

Die Doppelte KI-Revolution: **Agenten vereinfachen Signavio, Process Intelligence sichert KI-Exzellenz**

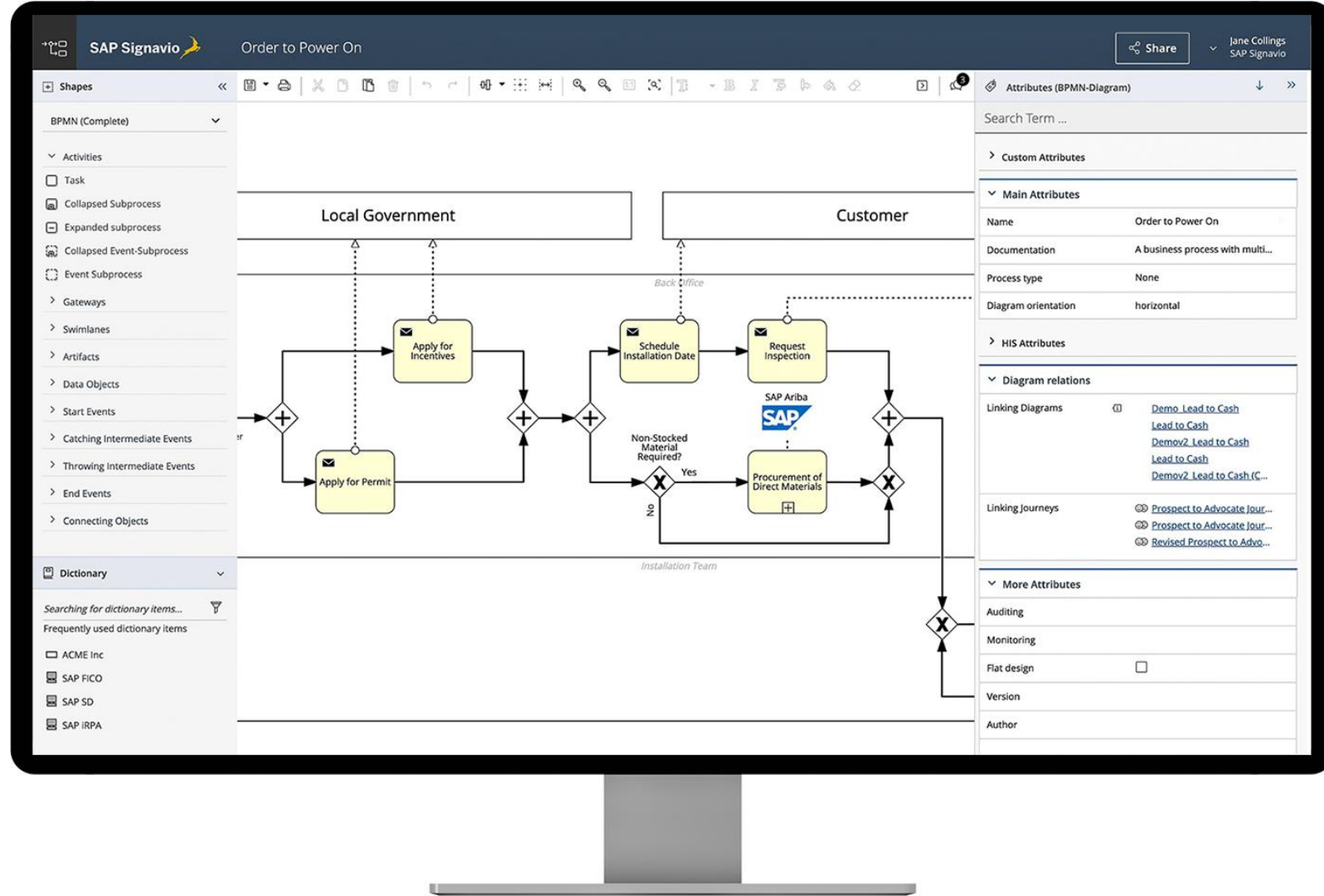
4p.INSIGHTS | Universität Passau | 01.10.2026

