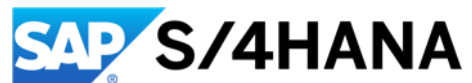




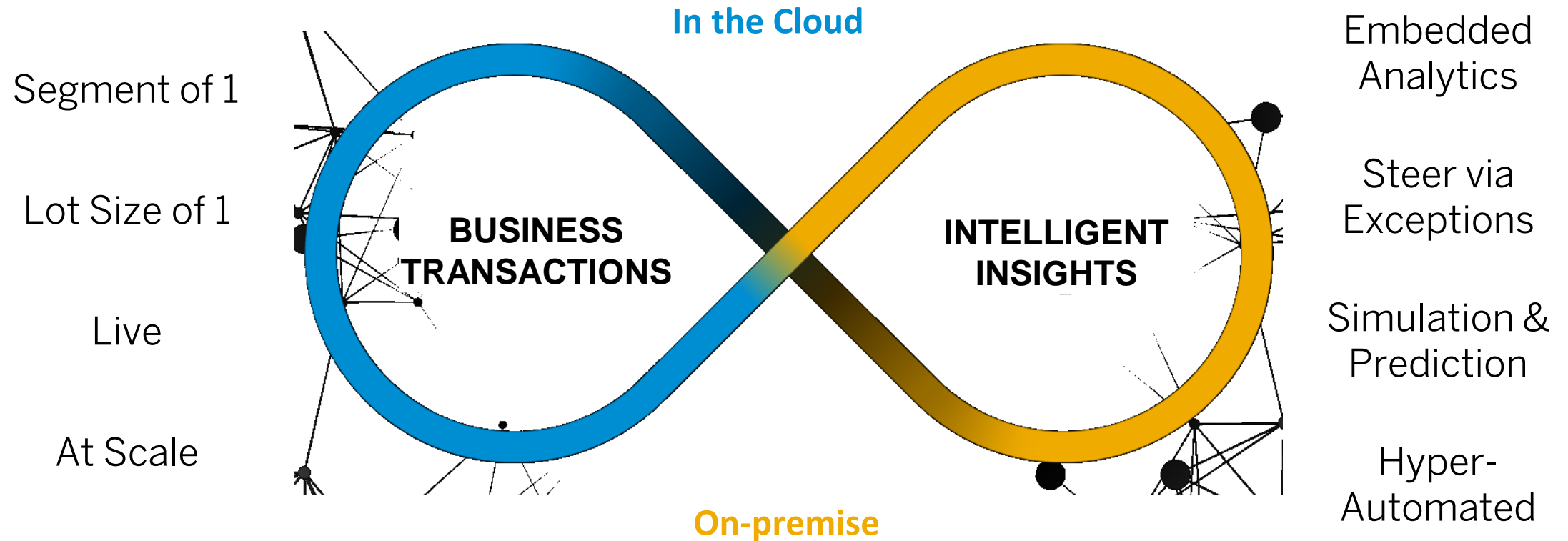
SAP S/4HANA 1709: **Smart Enterprise Intelligence by Machine Learning**

