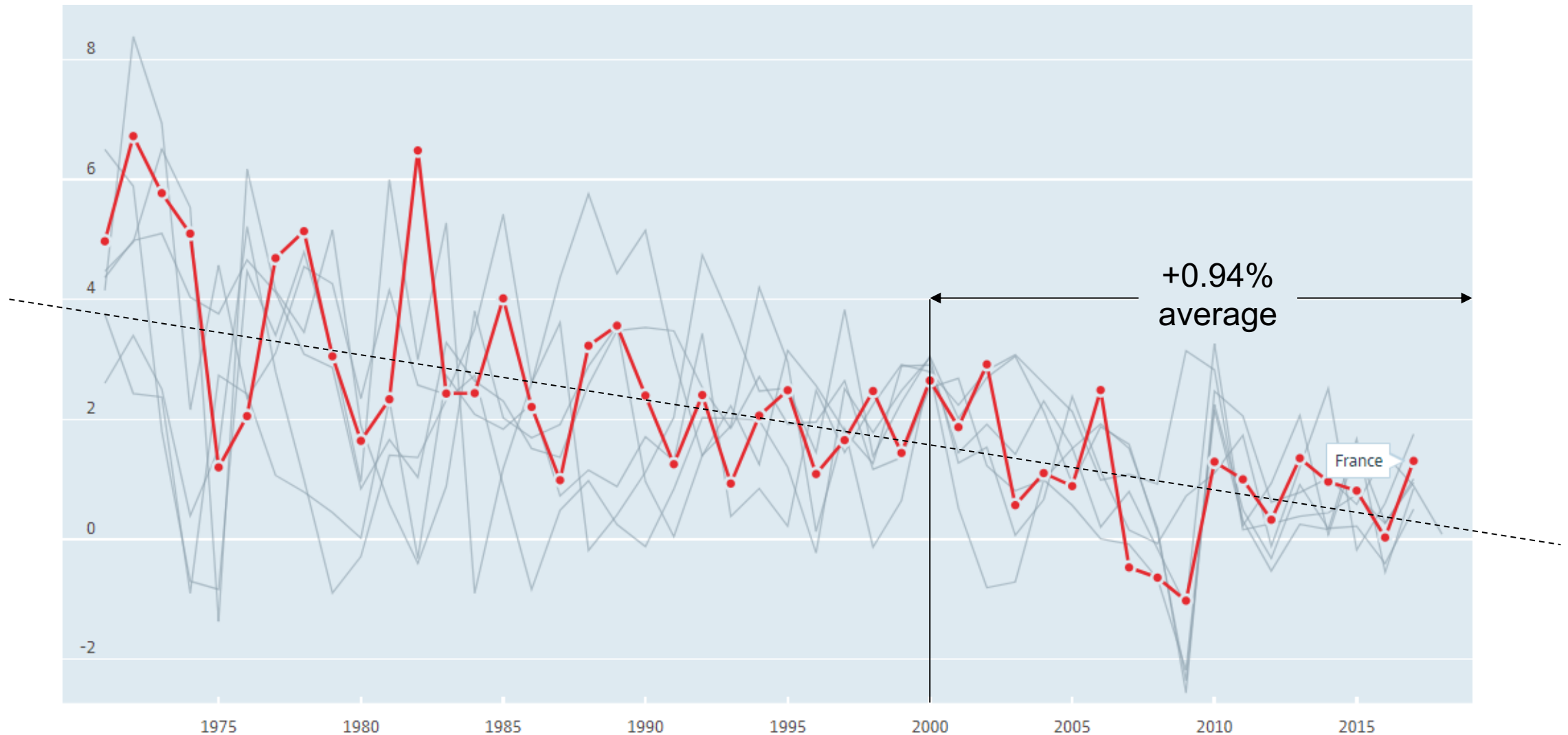


# Data Management for Intelligent Enterprise Overview

Erik Marcadé,  
MD SAP Labs Paris, VP Advanced Analytics,  
Technology & Innovations, SAP  
June, 2019

# Productivity Growth Decline



# AI Boosting the global GDP

**+1.2%**

GDP increase per year  
by 2030

**\$13 trillion**

in economic value  
by 2030

**\$150 billion**

will be invested by  
Chinese Gvt  
by 2030

**\$3.5 trillion**

annual value created in  
the enterprise

**\$1000 billion**

IoT Market Size  
by 2025

**175 ZB**

data worldwide  
by 2025

Sources: United Nations University – Center for Policy Research: <https://cpr.unu.edu/ai-global-governance-artificial-intelligence-for-all-a-call-for-equity-in-the-4th-industrial-revolution.html>,  
zdNet: <https://www.zdnet.com/article/china-identifies-17-key-areas-to-make-ai-breakthroughs/>