Manuel Meindl | SAP Signavio Process Intelligence Produktmanagement

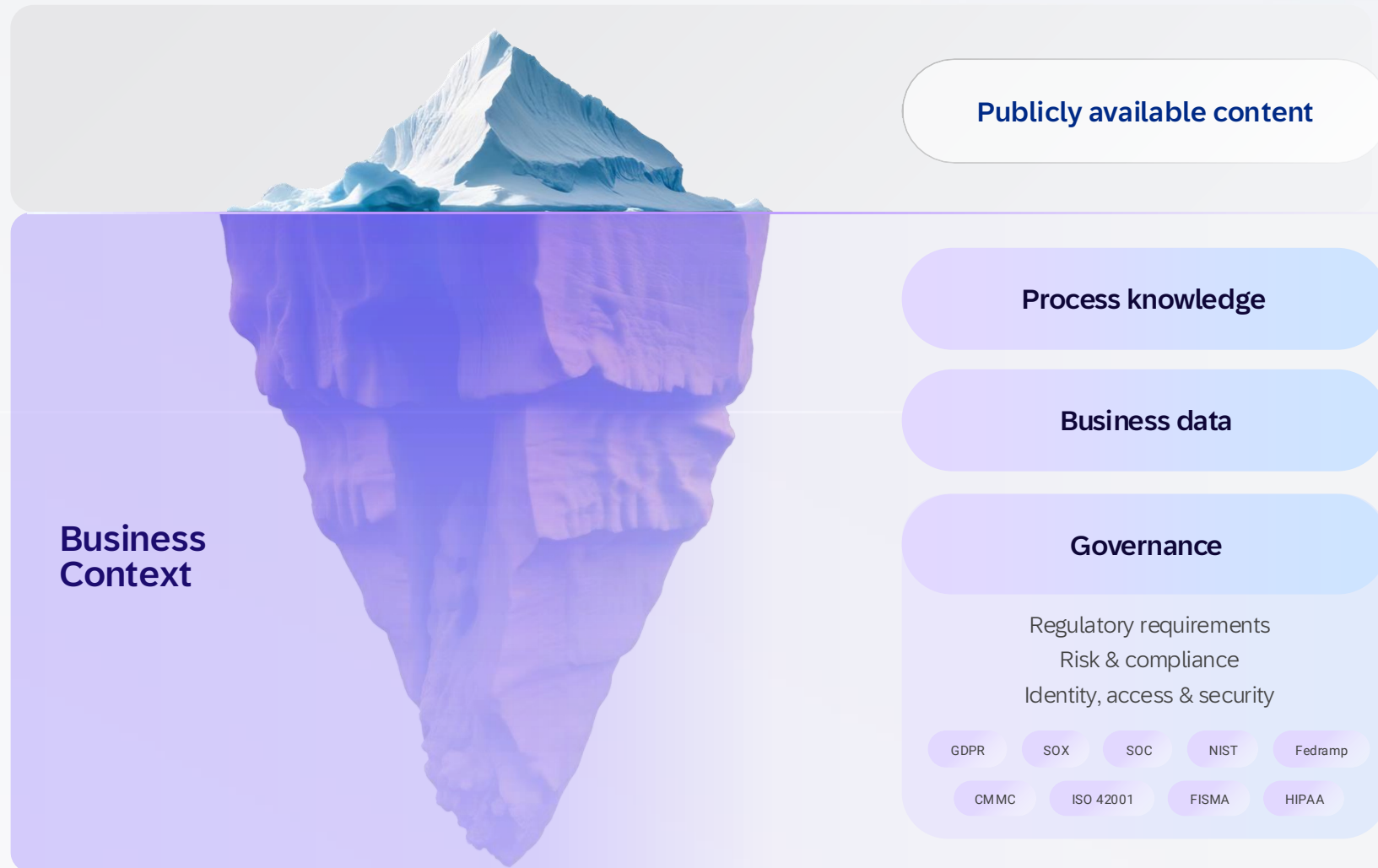
October, 2026

PUBLIC





Why AI often remains a pilot project



The Root Cause

[Link to latest article](#)

Enterprise work was expressed for human judgement and not machine processing

Humans build meaning from experience. We know what failure feels like.

LLMs generates the most plausible next step with confidence. Right or wrong.