STEFAN BATZDORF, PRE-SALES EXPERT S/4HANA

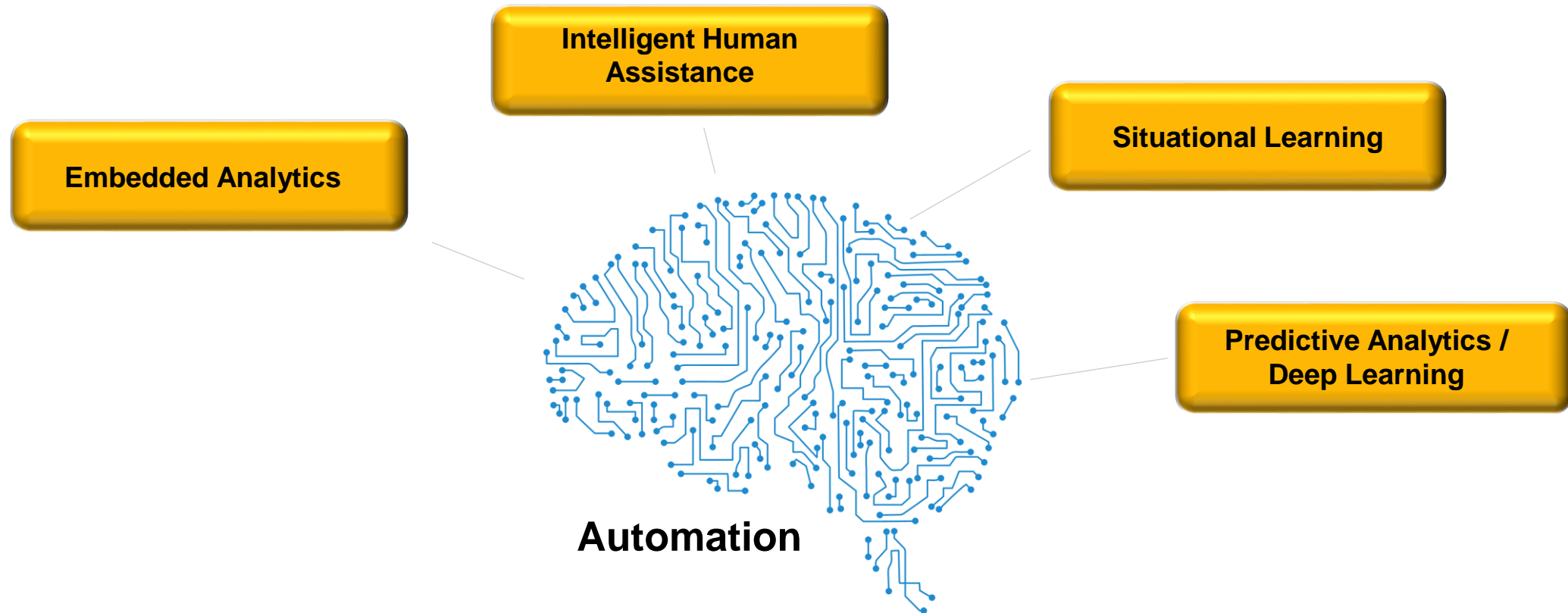
September 14th, 2017



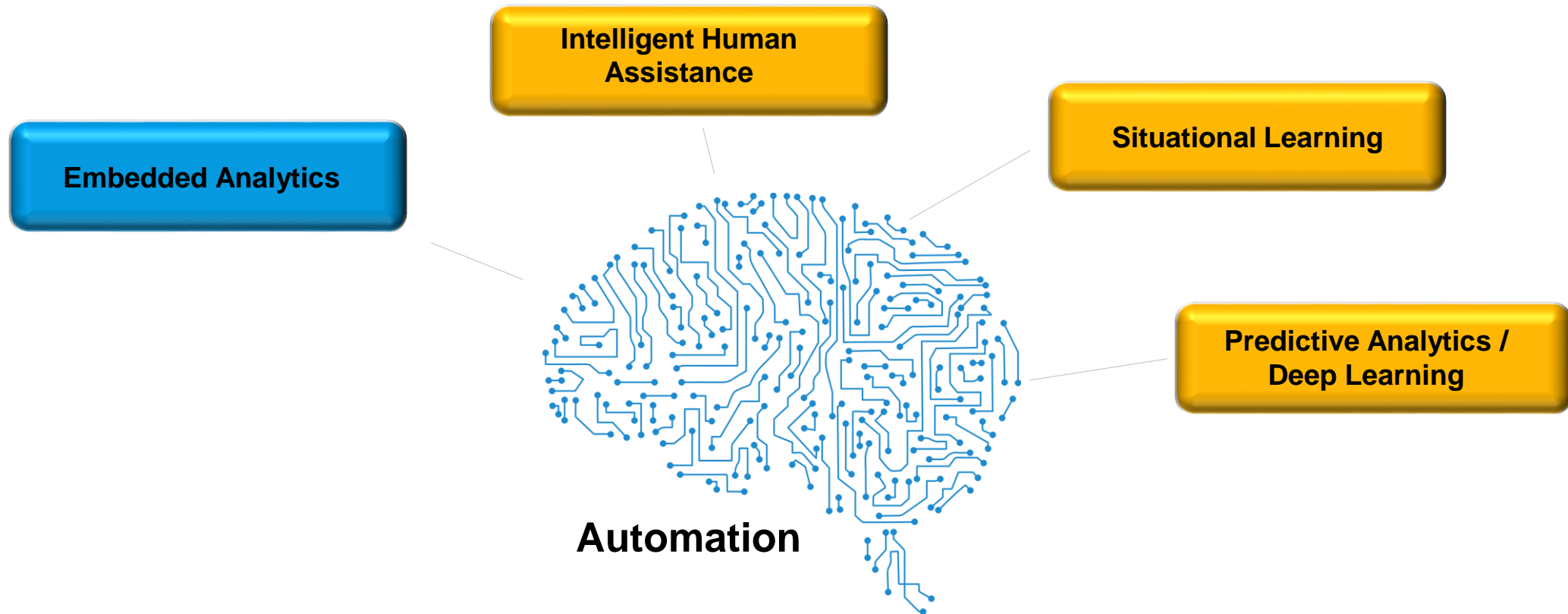
Why SAP has built a **digital core**



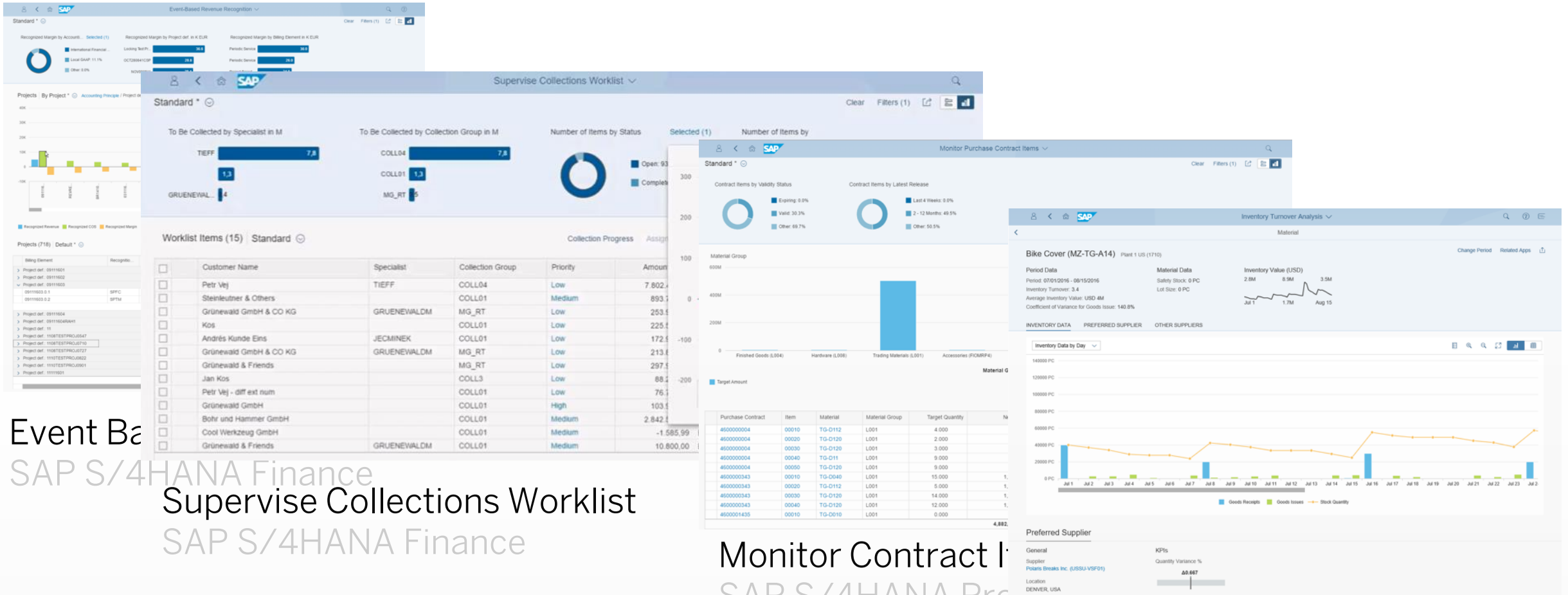
Automation & Machine Learning enables Smart Enterprise Intelligence