# **Intelligent Enterprise Strategy**



# The Intelligent Enterprise

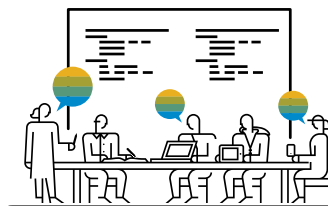
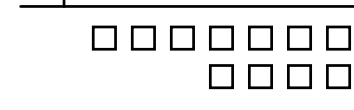
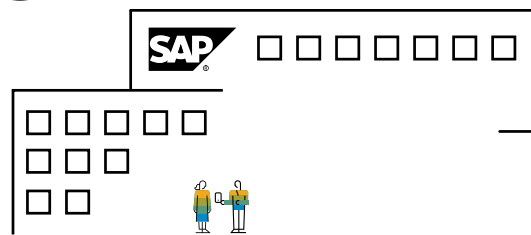
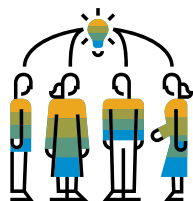
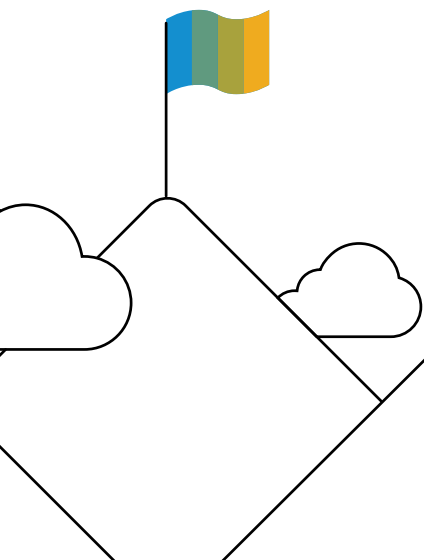
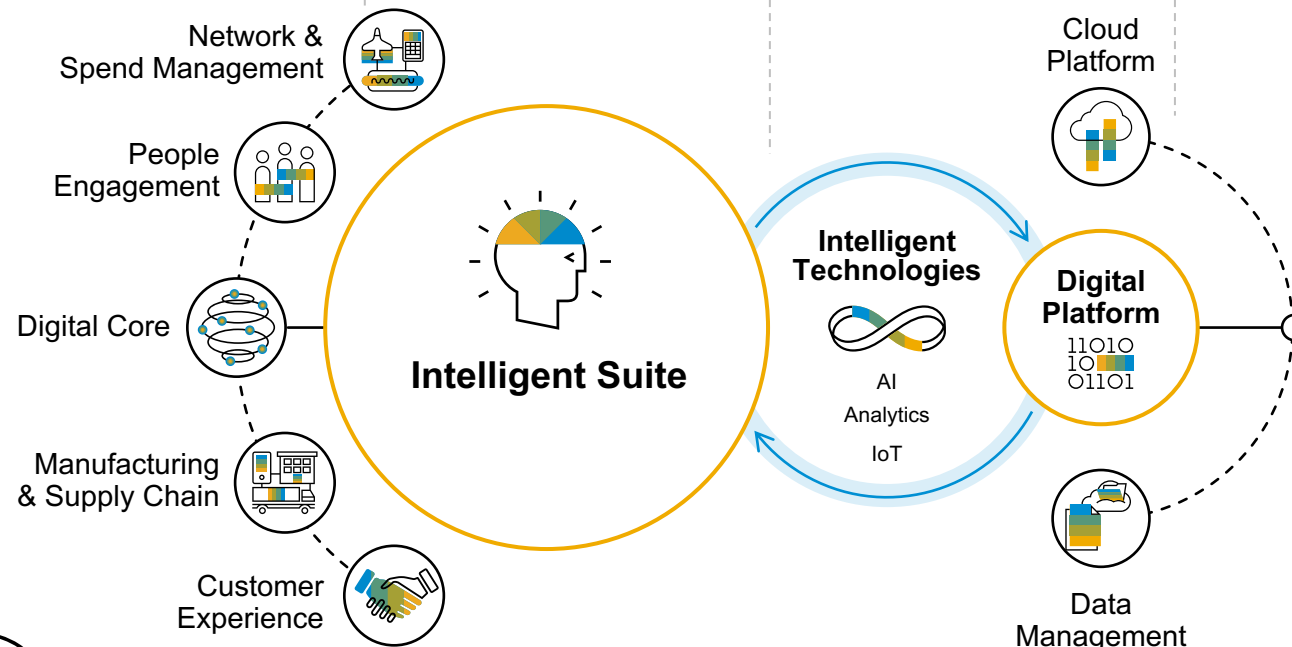
The Challenge      Our Vision