The judgement gap

A complex biological world model

A prediction machine

Language

How we communicate intent

Semantics

How we establish meaning

Epistemology

How we determine what is true

Phronesis

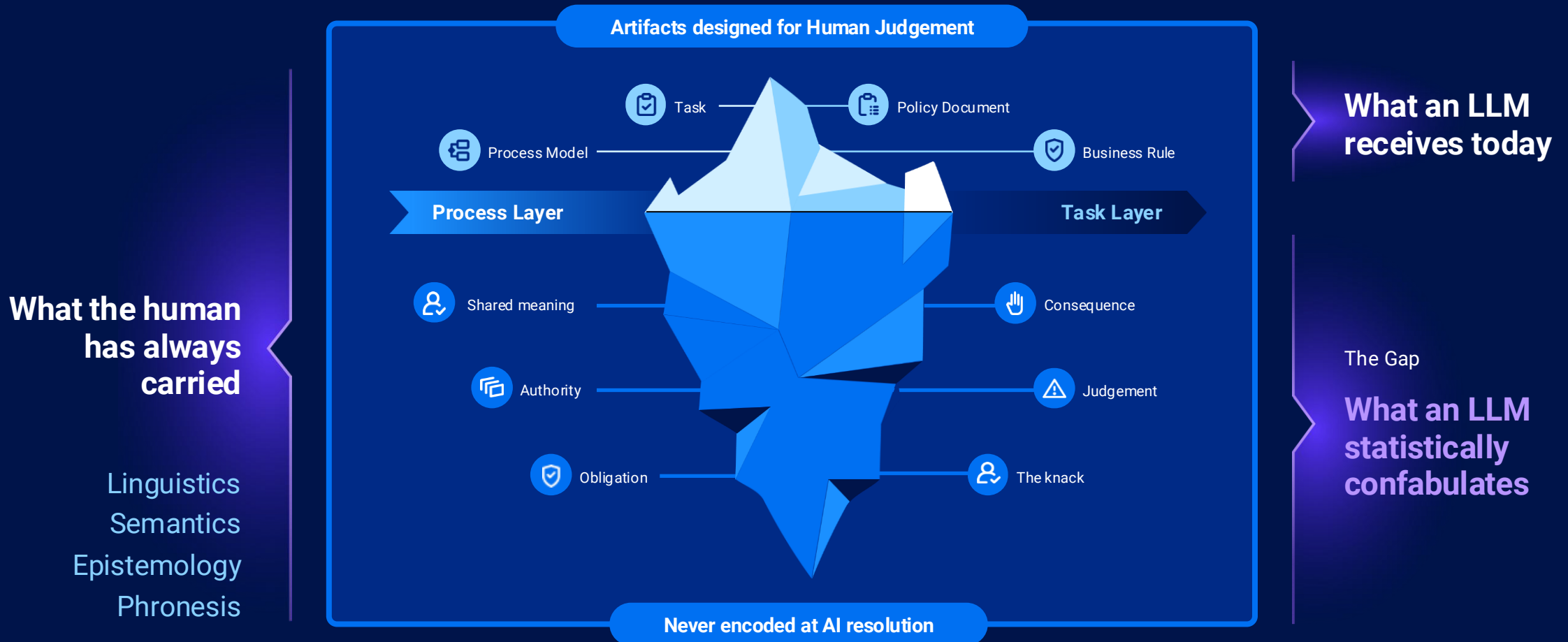
How we apply practical wisdom

AI has represents language, but it does not contain judgement

“Geh rüber zum Hahn und wasch’ Dir die Hände”



AI inherits the task and language, not the judgement behind it



Enterprises fill the gaps with prompts, fragments, and files. That is where the risk begins.

The Single Agent Context Risk

What you think it is:

A Prompt:

*You are an AP invoice agent. Always follow company policy doc v3.2 (see SharePoint link)
If vendor is high risk check compliance rules (appendix*

B)

*Unless invoice < \$5k then auto approve But not for region EU unless VAT flag present
Use SAP for validation but fallback to Excel if unavailable*

*If exception escalate to manager (see org chart PDF)
Do not violate SOX controls Check duplicate invoices (see previous run logs)*

If unclear ask user for clarification Tone: professional but friendly

IMPORTANT: Do not hallucinate

What it actually is:

- Process logic
- Policy
- Org structure
- System instructions
- Risk controls
- Exception handling



Unstructured text

No audit trail or change control.
Unacceptable for any regulated process.