Automation & Machine Learning enables Smart Enterprise Intelligence



Steer with S/4HANA via Embedded Analytics



Event Based

SAP S/4HANA Finance

Supervise Collections Worklist

SAP S/4HANA Finance

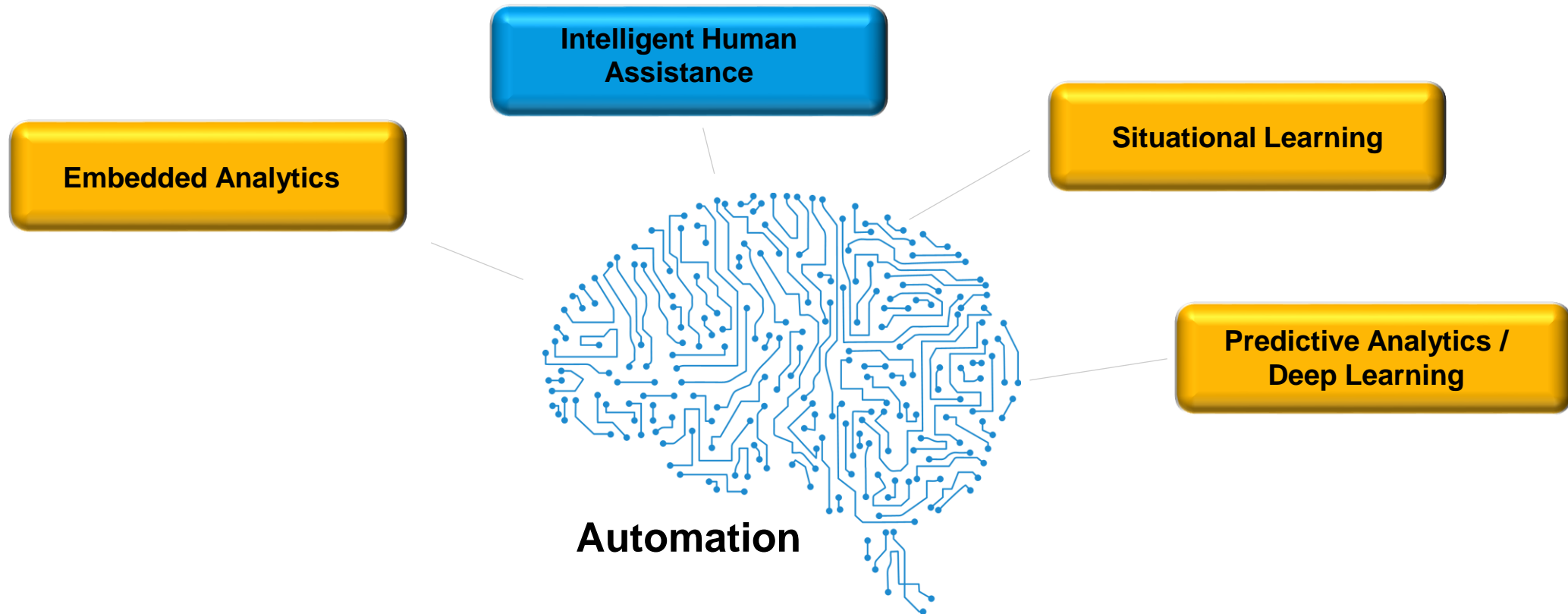
Monitor Contract Items

SAP S/4HANA Procurement

Inventory Turnover Analysis

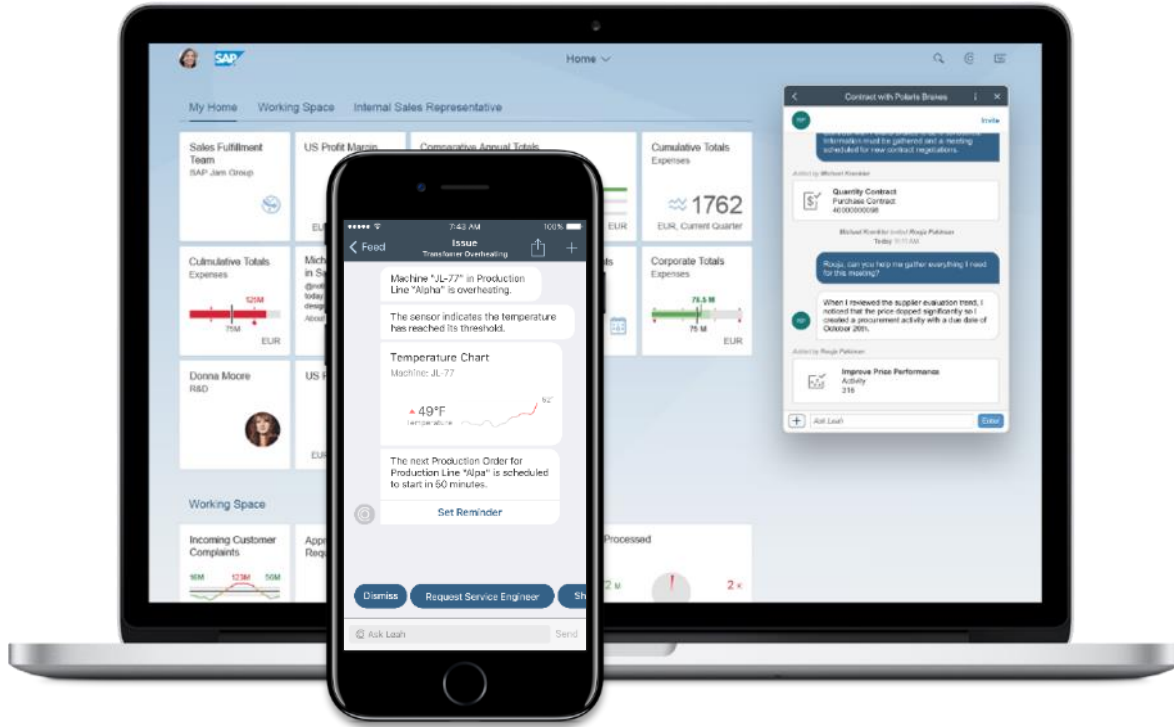
SAP S/4HANA Produce

Automation & Machine Learning enables Smart Enterprise Intelligence



SAP S/4HANA with SAP Leonardo: SAP Co-Pilot

The Digital Assistant for the Live Enterprise



SAP Co-Pilot – One Digital Assistant with One Personality Across All Products and Solutions, Industries and LoBs



Business context awareness

