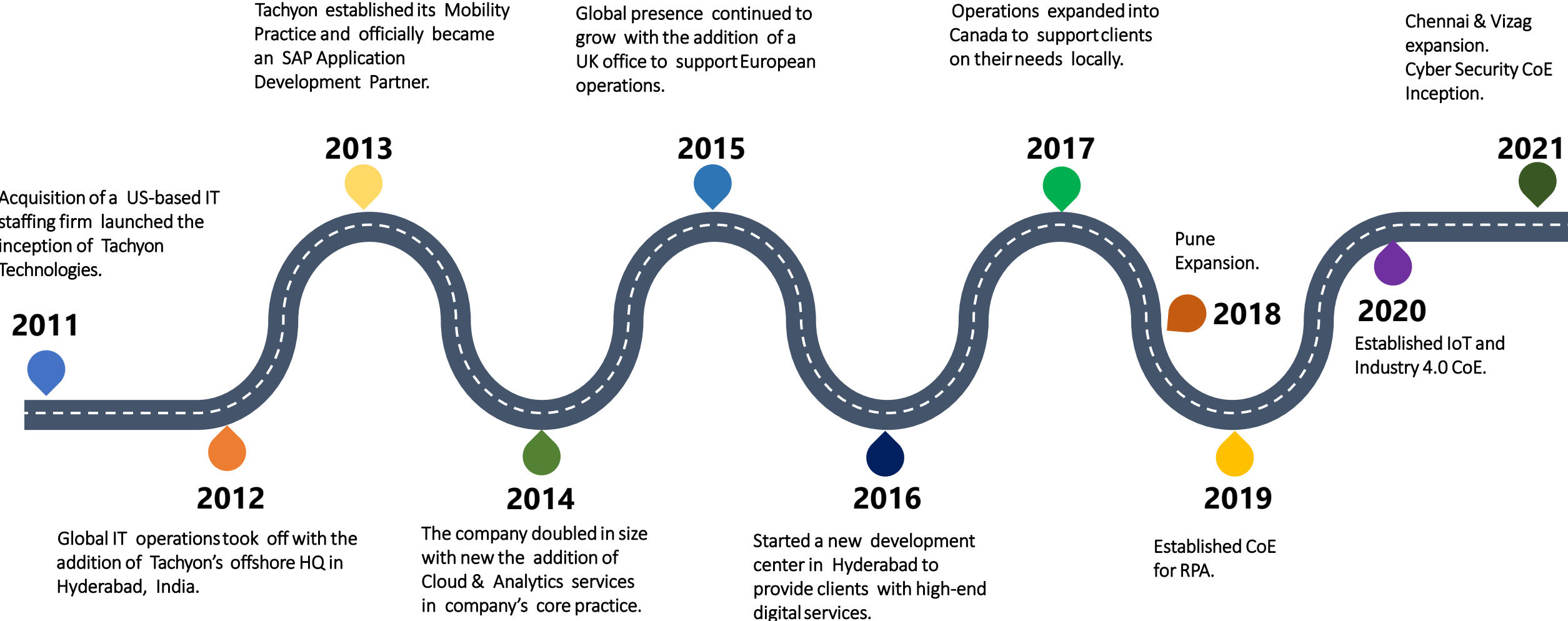
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**Sponsored by:  
Tachyon Technologies**

# Agenda

- Background
- Data Value Accelerators in BTP
- Data & Analytics in SAP ecosystem ( Drowning in Data starving for information )
- AI / ML in SAP ecosystem ( Drowning in Information starving for Knowledge )

Leveraging Digital Technology, focusing on customer engagement, by optimizing current assets and investments to deliver, value-generating, customer-pleasing, game-changing results.