The Intelligent Suite

Intelligent Technologies

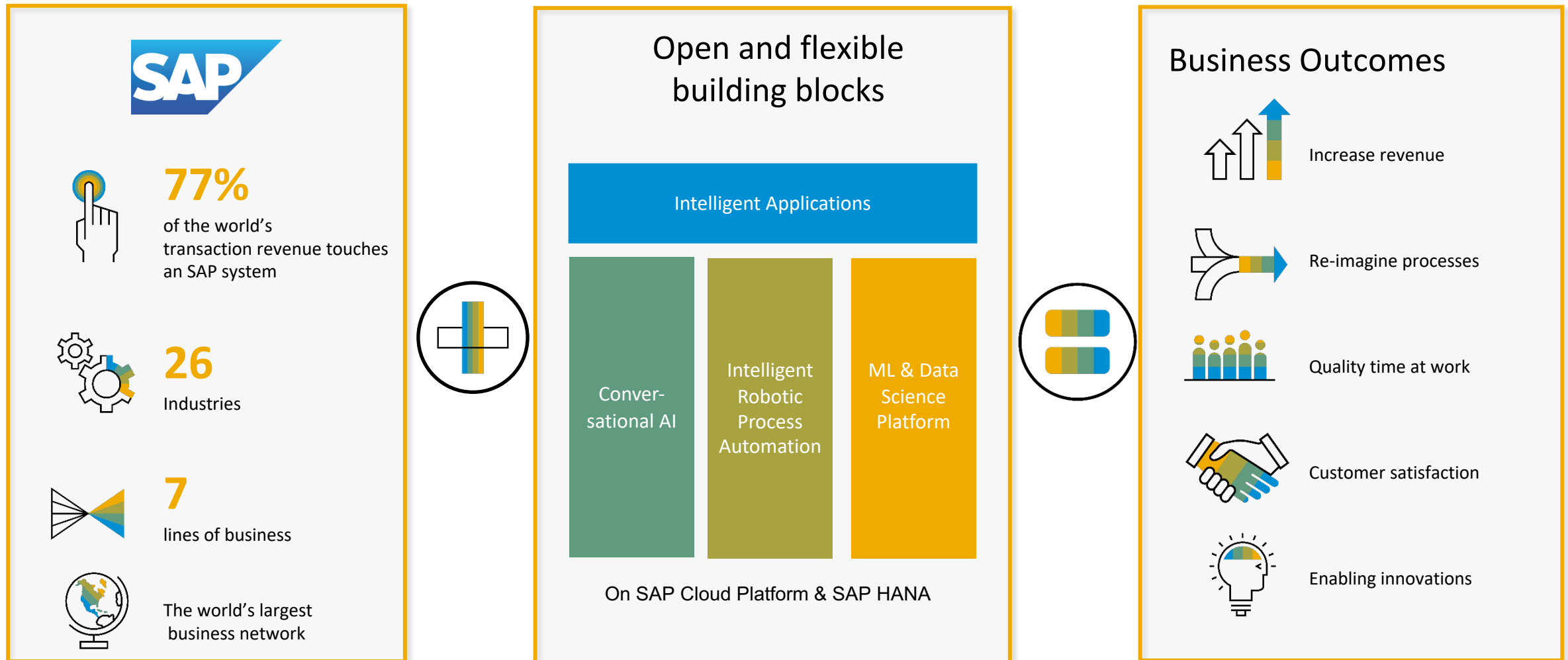
The Digital Platform

Moving Forward

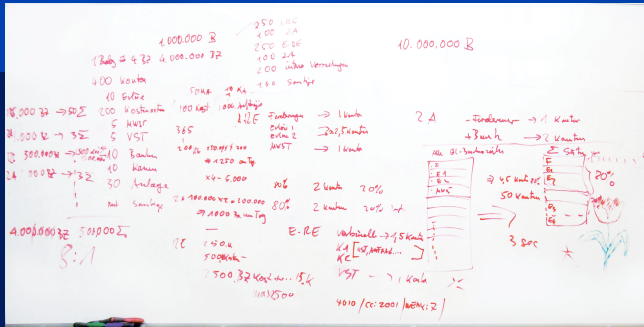


CUSTOMER

# AI, ML, Automation to deliver the Intelligent Enterprise



# SAP HANA – The In-Memory Revolution



Hasso Plattner Institute, 2006  
University of Potsdam

## SAP HANA

**50,000+**

SAP HANA customer licenses

**200+**

Peer-reviewed academic publications by SAP and HPI  
on in-memory databases for OLTP and OLAP