Understanding the business context, and pro-actively suggesting solutions using predictive functionality



Conversational (multi-modal) UI

Conversational UI using Natural Language Processing functionality with a focus on the next-gen UX to create a human-like experience



Cross Applications

Allows seamless transition across platforms; start a task on a mobile device and continue later, on a desktop or vice versa



Self Learning

Using machine learning functionality to gain knowledge based on historic data, experience, and take action in response to new or unforeseen events



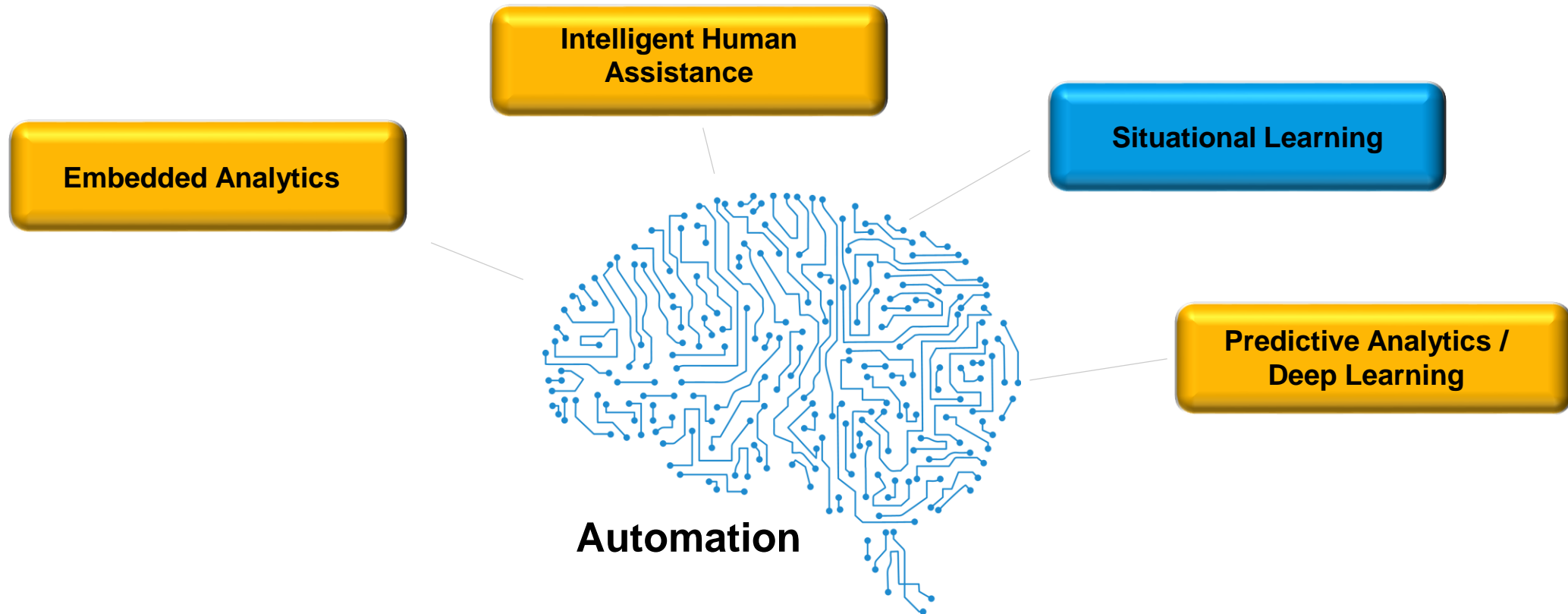
Simple Access to Enterprise AI Platform

Integration to SAP and Non-SAP Solutions
Simple access to Natural Language Processing and Machine Learning functionality via APIs