# We're Tachyon; We're Digital Integrators

**11+**

Years of Experience

**750+**

Employees

**150+**

Satisfied Customers Across industries

**7+**

Global Locations

**7+**

Technology and Business Centric COEs



Enabling Digital Transformation



Global Headquarters



Proven Expertise



Partner of Choice

For SMBs and Large enterprises

In SouthLake, Texas, US

In leading technologies and solution providers

For over 75+ enterprises and SMBs

Industries we Serve



Manufacturing



Healthcare



Utilities



Government



Oil and Gas



Finance



Life Sciences

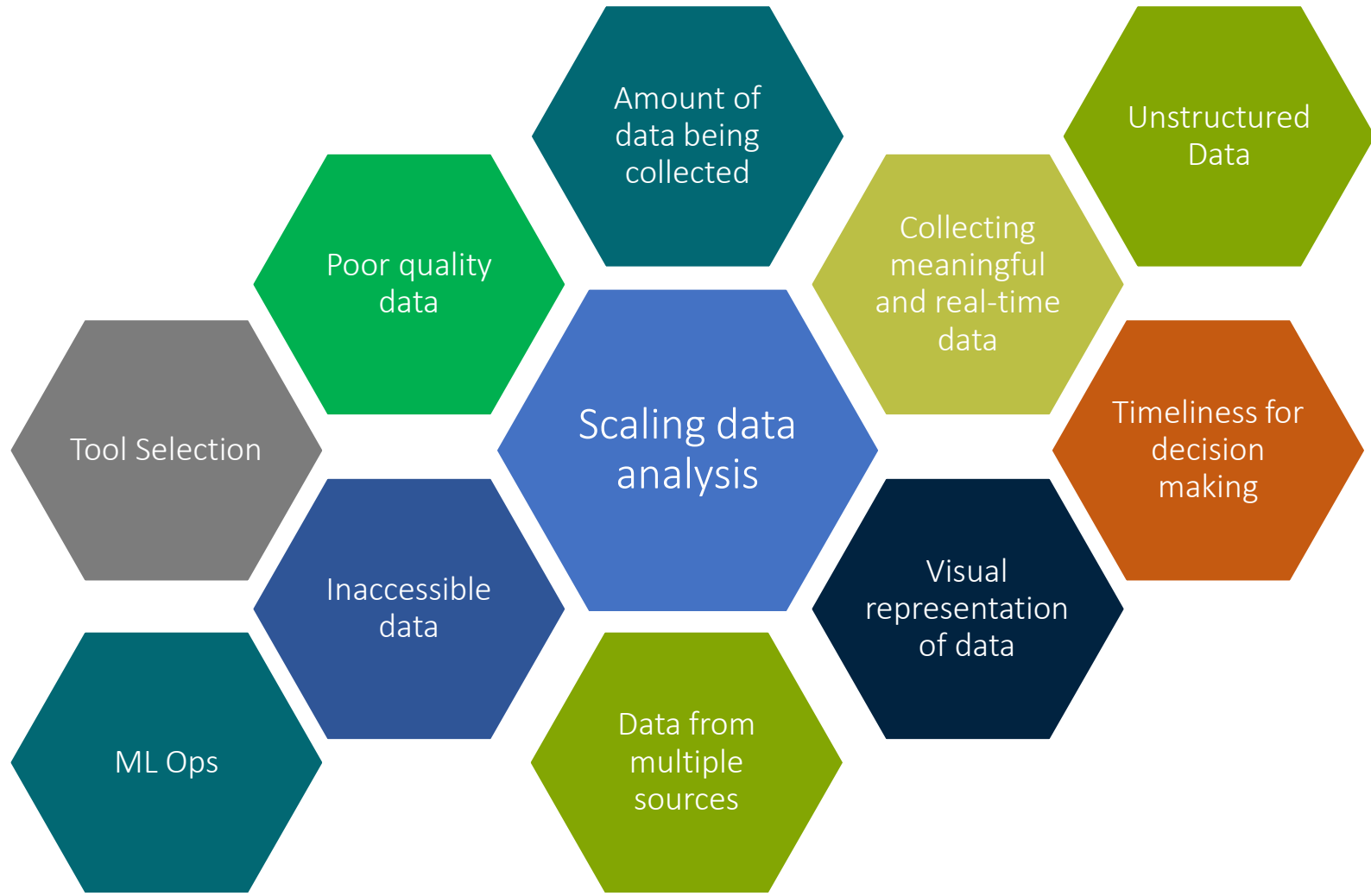


High Tech

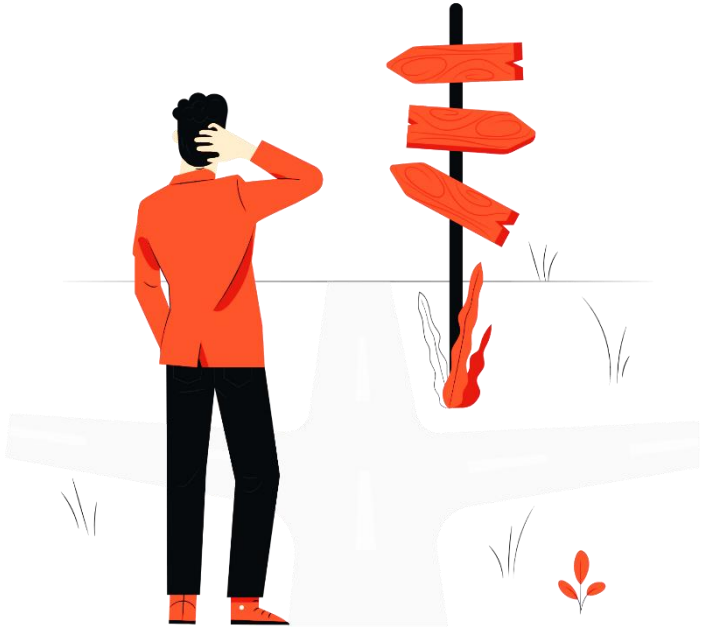
And More...