**72 terabytes**

Largest customer on scale-out

**48 terabytes**

Largest customer on single node

**100+ million**

Transactions processed daily for a single customer

**7 petabytes**

of SAP HANA licensed productively

The Foundation of  
the Intelligent Enterprise



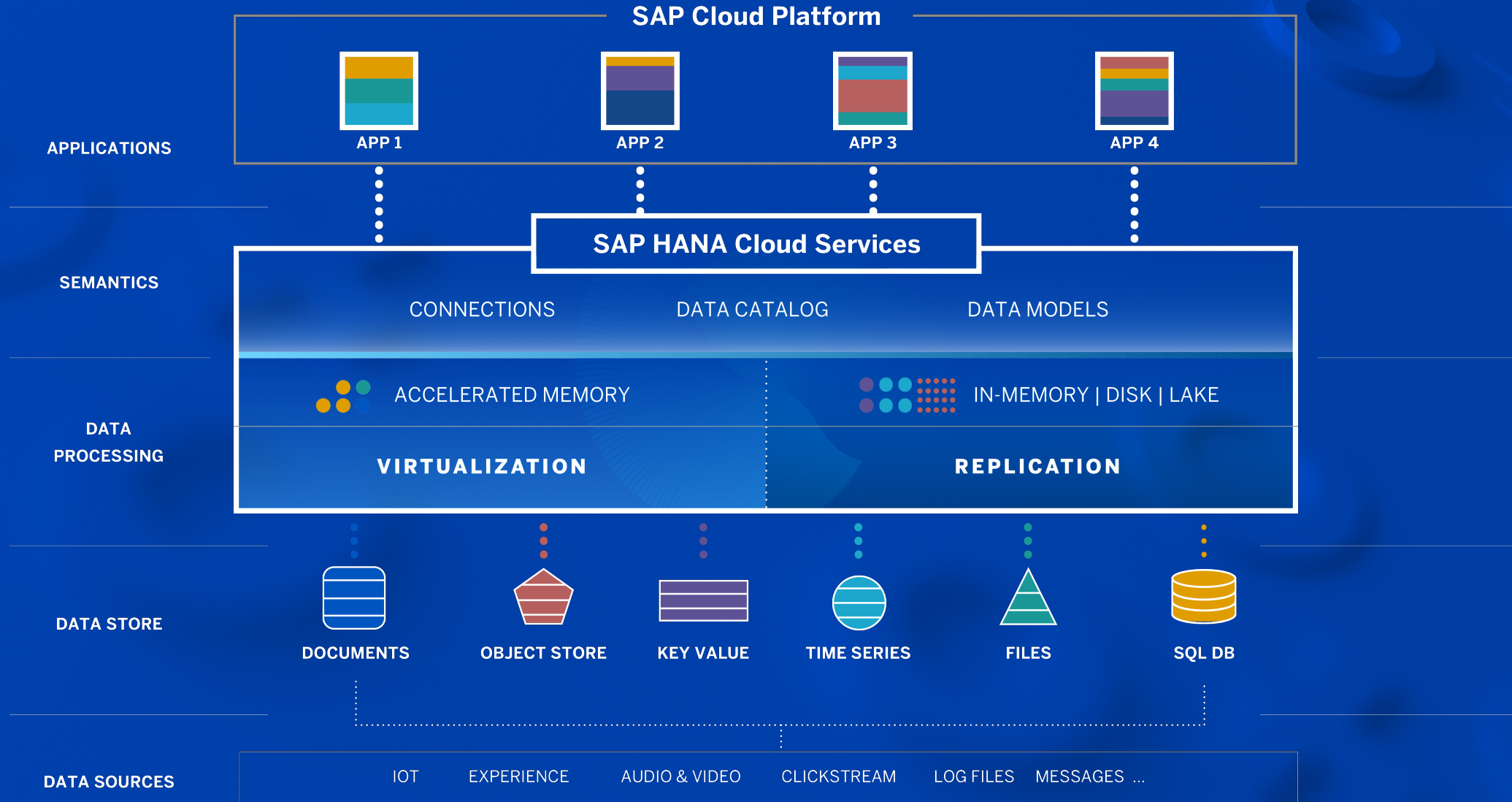
# The Global Data Sphere





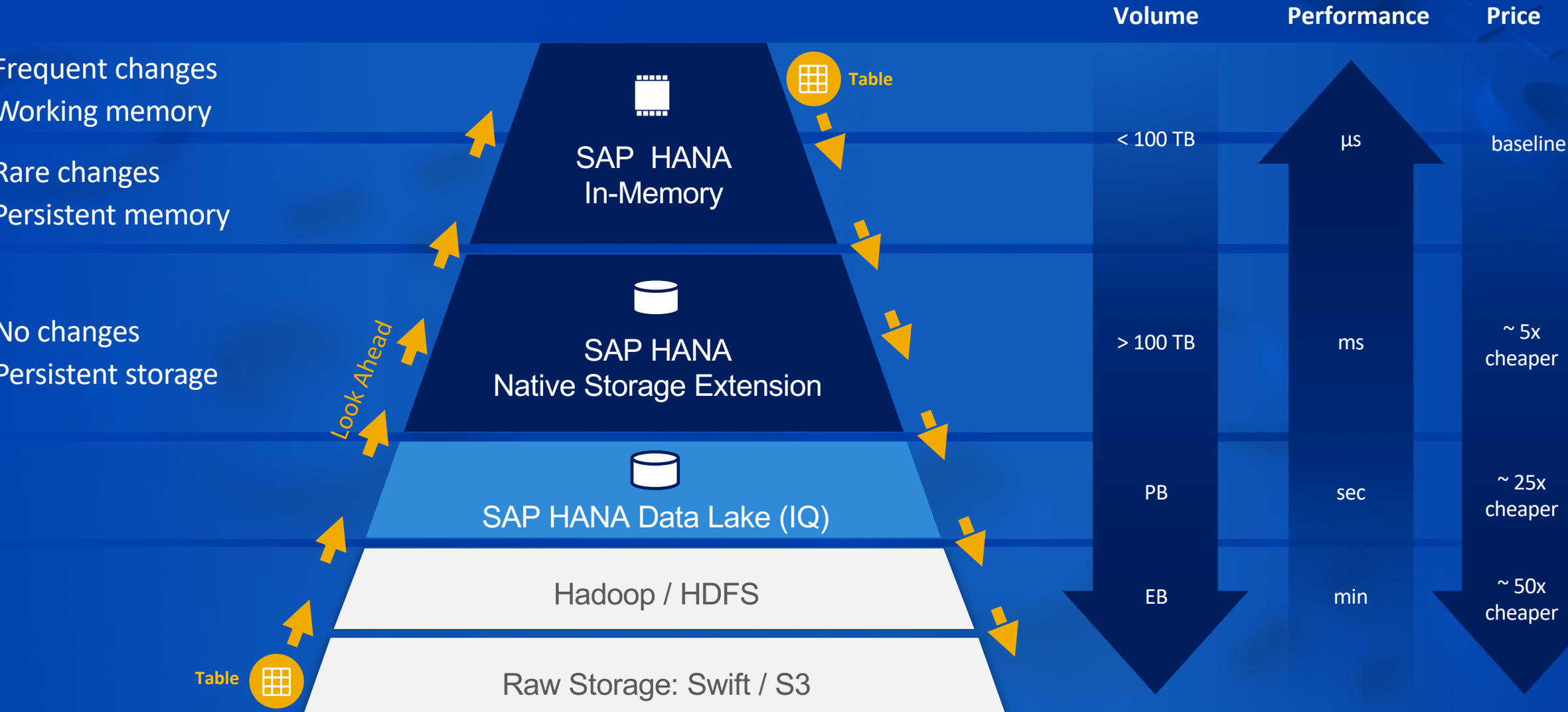
# SAP HANA Cloud Services

One Fast Access Gateway to All Data