**Business
RISK**

From Vision to Reality

SAP Company Memory

Build the knowledge layer for all agents

CUSTOMER ESCALATION

High demand

How do you decide when a customer issue needs escalating?

6 colleagues · 2 agents missing this context

VENDOR INVOICE MATCHING

3x this week

How does your team handle failed 3-way matches?

4 colleagues · 2 agents missing this context

Discuss

CROSS-BORDER PAYMENTS

Daily go

How does cross-border payment routing work in practice?

6 colleagues · 3 agents missing this context

Share what your team knows, or ask the company memory anything...

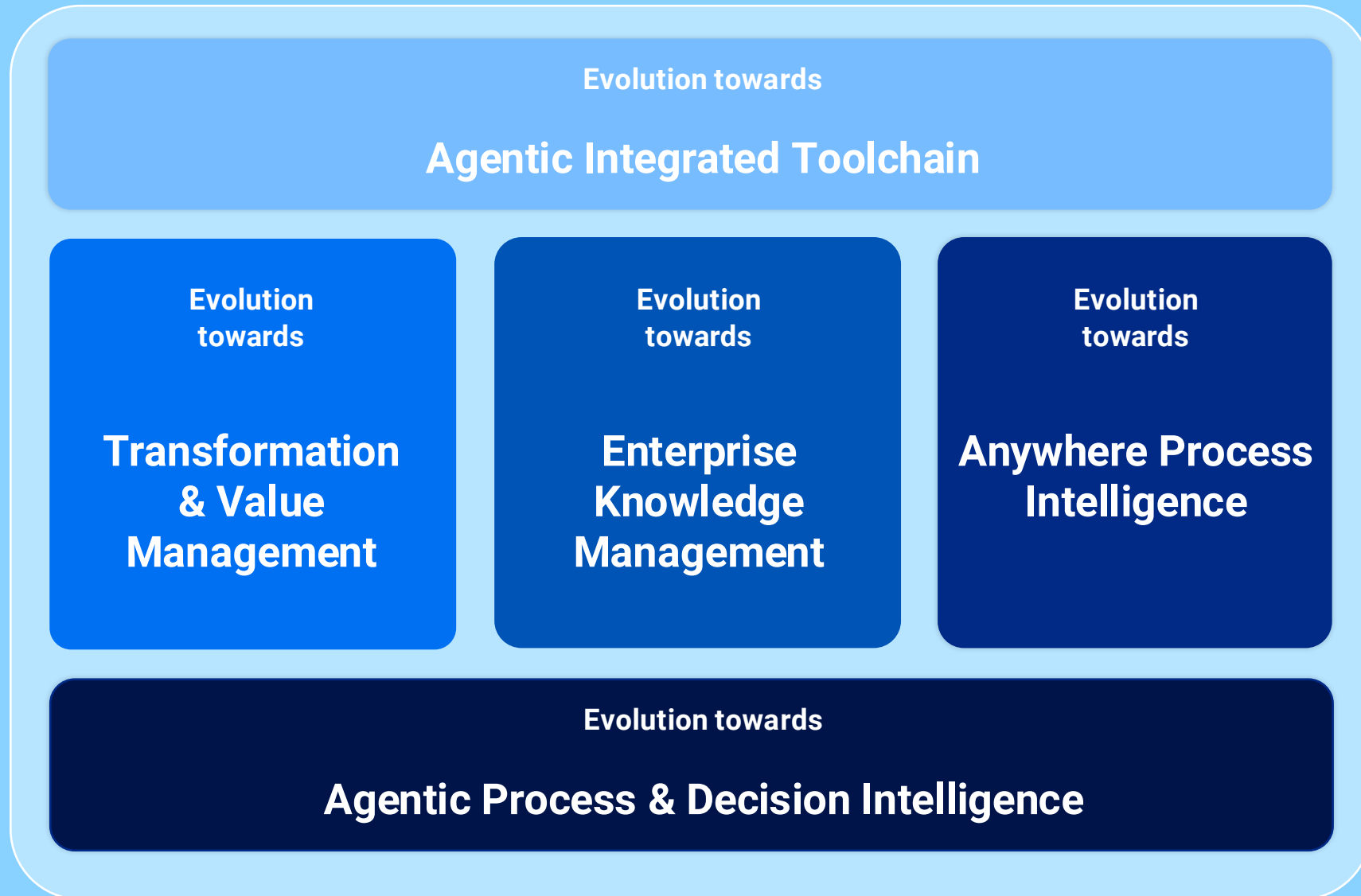