# Background & Challenges

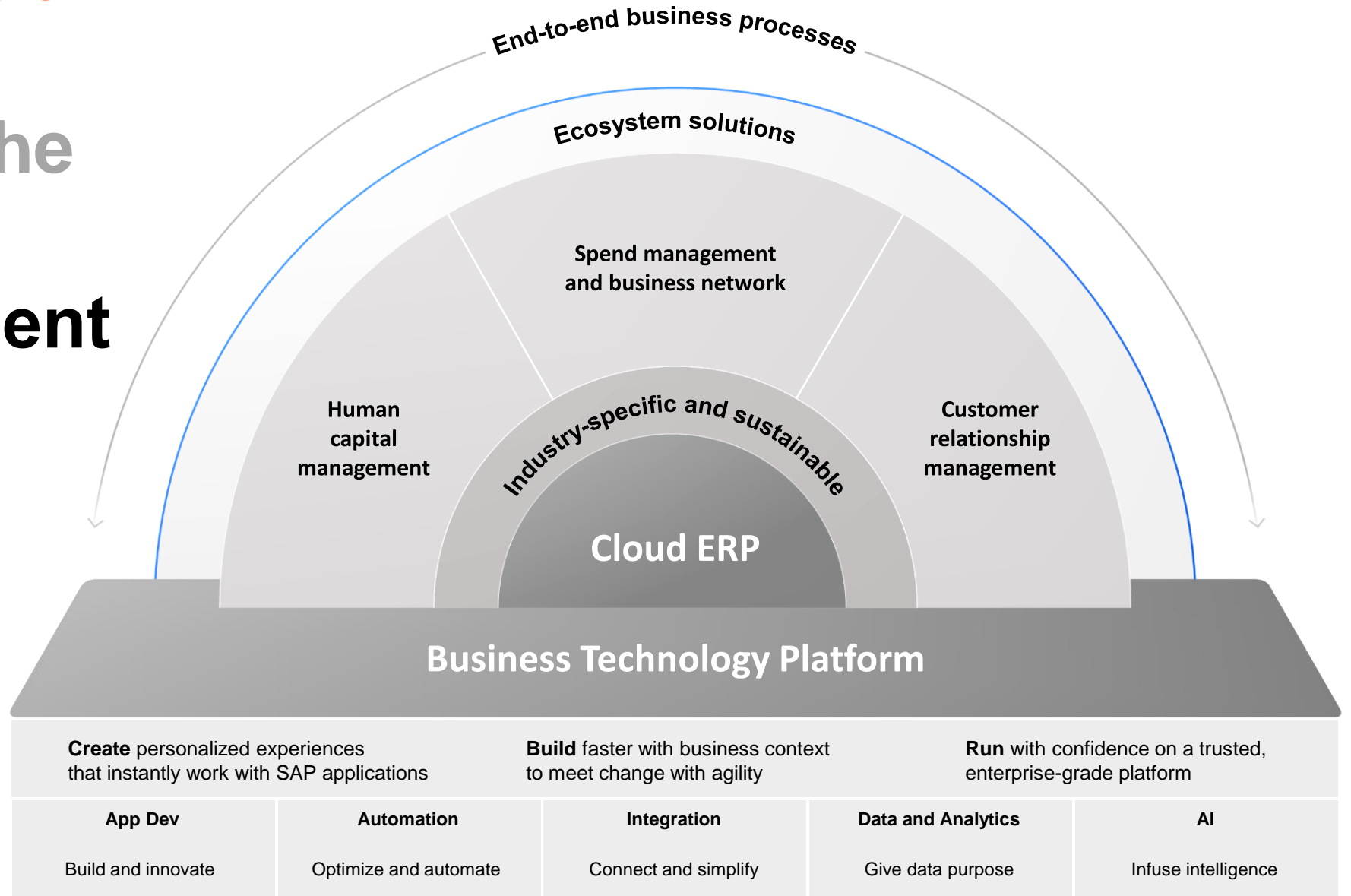


1. Drowning in Data
2. Drowning in Information

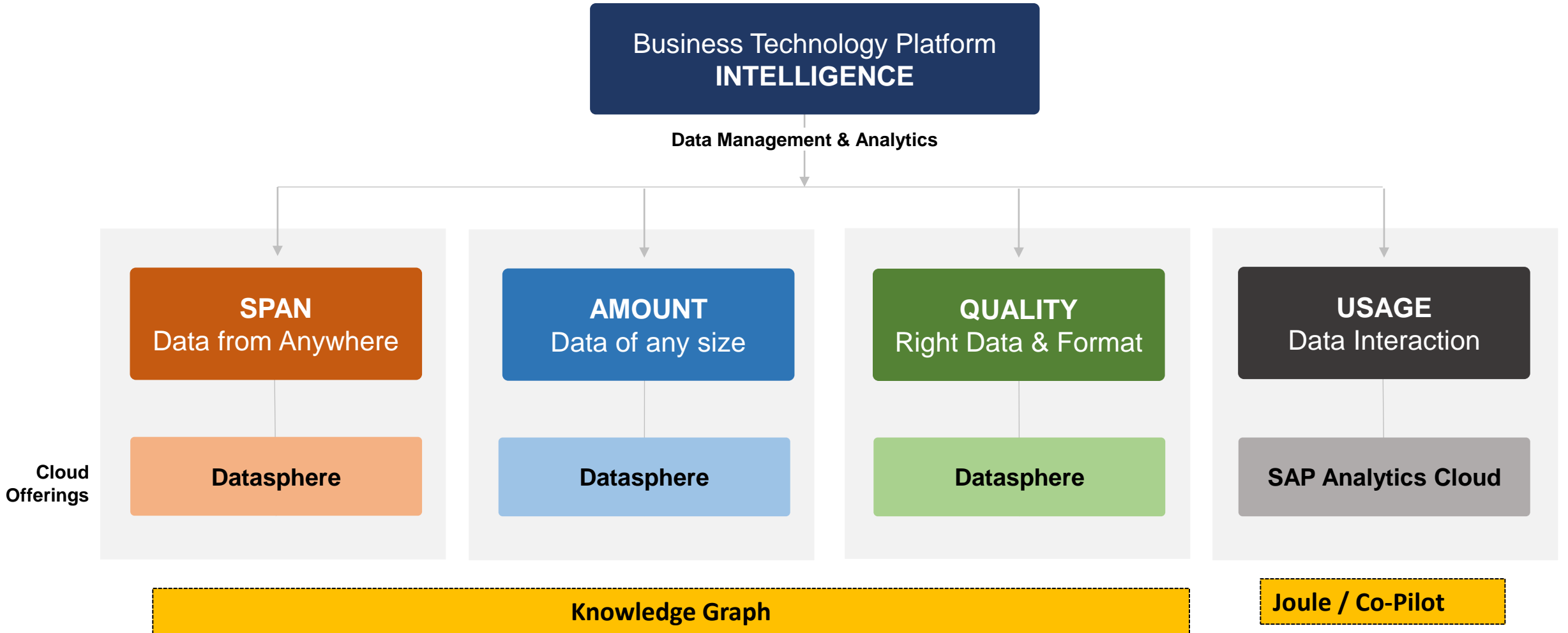


# Data Value Accelerators in BTP

SAP BTP is the foundation of the Intelligent Sustainable Enterprise



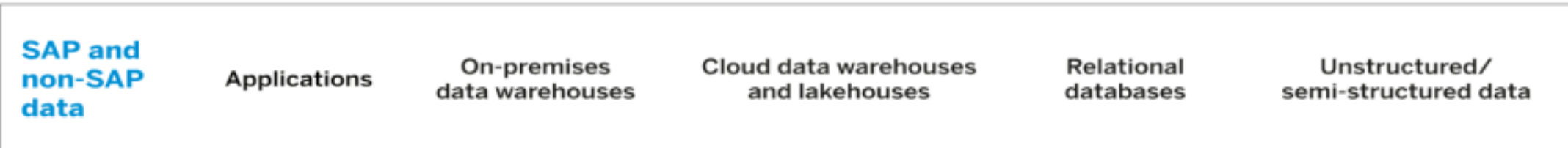
# Analytics- Data Value Formula





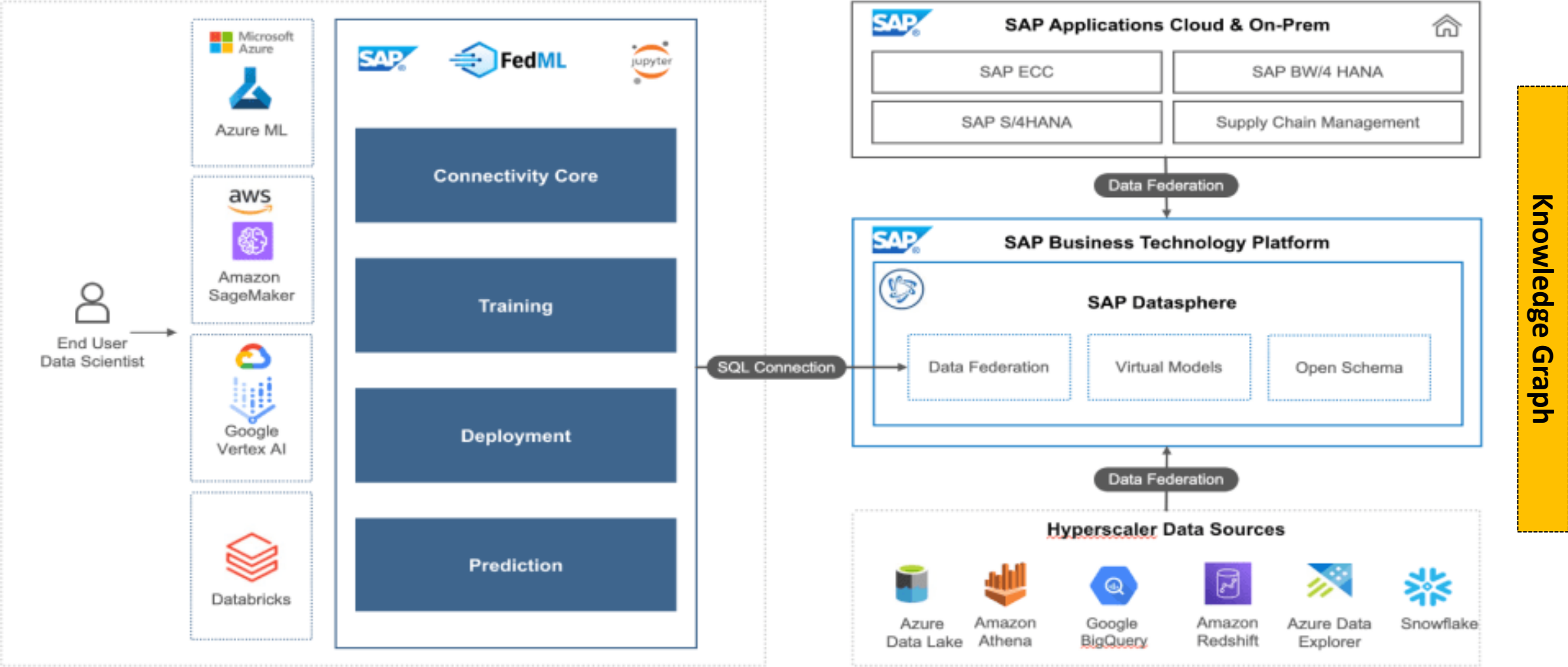