# Data Pyramid

Query Data Beyond the Scale of SAP HANA with Low Costs



**AUTOMATE**

**REACT**

**REINVENT**

**AUTOMATE**



# Build the Intelligent Enterprise: Roadmap Excerpt

Roadmap Excerpt\*

Live view: <https://leonardo.tools.sap.corp/>

Machine Learning

Subject to change

SAP SuccessFactors

SAP Fieldglass

SAP Concur

SAP Ariba

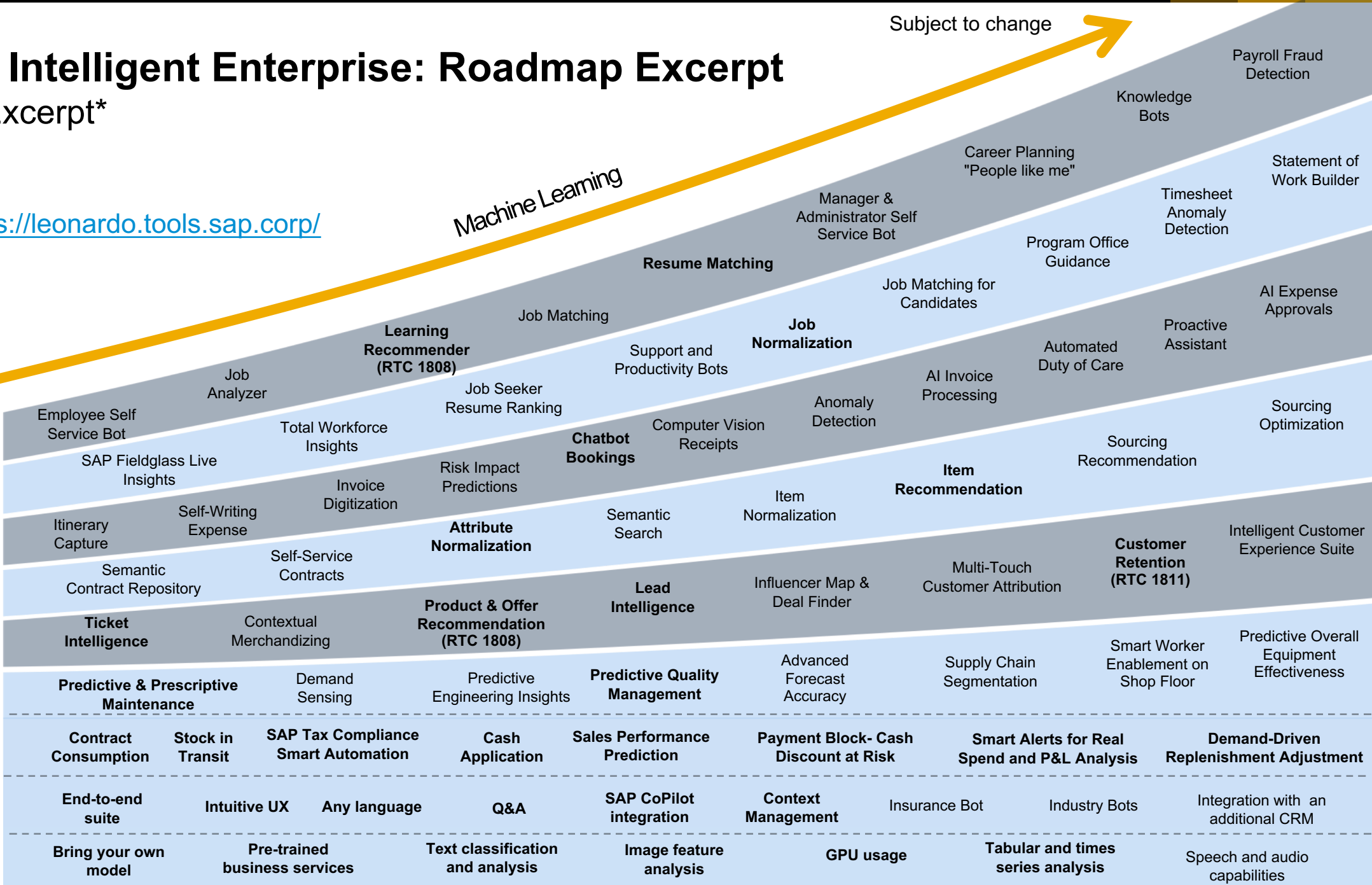
SAP C/4HANA

Digital Supply Chain & Manufacturing

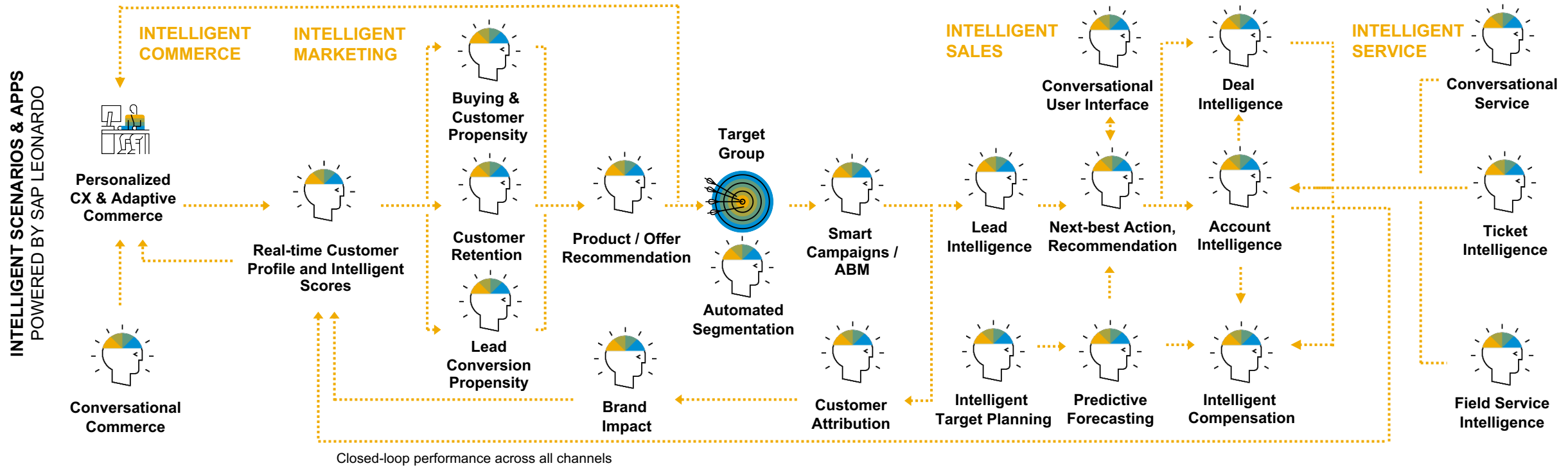
SAP S/4HANA  
(All available)