The one suite for everything Process

The SAP Signavio Process Transformation Suite



Process is the knowledge cornerstone for enterprise AI



A new way of process modeling

© 2026 SAP SE or an SAP affiliate company. All rights reserved. See Legal Notice on www.sap.com/legal-notice for use terms, disclaimers, disclosures, or restrictions related to this material.

SAP Bring out your best.

Evolution Towards Enterprise Knowledge Management

The next generation of context management for teams and agents

 Text

Available (Base AI)

 Images

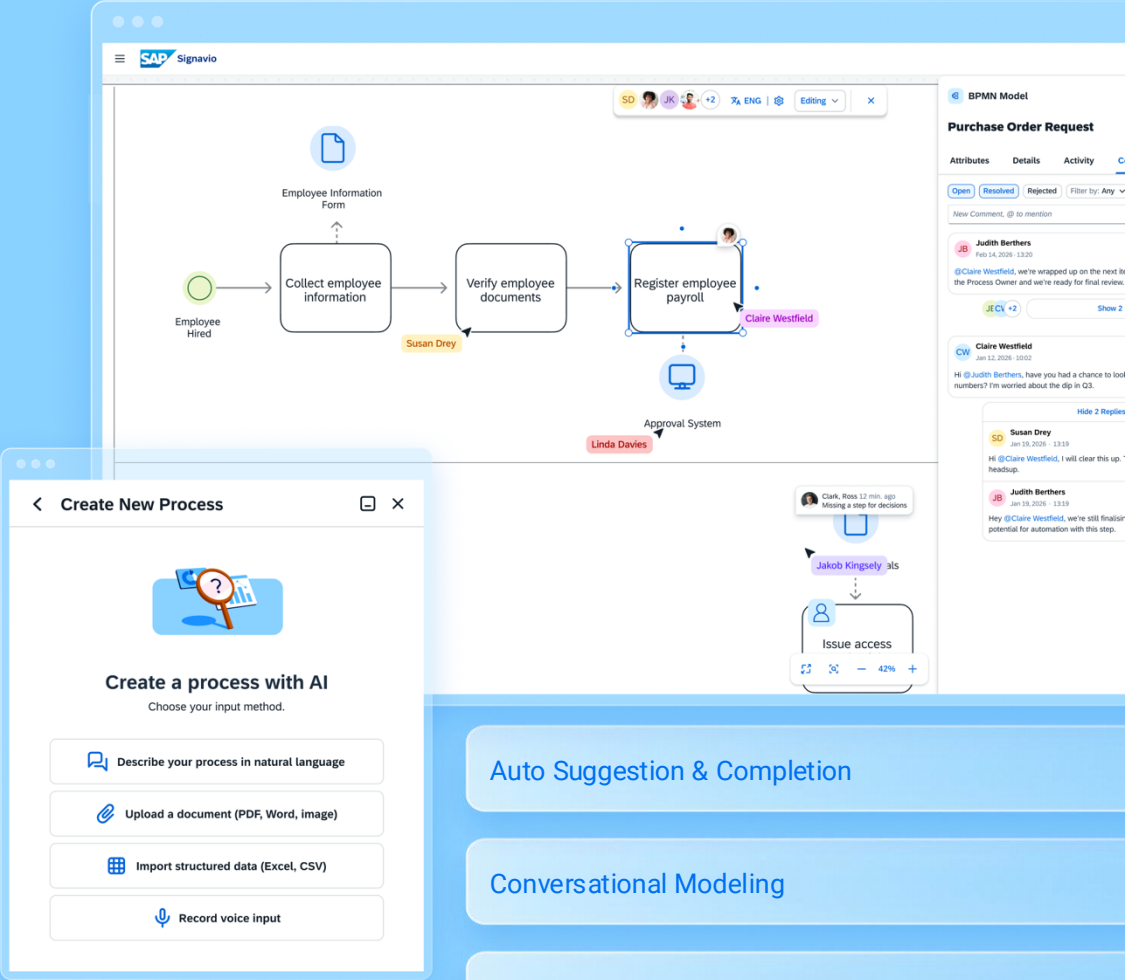
Available (Base AI)