# SAP Datasphere as Datawarehouse

Datasphere serves the purpose of both Datawarehouse ( Analytic Needs ) and Data Fabric ( Future AI / ML Needs ).  
Datasphere retains the business context from source systems - Using Data Federation & Knowledge Graph

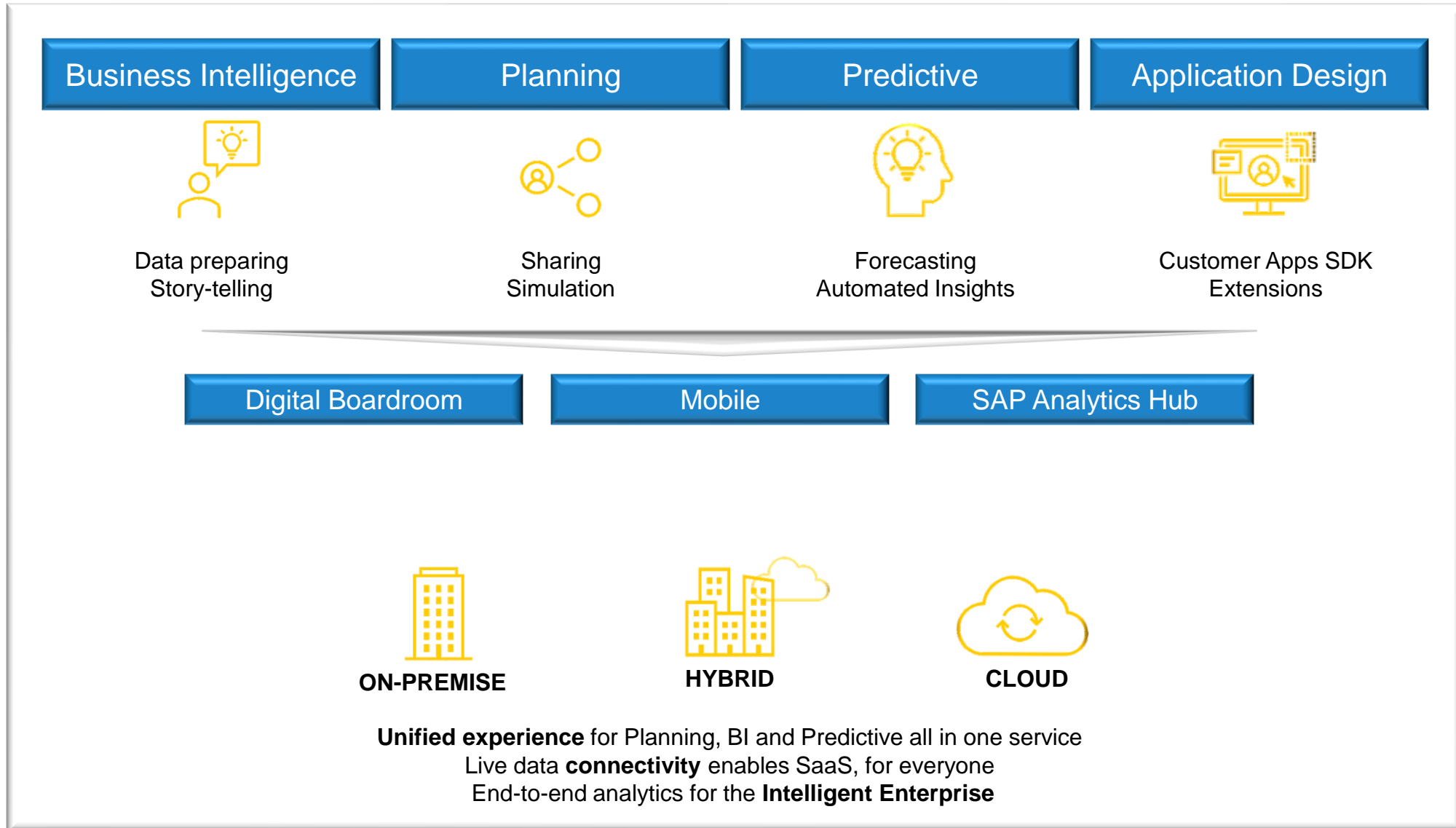


# SAP Datasphere as Data Fabric

Datasphere helps to federate the training data via SAP Datasphere without the need for replicating or moving the data from the original SAP or Non-SAP sources