Conversational AI

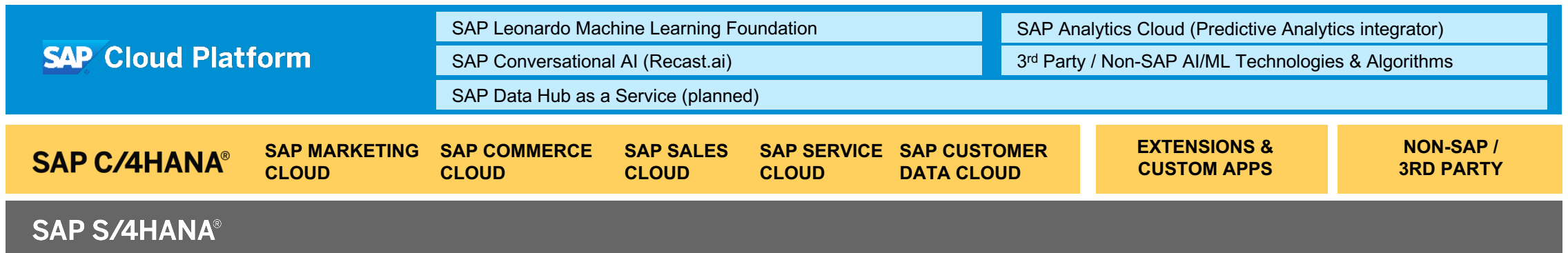
ML Foundation



# Data-Driven Customer Experience powered by AI and Machine Learning

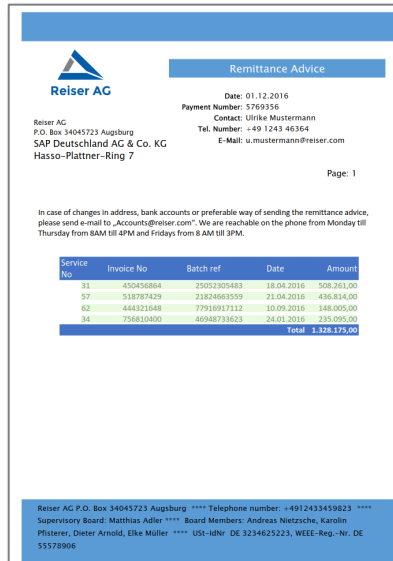


FRONT + AI/ML + DATA  
BACK OFFICE PLATFORM



# Payment Advice Extraction

Automated payment advice processing seamlessly integrated with SAP Cash Application



Remittance Advice

Date: 01.12.2016

Payment Number: 5769356

Contact: Ulrike Mustermann

Reiser AG  
P.O. Box 34045723 Augsburg  
SAP Deutschland AG & Co. KG  
Hasso-Plattner-Ring 7

Tel. Number: +49 1243 46364  
E-Mail: u.mustermann@reiser.com

Page: 1

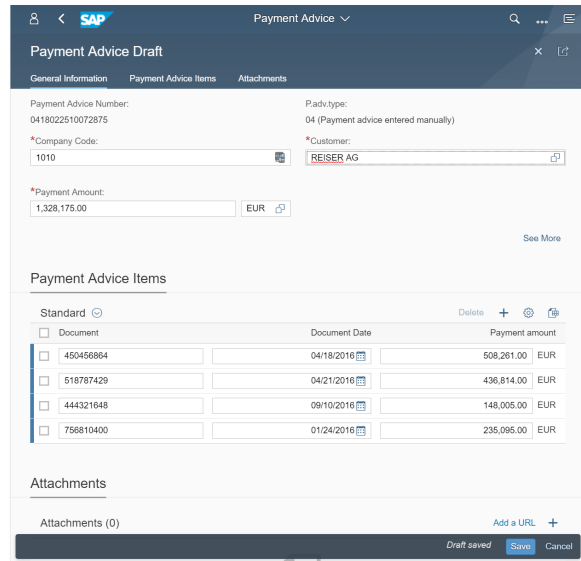
In case of changes in address, bank accounts or preferable way of sending the remittance advice, please send e-mail to „Accounts@reiser.com“. We are reachable on the phone from Monday till Thursday from 8AM till 4PM and Fridays from 8 AM till 3PM.

Service No	Invoice No	Batch ref	Date	Amount
81	450456864	25052505483	18.04.2016	508,261.00
57	518787429	21824665559	21.04.2016	436,814.00
82	444321648	77916917112	10.09.2016	148,006.00
94	756810400	40948733623	24.01.2016	235,095.00
<b>Total</b>				<b>1,328,175.00</b>

Reiser AG P.O. Box 34045723 Augsburg \*\*\*\* Telephone number: +4912434559223 \*\*\*\*  
Supervisory Board: Matthias Adler \*\*\*\* Board Members: Andreas Nietzsche, Karolin Pfisterer, Dieter Arnold, Elke Müller \*\*\*\* USt-IdNr: DE 3234625223, WEEE-Reg.-Nr. DE 55578906



Machine learning  
computer vision



Payment Advice Draft

General Information Payment Advice Items Attachments

Payment Advice Number: 0418022510072875 Padv type: 04 (Payment advice entered manually)

\*Company Code: 1010 \*Customer: REISER AG

\*Payment Amount: 1,328,175.00 EUR

See More

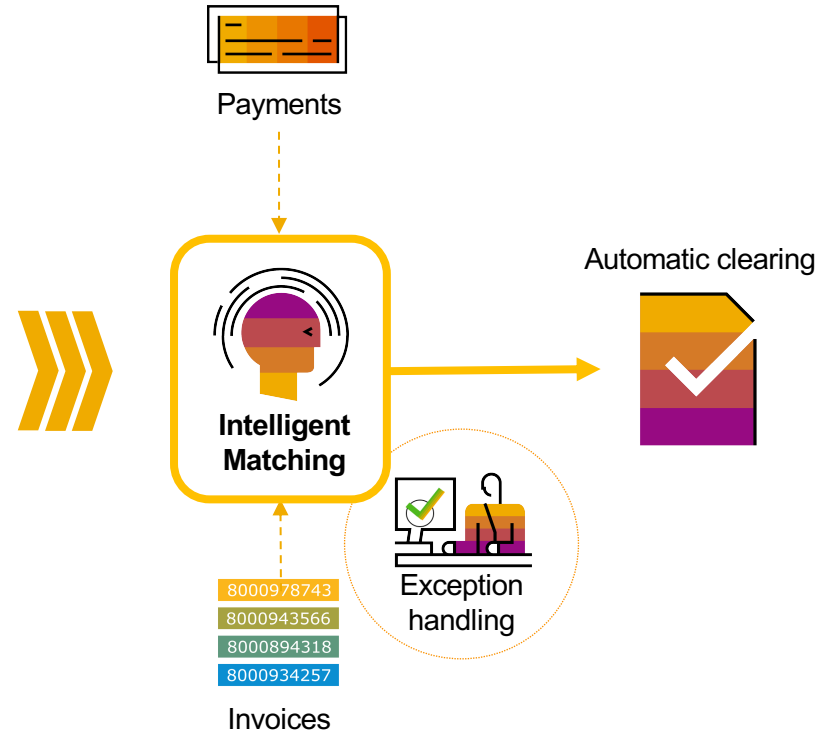
Payment Advice Items

Standard	Document	Document Date	Payment amount
<input type="checkbox"/>	450456864	04/18/2016	508,261.00 EUR
<input type="checkbox"/>	518787429	04/21/2016	436,814.00 EUR
<input type="checkbox"/>	444321648	09/10/2016	148,006.00 EUR
<input type="checkbox"/>	756810400	01/24/2016	235,095.00 EUR