 Tables

Available (Base AI)

 Voice

Available in Labs Space



Auto Suggestion & Completion

Available
(Base AI)

Conversational Modeling

Available
(Base AI)

Real-time collaboration (incl. with agents)

October 2026
(Base AI)



New Process



English (US) | ▾

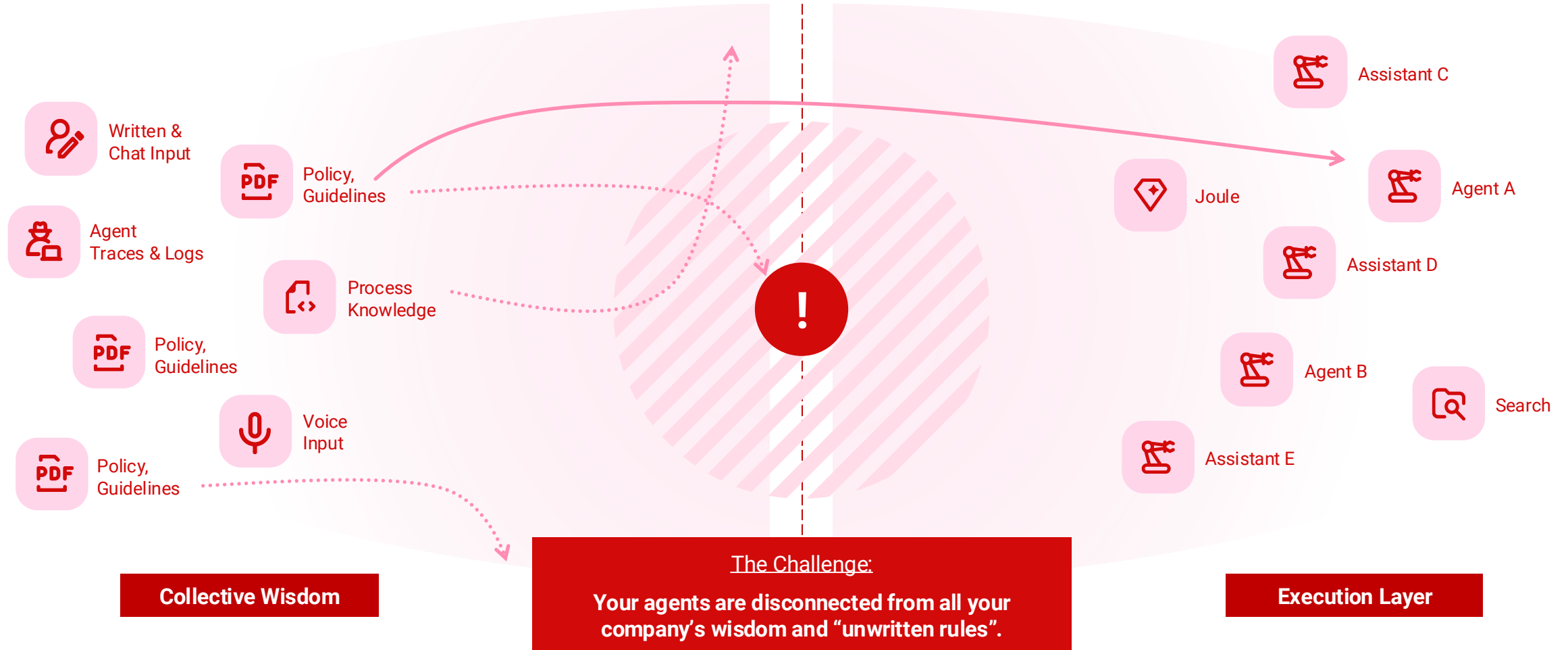


100%



Disconnected Context & Knowledge

Agents are disconnected from all your company's wisdom and "unwritten rules".