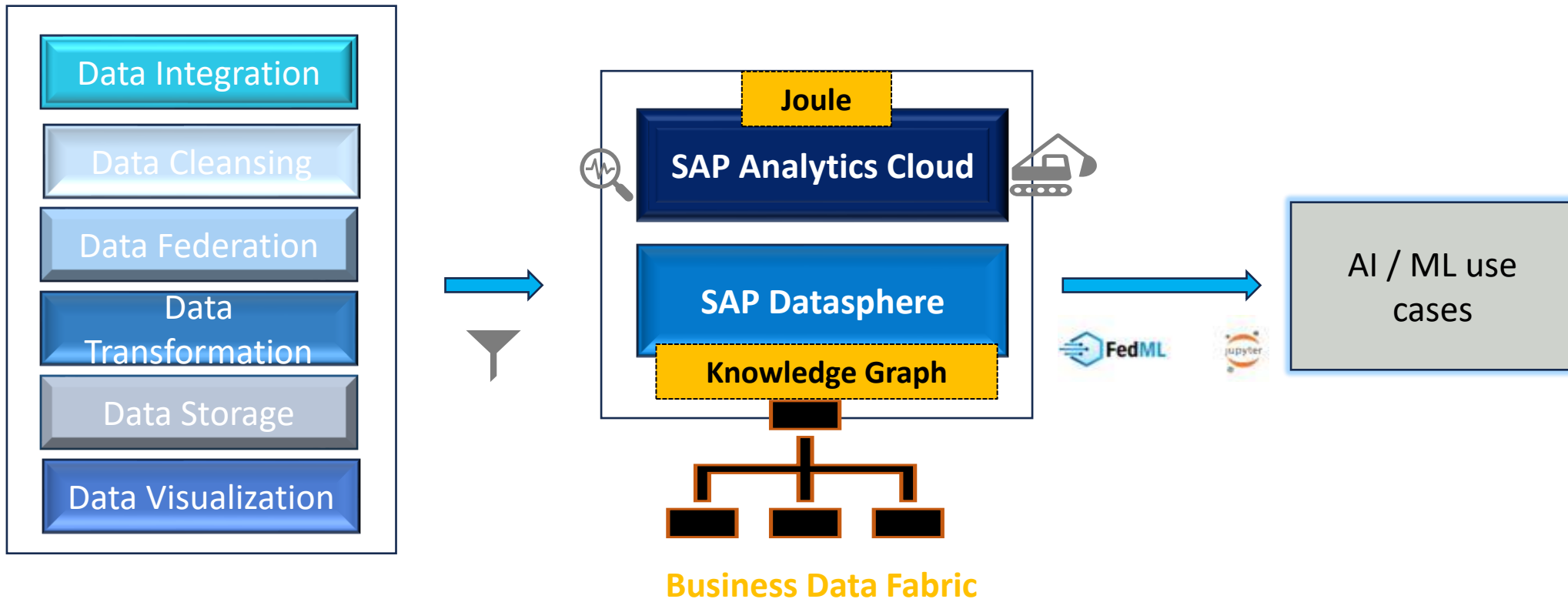
# SAP Analytics Cloud as visualization layer



# Benefits of SAP Solution

Maximize Return on Data ( ROD ) by Giving purpose to your data using SAP's Data Value formula

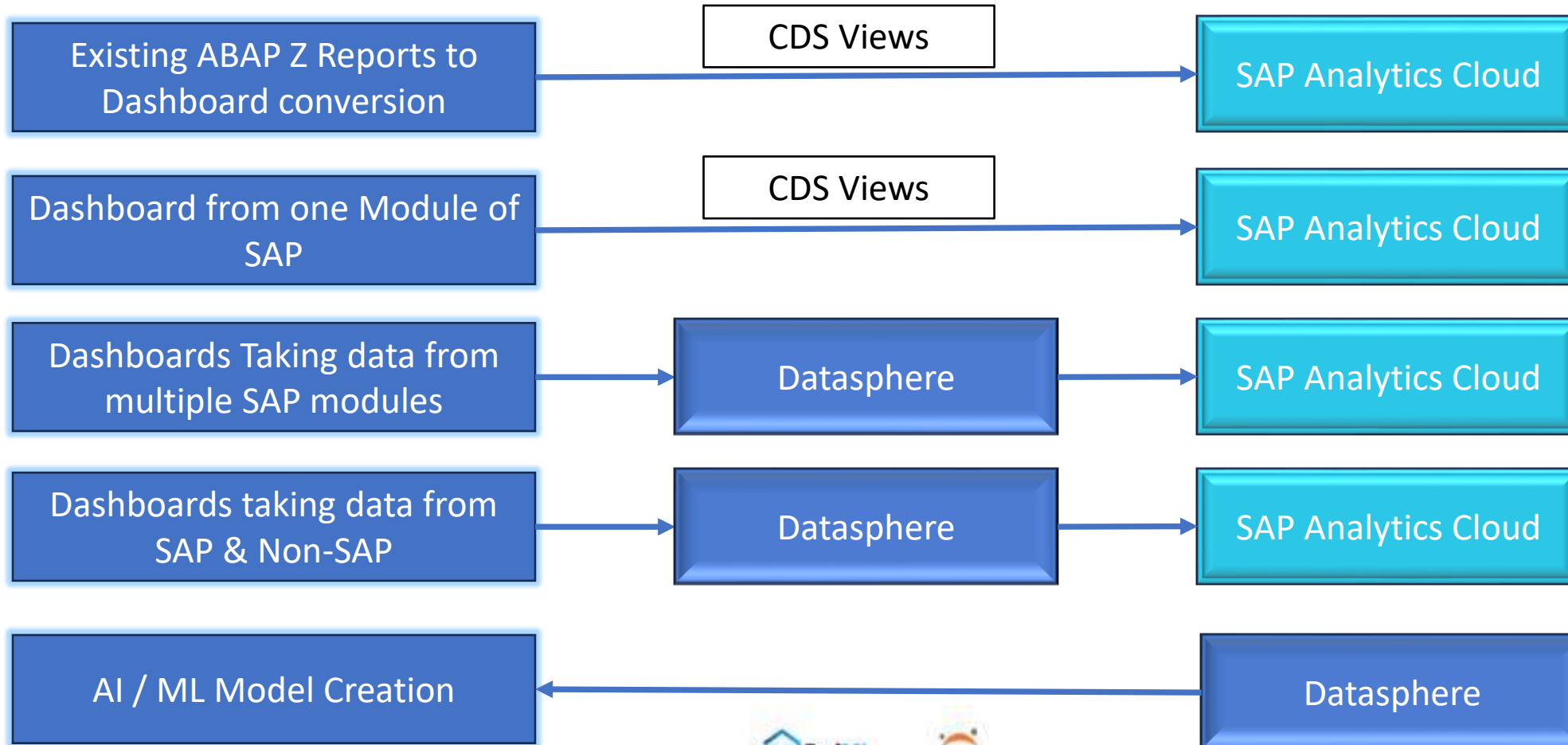
Datasphere & SAP Analytics Cloud are the only analytics strategic solutions from SAP – Makes Organizations Future Proof