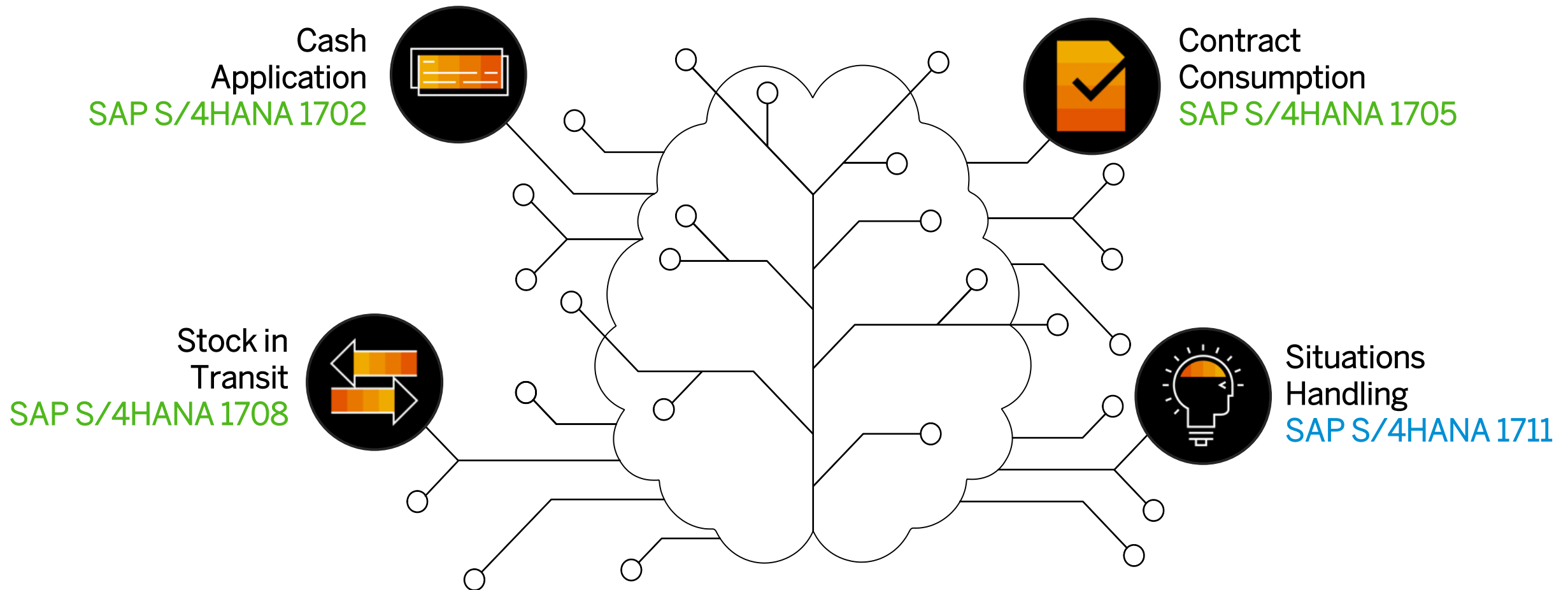
LAB
PREVIEW

LAB
PREVIEW

Automation & Machine Learning enables Smart Enterprise Intelligence



SAP S/4HANA hyper-automated via machine learning intelligence



Delivered – Planned

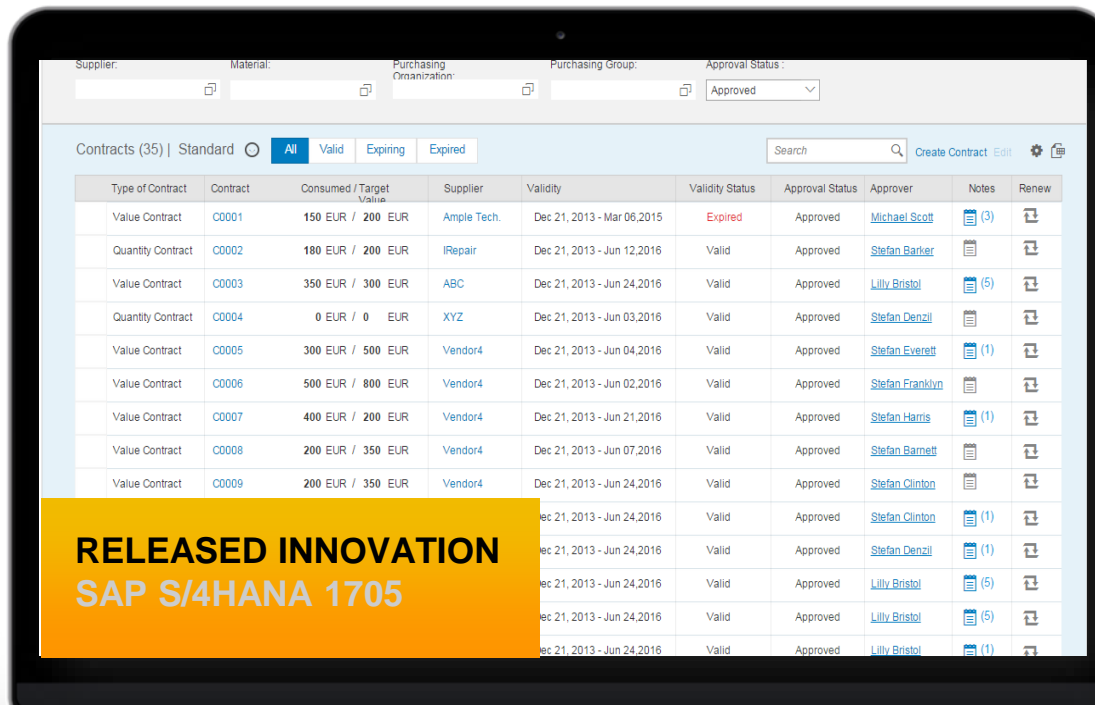
S/4HANA with Predictive Analytics Integrator for ML Intelligence

S/4HANA 1705 in Procurement Contract Consumption

Buyers can proactively manage contracts by predicting expiration or total consumption ahead of time to enable effective negotiations with Suppliers