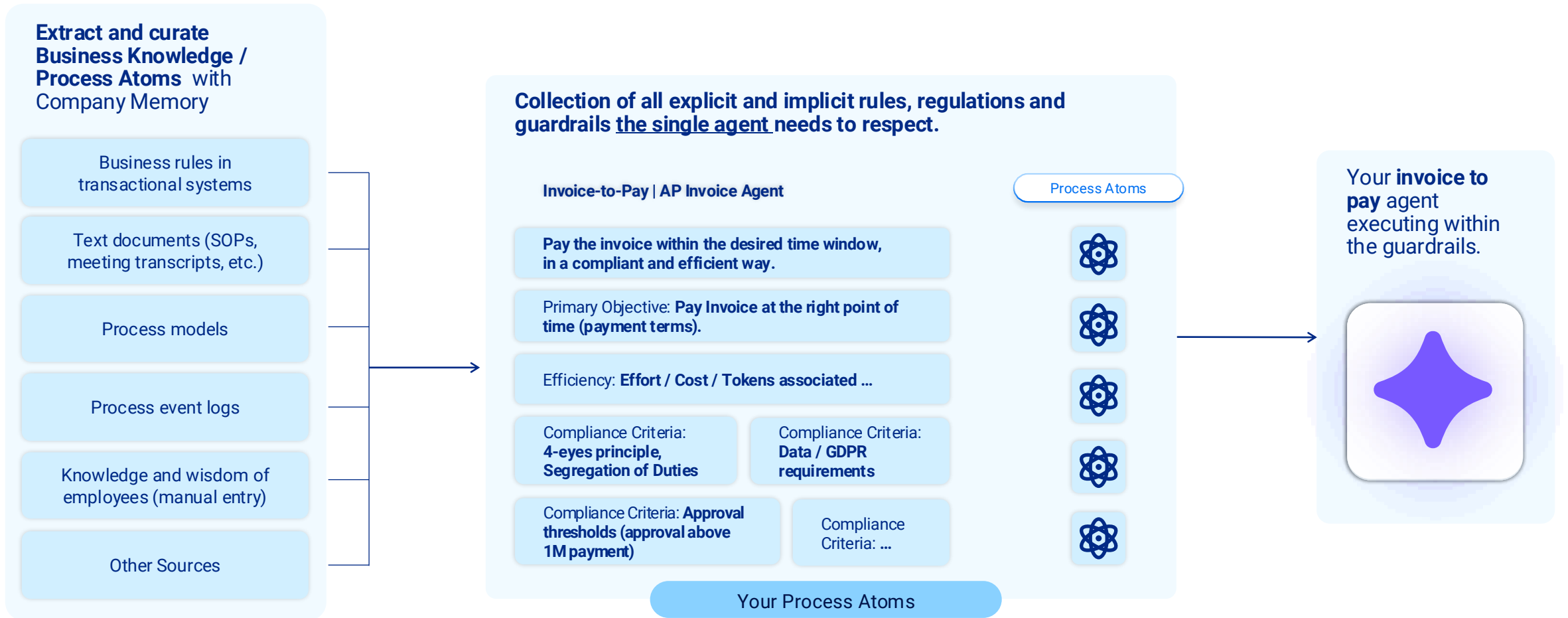


Connecting your execution layer with your collective wisdom.