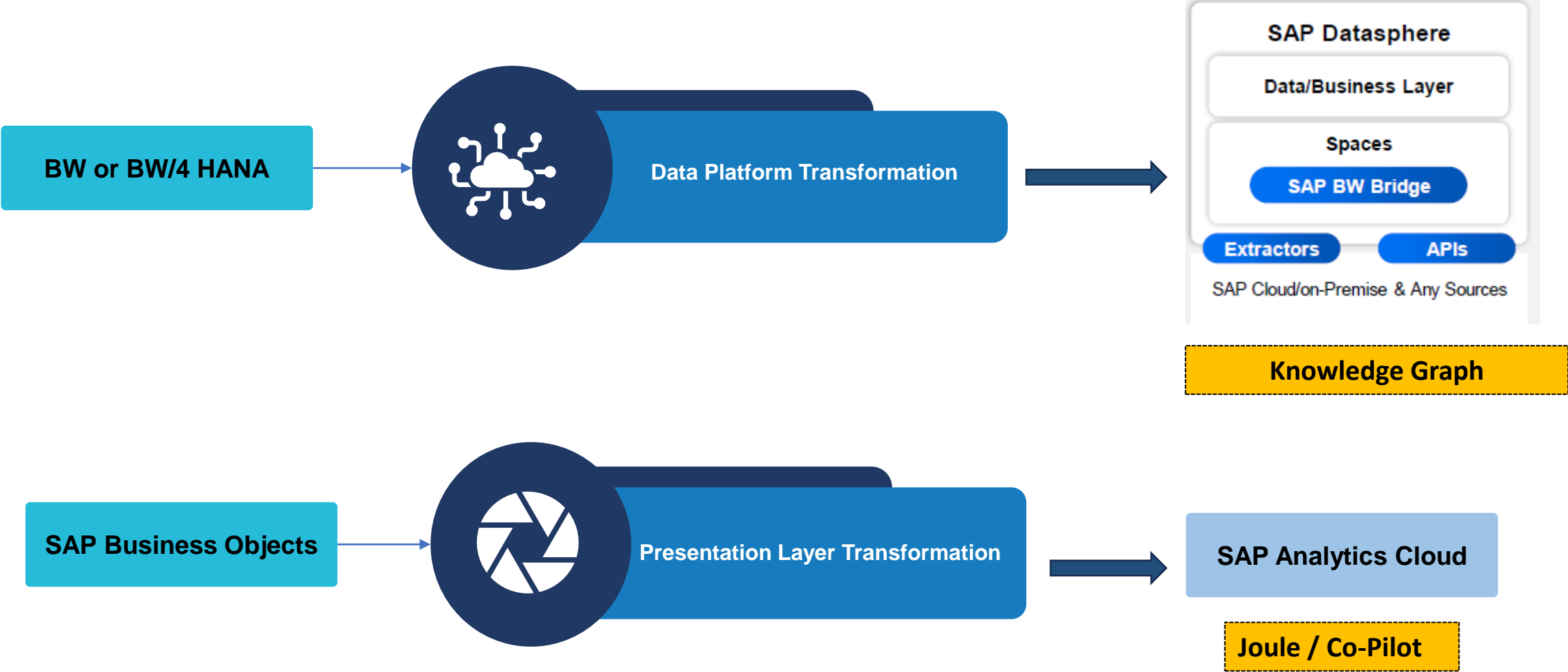
# SAP Recommended Approach

Maximize Return on Data ( ROD ) by Giving purpose to your data using SAP's Data Value formula