S/4HANA 1708 in Produce Stock in Transit

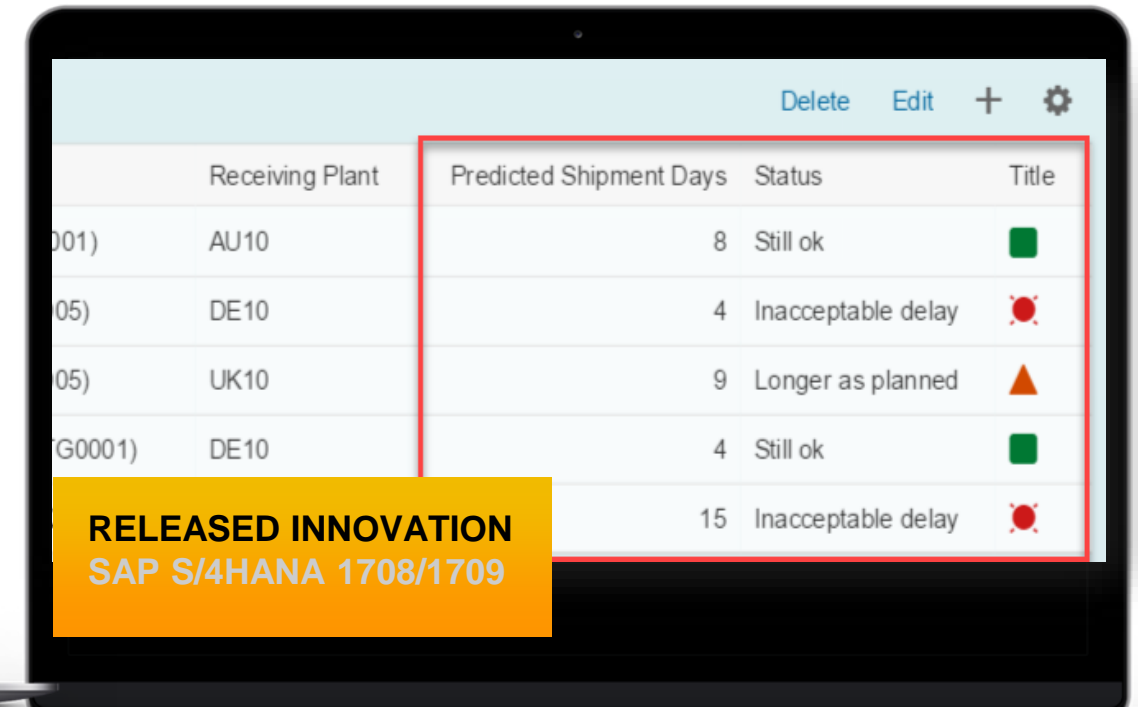
By forecasting delayed shipments or stock in transit Stock Managers can take action to mitigate or minimize impact of shipment delays



The screenshot shows the SAP S/4HANA 1705 Contracts table. The table has columns for Type of Contract, Contract, Consumed / Target Value, Supplier, Validity, Validity Status, Approval Status, Approver, Notes, and Renew. The table is filtered by 'Standard' and 'All' status. A red box highlights the 'Expired' status in the 'Validity Status' column for the first row.

Type of Contract	Contract	Consumed / Target Value	Supplier	Validity	Validity Status	Approval Status	Approver	Notes	Renew
Value Contract	C0001	150 EUR / 200 EUR	Ample Tech.	Dec 21, 2013 - Mar 06, 2015	Expired	Approved	Michael Scott	(3)	
Quantity Contract	C0002	180 EUR / 200 EUR	IRepair	Dec 21, 2013 - Jun 12, 2016	Valid	Approved	Stefan Barner		
Value Contract	C0003	350 EUR / 300 EUR	ABC	Dec 21, 2013 - Jun 24, 2016	Valid	Approved	Lilly Bristol	(5)	
Quantity Contract	C0004	0 EUR / 0 EUR	XYZ	Dec 21, 2013 - Jun 03, 2016	Valid	Approved	Stefan Denzil		
Value Contract	C0005	300 EUR / 500 EUR	Vendor4	Dec 21, 2013 - Jun 04, 2016	Valid	Approved	Stefan Everett	(1)	
Value Contract	C0006	500 EUR / 800 EUR	Vendor4	Dec 21, 2013 - Jun 02, 2016	Valid	Approved	Stefan Franklin		
Value Contract	C0007	400 EUR / 200 EUR	Vendor4	Dec 21, 2013 - Jun 21, 2016	Valid	Approved	Stefan Harris	(1)	
Value Contract	C0008	200 EUR / 350 EUR	Vendor4	Dec 21, 2013 - Jun 07, 2016	Valid	Approved	Stefan Barnett		
Value Contract	C0009	200 EUR / 350 EUR	Vendor4	Dec 21, 2013 - Jun 24, 2016	Valid	Approved	Stefan Clinton		