Attachments

Attachments (0) Add a URL +

Draft saved Save Cancel



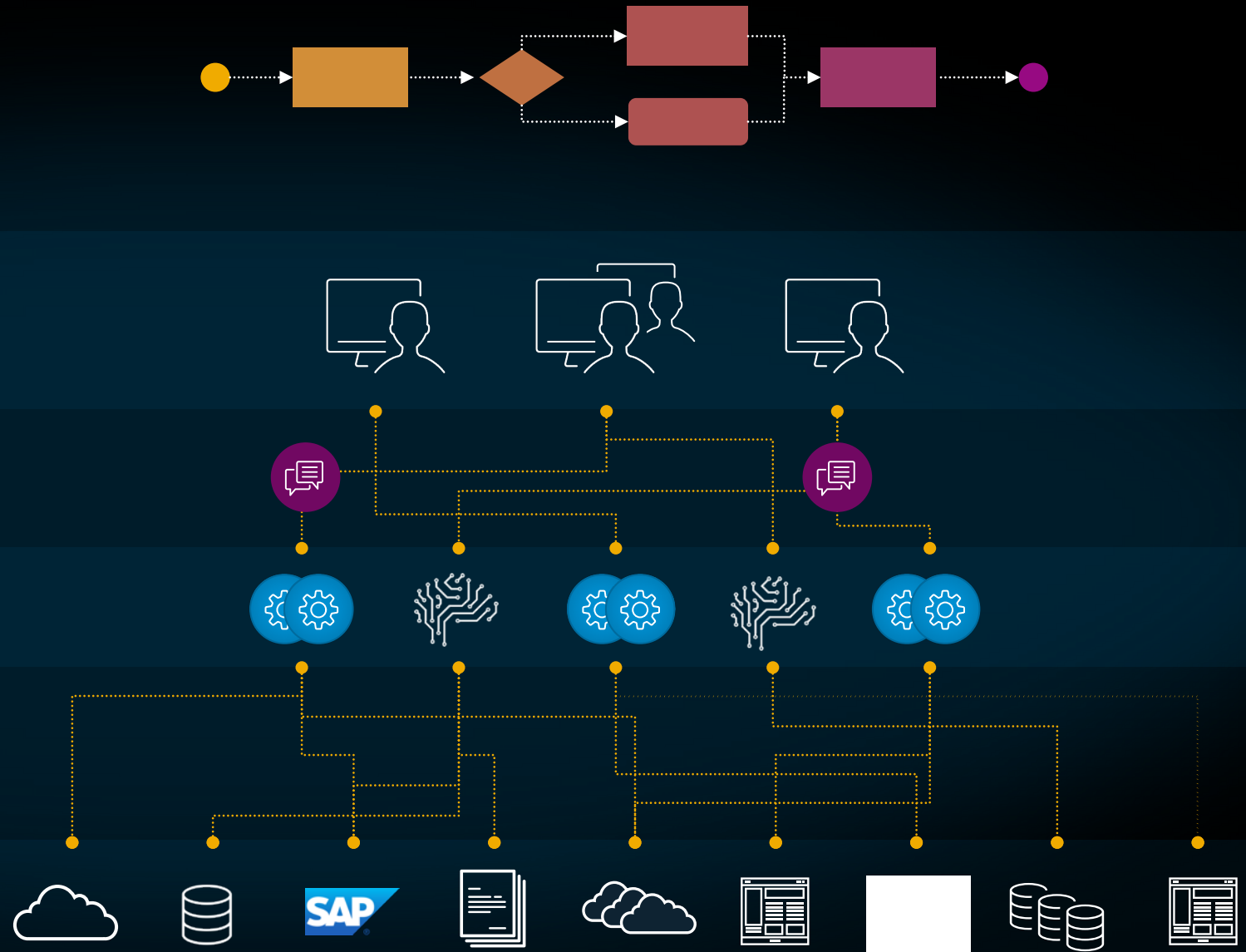
Drastically **lower manual efforts** by automatically extracting remittance information from unstructured advices (email, PDF, paper, etc.) to enhance payment matching

# SAP Intelligent RPA

SAP simplifies implementation by using native APIs.

Interactions are natural with Conversation AI.