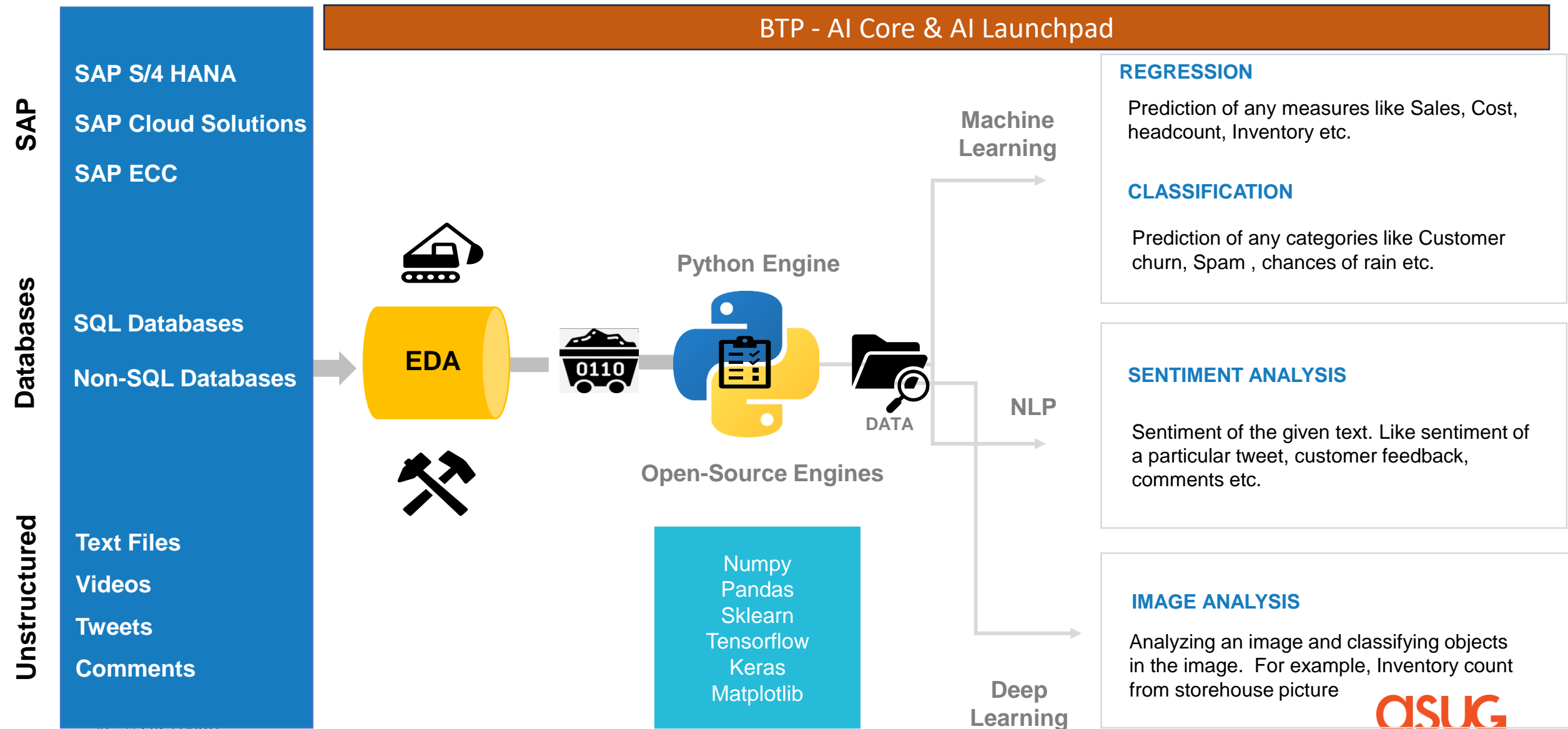
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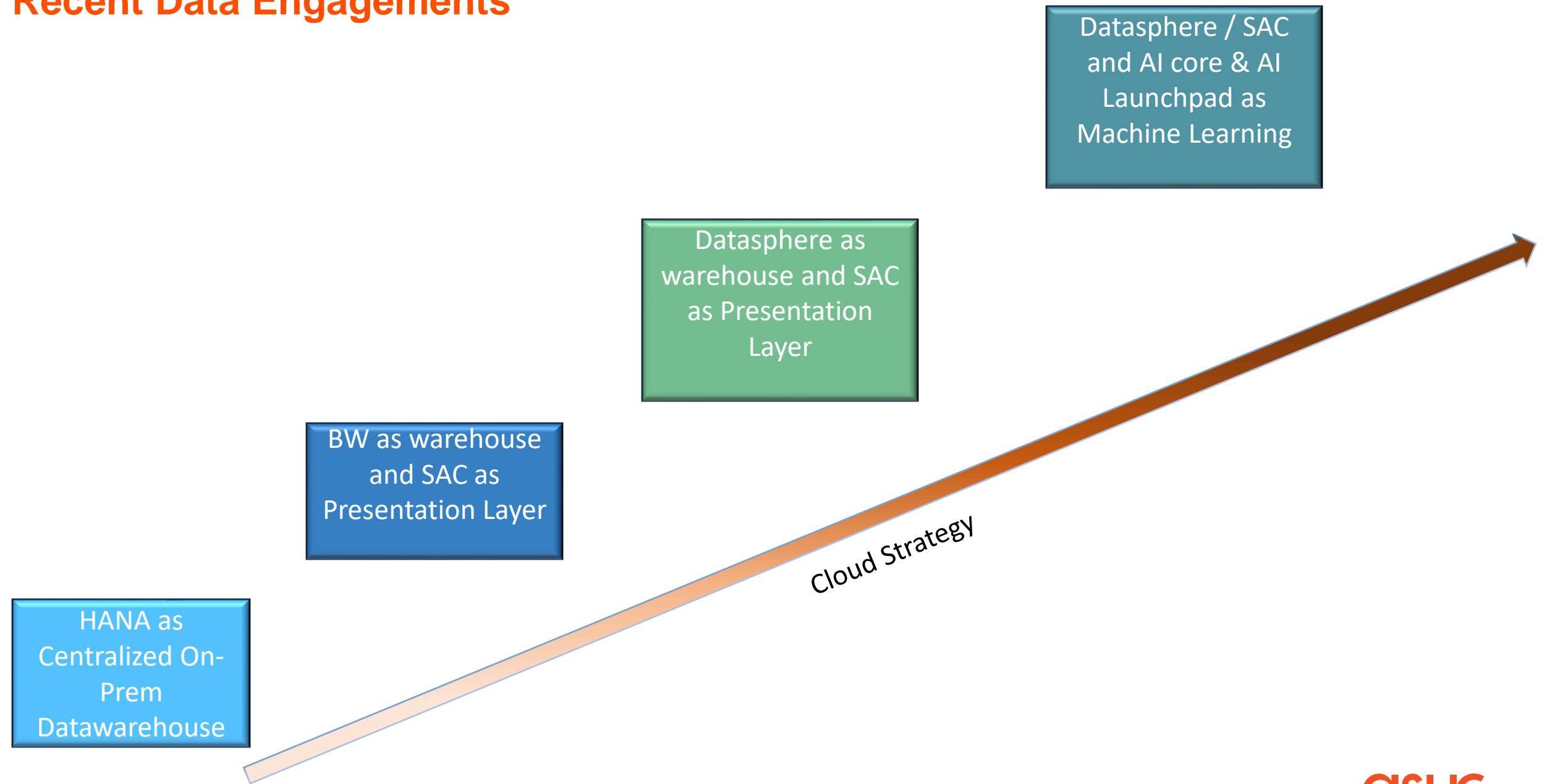
# Analytics Move Program