**RELEASED INNOVATION
SAP S/4HANA 1705**

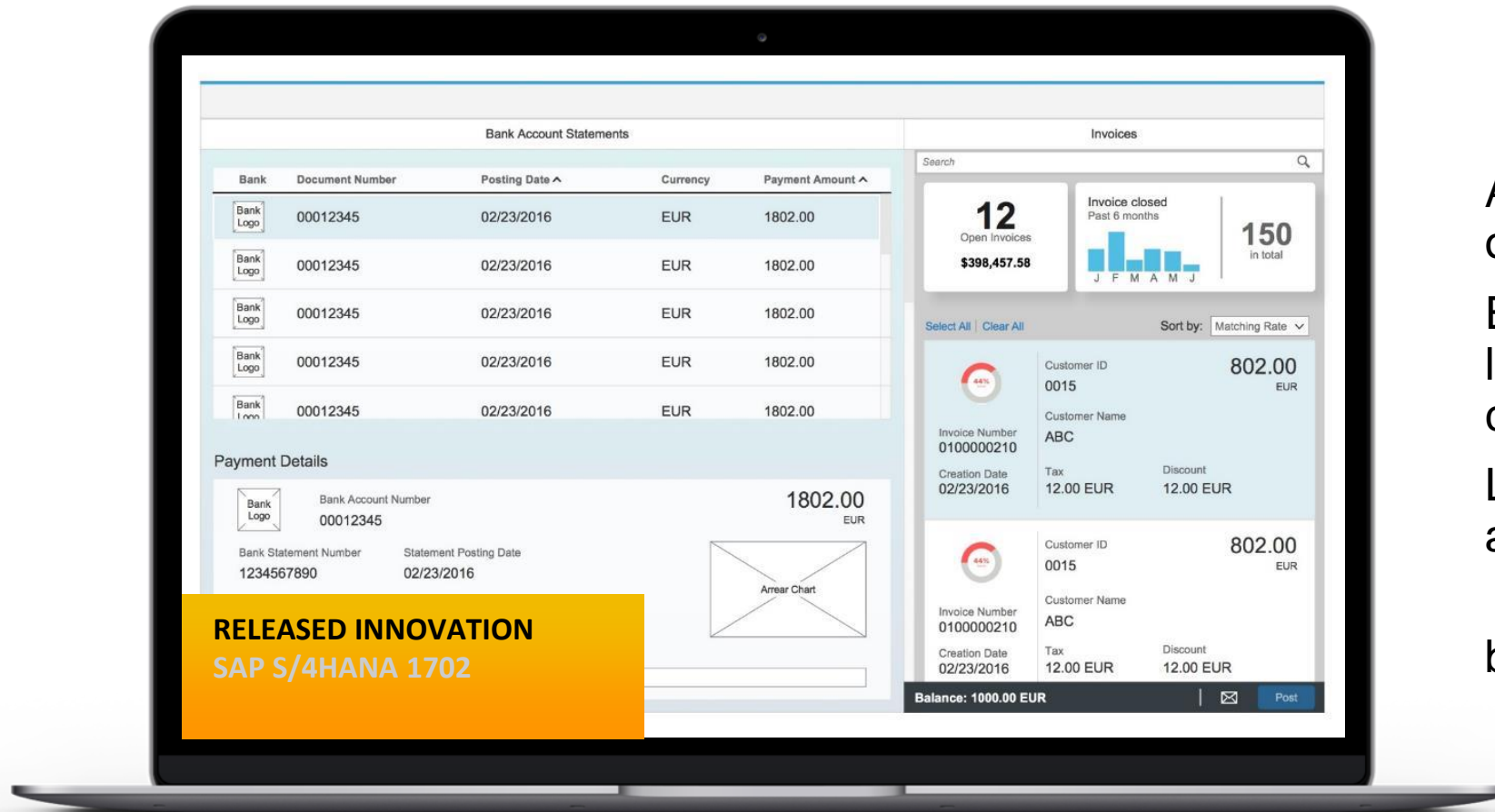


The screenshot shows the SAP S/4HANA 1708/1709 Stock in Transit table. The table has columns for Receiving Plant, Predicted Shipment Days, Status, and Title. A red box highlights the 'Status' column for the first three rows, showing 'Still ok', 'Inacceptable delay', and 'Longer as planned'.

Receiving Plant	Predicted Shipment Days	Status	Title
001) AU10	8	Still ok	
05) DE10	4	Inacceptable delay	
05) UK10	9	Longer as planned	
G0001) DE10	4	Still ok	
	15	Inacceptable delay	

**RELEASED INNOVATION
SAP S/4HANA 1708/1709**

SAP Cash Application by SAP Leonardo



Business Value in Finance

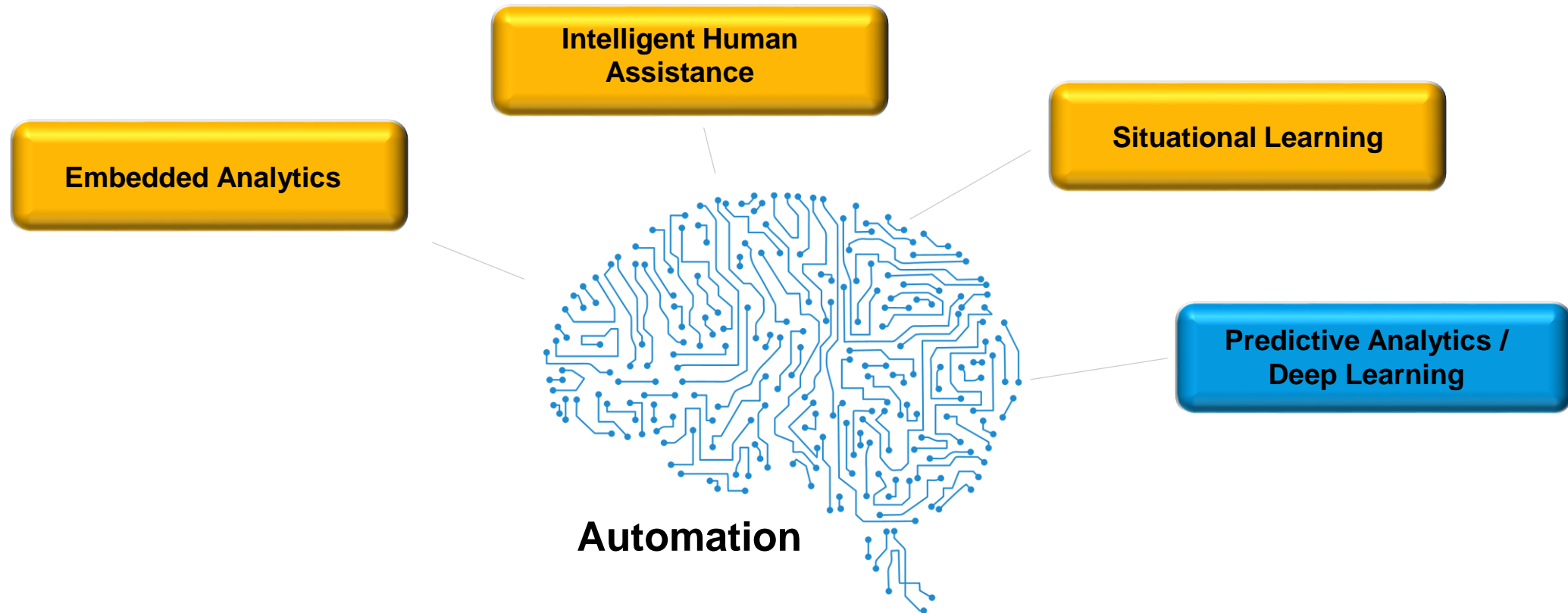
Automatically match payments to open customer invoices

Enables substantial reduction of labor costs per invoice and faster clearing

Learn from accountants' actions and applies it to future payments

Automation shifts effort towards better service quality.