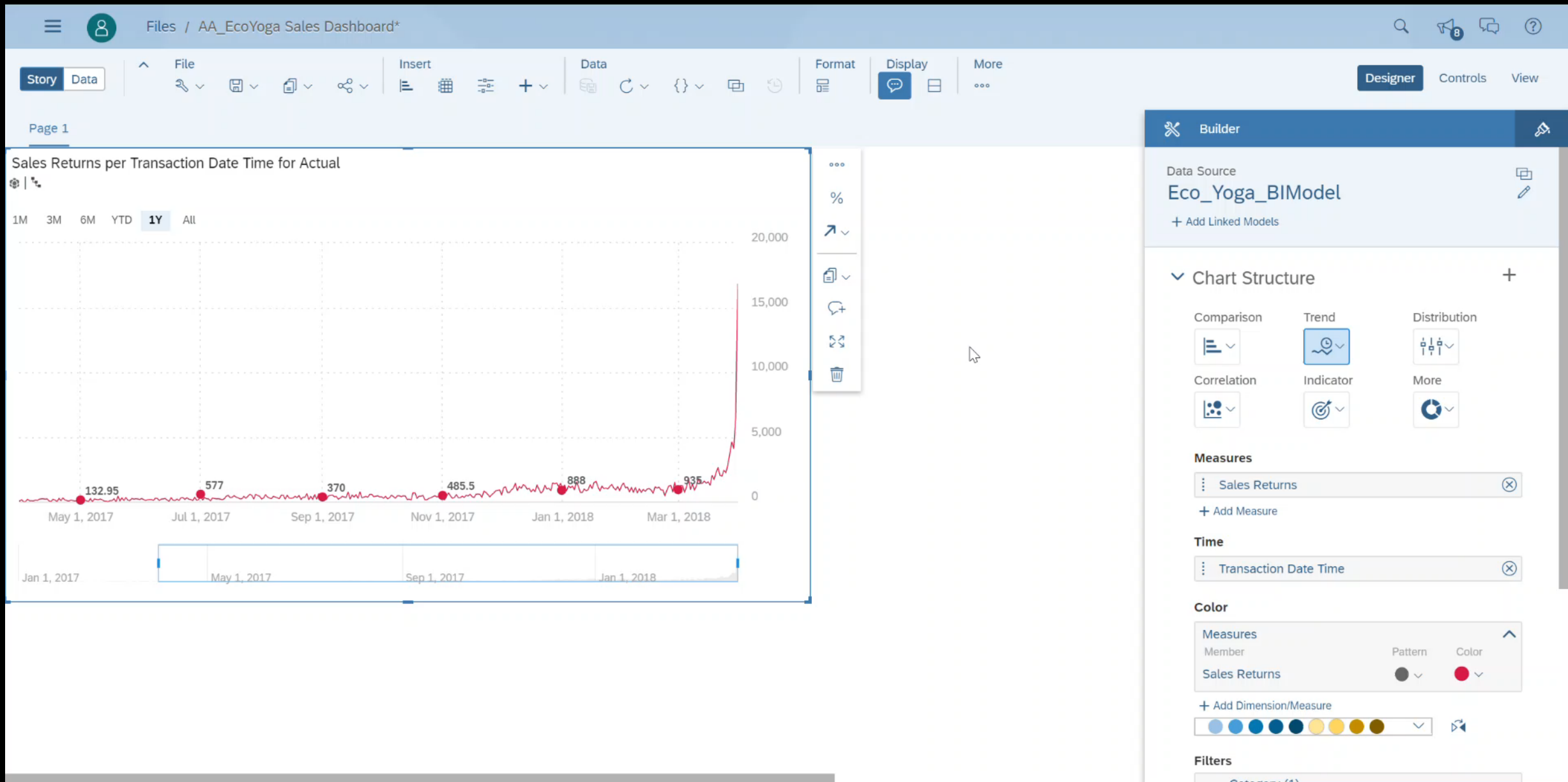
Automations are smarter with native ML built in.





**REACT**

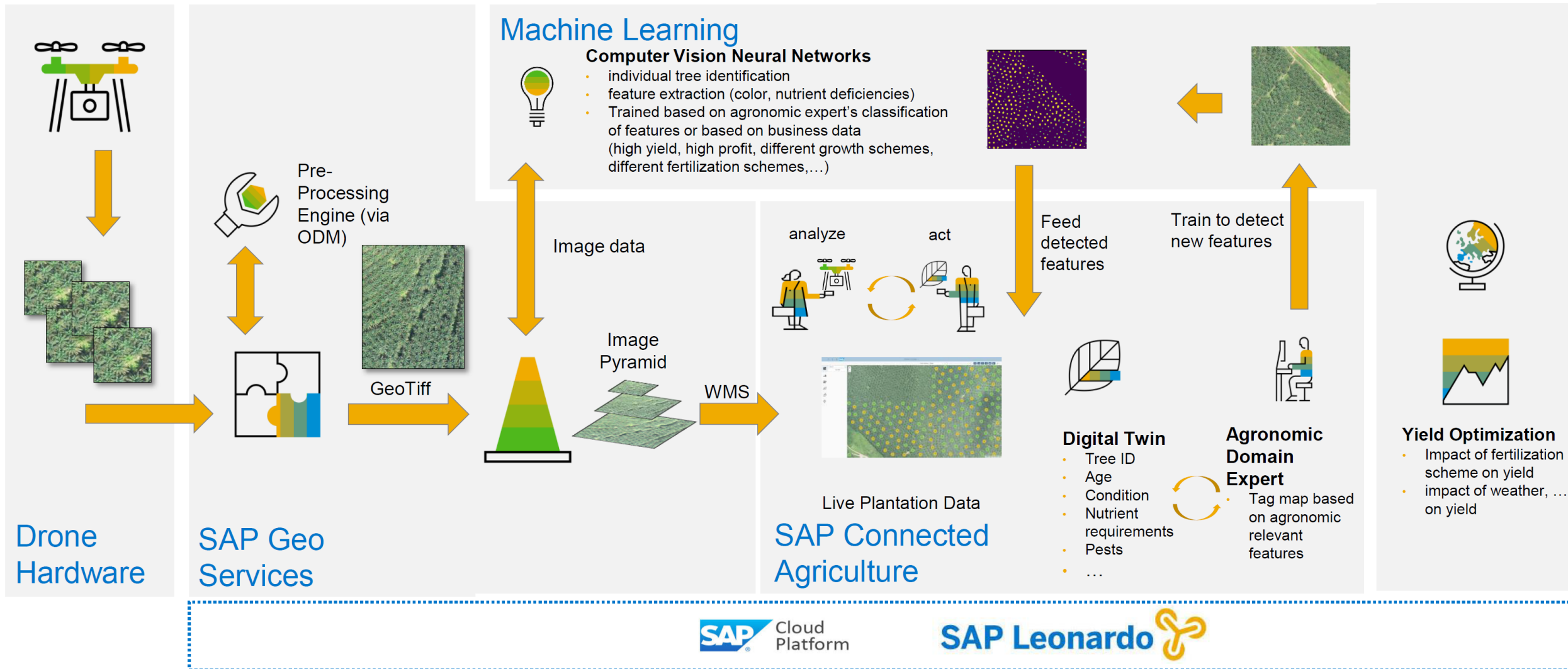
# SAP Analytics Cloud - Smart Insights



**REINVENT**

# Proof of Concept: Automated drone image analysis for large scale oil palm plantations

Lab preview





# Thank You!

Contact information:

Arta ALAVI,  
Chief Product Expert and Strategy Ambassador  
T&I – Advanced Analytics  
SAP