# AI / ML in SAP ecosystem (Drowning in Information, but starving for knowledge)



# Recent Data Engagements







# SAP® Analytics Cloud

## Success Story

### Becoming an Intelligent Enterprise with an Advanced Platform for Corporate Analytics

**Overview:** Customer is a leading oil and gas petrochemical company based out of Middle-East

**QUICK FACTS**

**Industry**  
Oil & Energy

**Location**  
Jubail, KSA

**Employees**  
4830

**Modules**  
SAC

**Project duration**  
6 months

### CHALLENGES

1. Each department had developed its own homegrown reporting system, so data preparation for executives often involved manual consolidation of dozens of spreadsheets.
2. After a few high-level strategic meetings went under supported, customer resolved to overhaul BI across the organization by empowering staff at all levels and in all functions to make informed decisions.
3. Hence, the challenge was to deliver the right information at the right time to the right people in all strategic encounters.

### SOLUTION

1. The existing SAP Business Warehouse (SAP BW), edition for SAP HANA served as a central data consolidation layer for an array of IT and operational technology (OT) systems.
2. A license upgrade was used to deploy the SAP Analytics Cloud solution to support a modern analytics platform with a rich user experience and intelligent functions for self-service reporting.
3. The project was implemented remotely due to the pandemic; even under that constraint, the system went live within the very ambitious timeline of six months

### BUSINESS OUTCOME

1. Using SAP BW and SAP Analytics Cloud helped customer create a cost-effective, clutter-free analytics platform with solutions returned to standard.
2. It also let the company execute its cloud-first strategy by making the transition from a complex web of traditional reporting tools to one highly agile and powerful cloud reporting environment with 250 updated KPIs and 50 new dashboards.
3. Integrating ERP data with operational data from the shop floor empowers customer to accurately track and monitor refinery operation KPIs.

# 50%

Reduction in data-preparation time for board meetings in just first year

# 40%

Reduction in effort for corporate reporting; expected to improve in following years

# 100%

Return of investment realized, expected to double by end of 2023



## Case Study

### INDUSTRY

Public Sector  
Utilities

### CORE BUSINESS

Natural Gas &  
Water Services

### PRESENCE

NE, USA

### PROJECT

SAP BW/4 HANA  
Conversion

## About The Client

The fifth largest public natural gas utility in the U.S.

### What did we do?

- Converted existing BW on HANA system to state of the art BW/4 HANA 2.0
- Leveraged all BW/4 HANA 2.0 features to optimize data loading and reporting performance.
- Implemented SAP Analytics Cloud
- Prepared the landscape to consume BW/4 HANA 2.0 data automatically in SAC there by enabled the end users for Self Service BI.

### Business Outcome

Project Go-Live in 6 months  
Converted around 500 BW objects

5X Faster business and revenue reporting  
processes with SAP BW/4HANA

6X Faster batch processing with SAP IS-U  
(Industry-Specific solution for Utilities)

### Highlights

- Seamless integration enabled better processes and greater reactivity
- Time needed for batch processing reduced significantly — from 12 hours to two hours
- Work order capability dramatically increased — from 10-15 per day to ~50 per day
- Business reporting reduced from a 15-20-minute process to less than three minutes each time

## Success Story

# Journey to real-time data warehouse leveraging **BW/4HANA**

**Overview:** A global leader in open telecom solutions, enables communications service providers to drive disruption with new open architecture business models

### CHALLENGES

- Client was looking for a very efficient data warehousing rather consolidation system to harness data from multiple data sources or disparate data siloes.
- We proposed SAP's state of the art DW solution BW/4 HANA after evaluating and assessing complete requirements from client.
- We implemented BW/4 HANA as consolidation layer for all reporting needs and make sure top-notch performance for all reports and dashboards

### SOLUTION

- Successful implementation of SAP BW/4 HANA
- Leveraged data orchestration capabilities of BW/4 HANA
- Drastic performance improvement in reporting
- BW/4 HANA and power BI integration

### BUSINESS OUTCOME

- Entire BW system is replaced by the latest and most powerful BW/4 HANA
- Bex Analyzer reporting tool is replaced by Microsoft Power BI which offers all latest and greatest features of Dashboarding
- Real Time features of BW/4 HANA has been used to leverage source system capabilities rather than loading unnecessary data into BW
- Performance of Reports and Dashboards drastically improved due to High performance HANA engine.

## QUICK FACTS

### Industry

Technology  
Company

### Location

USA

### Employees

1000+

### Modules

BW/4HANA  
SAP HANA Imp

### Project duration

On-time delivery

**60%**

Improvement in  
overall reporting  
performance

**100%**

Automation executed



## Success Story

## QUICK FACTS

**Industry**

Investments

**Location**

Riyadh, KSA

**Employees**

15,000 +

**Modules**

SAC

**Project duration**

6 months

**Centralized platform for Planning and Analytics**

**Overview:** Customer is a multinational enterprise established in 1947, with an actively managed portfolio of global investments

**CHALLENGES**

1. Multiple Functions are using different methods to create manual reports
2. High level management has to wait for reports to be prepared from different functions.
3. Non-SAP Analytics tools are not having direct integration with some of SAP cloud solutions and hence manual preparation of report was the only option.
4. Excel based Manpower planning tends to take huge duration, lot of manual activities and lack of data change log.

**SOLUTION**

1. SAP Analytics Cloud is having both Business Intelligence and Planning capabilities.
2. Manpower planning template has been implemented by consuming data from Successfactors and S/4 HANA automatically.
3. Manpower planning workflow has been unified using SAC calendar tasks.
4. SAC reports consolidates data from S/4 HANA, BPC, SQL Database and Successfactors.

**BUSINESS OUTCOME**

1. Considerable reduction in yearly planning duration.
2. Manpower budget approval process has been set using SAP Analytics Cloud workflows.
3. Management is having clear visibility on the actual data & plan Data at any time and both have been coupled with simulation capabilities.

# Thank you.

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# Questions?

For questions after this session, contact us at [githen.r@tachyontech.com](mailto:githen.r@tachyontech.com)  
and [krish.Mujje@tachyontech.com](mailto:krish.Mujje@tachyontech.com)