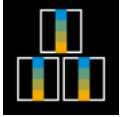





Automation & Machine Learning enables Smart Enterprise Intelligence



Smart Enterprise Intelligence by ML in SAP S/4HANA with SAP Leonardo



SAP S/4HANA + SAP Leonardo = THE Intelligent Business

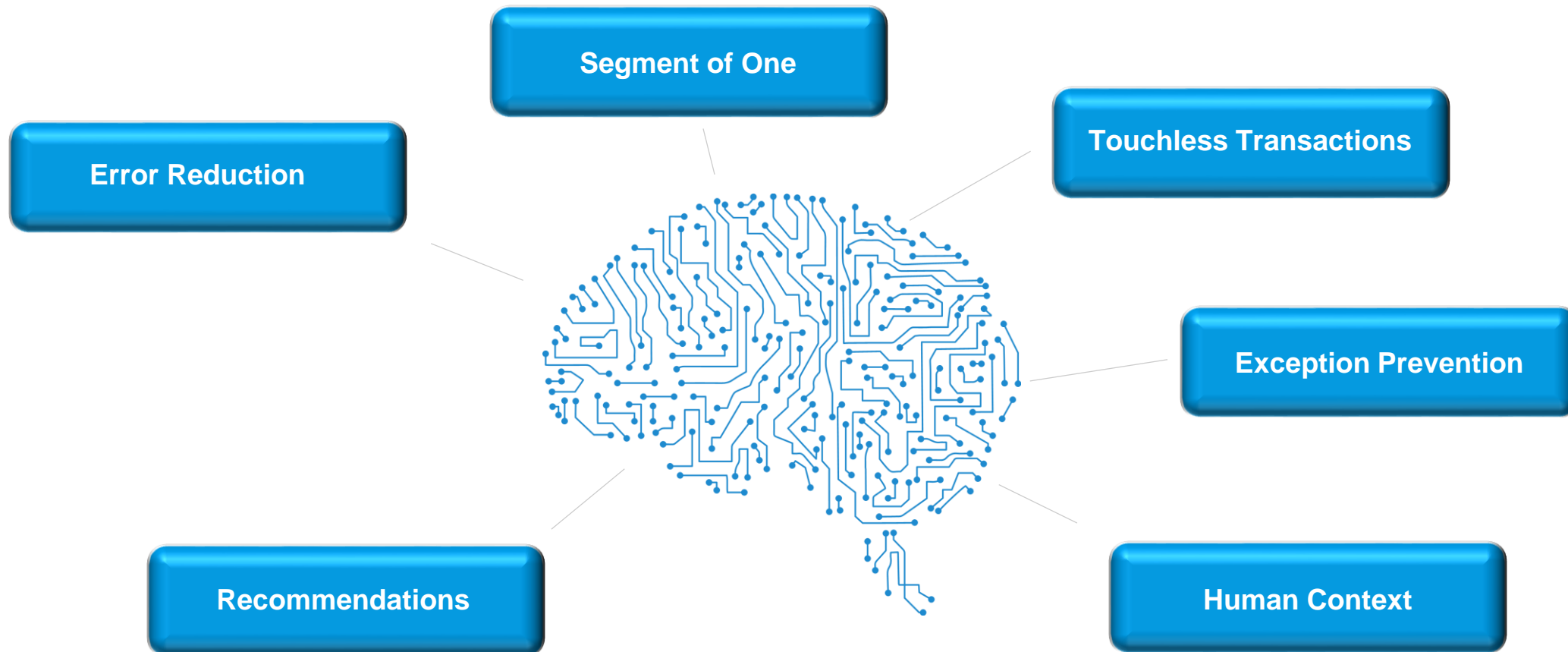
	SAP S/4HANA Asset Management	+		SAP Leonardo IoT Application Enablement by SAP Data Science Services *	=		SAP Predictive Maintenance Avoid unplanned machine downtime and reduce maintenance costs	 RELEASED Cloud / OP
	SAP S/4HANA Finance	+		SAP Leonardo SAP Leonardo Machine Learning Foundation on SAP Cloud Platform	=		SAP Cash Application Automate payment and invoice matching	RELEASED Cloud 1702 / OP 1709 (planned)
	SAP S/4HANA Sourcing and Procurement	+		SAP Leonardo SAP Leonardo Predictive Analytics	=		Contract Consumption in Procure Proactively renew contracts by predicting their expiration and consumption	RELEASED Cloud 1705 / OP 1709 (planned)
	SAP S/4HANA Material Management	+		SAP Leonardo SAP Leonardo Predictive Analytics	=		Stock In Transit in Produce Mitigate production risks by forecasting stock in transit Delays	PLANNED Cloud 1708 / OP 1709
	SAP S/4HANA Finance	+		SAP Leonardo SAP Leonardo Machine Learning Foundation on SAP Cloud Platform	=		SAP Remittance Advice * Extract payment info from unstructured documents to automate clearing process	PLANNED Cloud 1711 Beta

* The official name is currently requested at SAP branding.

Conclusion



Smart Enterprise Intelligence by ML Drives Automation



Thank you.

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