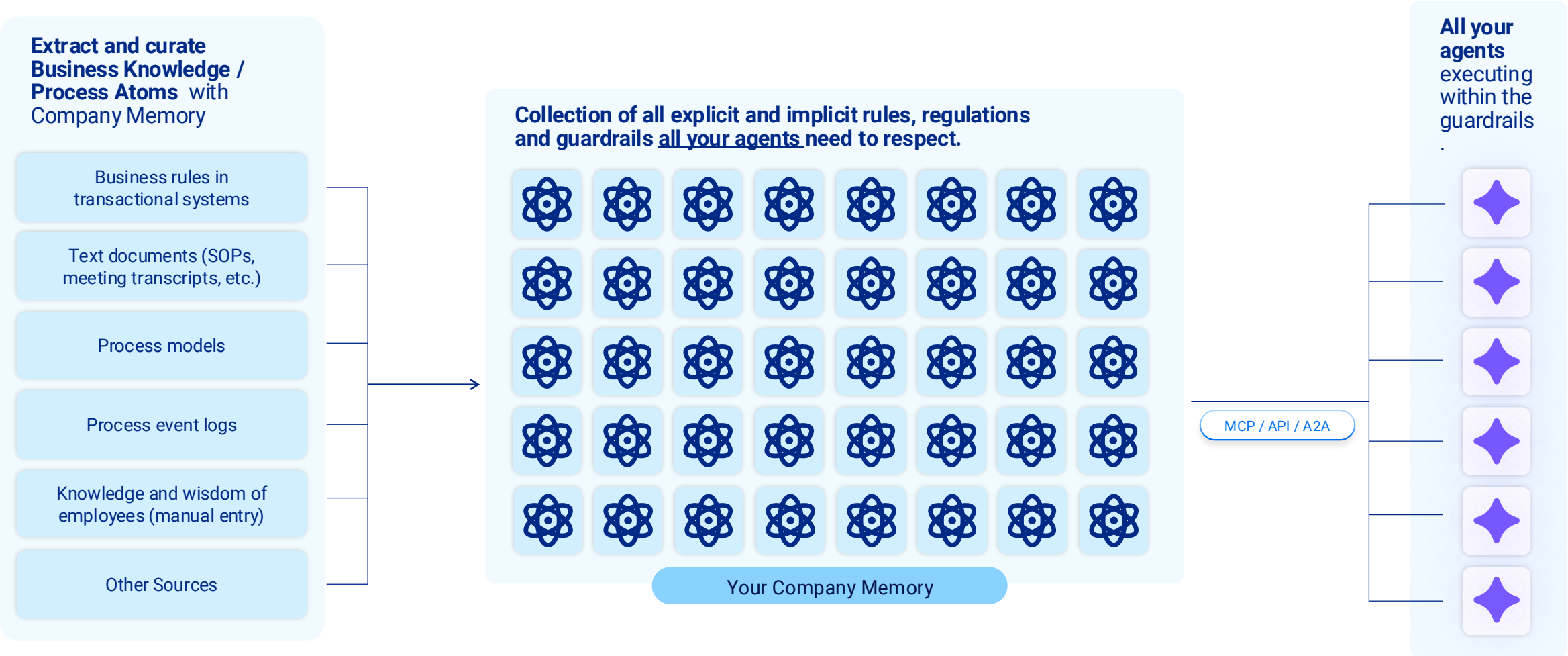
Company Memory

"Execution Rules" for our Accounts Payable Agent (Example)



Company Memory

One enterprise wisdom foundation enabling consistent execution across all agents.



Infuse Context to Agent

Company Memory as the specific guardrails and business context for your Agent.

Infuse Context to Agent

- ✓ Guardrails defined and governed
- ✓ Guardrails provided to Agents
- ✓ Agent using guardrails during runtime

The screenshot displays a web application interface. On the left is a sidebar with navigation links: Home, Contribute, Atoms, Change Requests, Chat, Sources, and Usage. The main content area is titled 'All Change Requests' and shows an 'Analysis: 5 atoms #6' by 'theiss.heiker@sap.com'. A comment from 'theiss.heiker@sap.com' states 'Atoms extracted from source analysis.' Below this, a list of 5 atoms is shown, each with a title and an 'active' status: 'Banana sourcing restricted exclusively to Brazilian suppliers', 'Procurement personnel obligations for banana origin verification and documentation', 'Exception approval process for non-Brazilian banana sourcing', 'Regular audits and non-compliance consequences for banana sourcing policy', and 'Role assignments and responsibilities for banana sourcing policy governance'. On the right, a document titled 'Banana Procurement Policy.pdf' is displayed, showing sections for Purpose, Scope, Policy Statement, and Rationale. A blue bar at the bottom of the interface is labeled 'Company Memory'.

Transforms scattered organizational knowledge into a living, governable reasoning layer that AI agents and humans use to make consistent decisions at scale.

User Material: [User Guide](#)

ID

Create



Hi! What is your ask to Company Memory today?

Ask Company Memory anything to explore your organization's ways of working.

Ask anything about your company's rules and policies...



AI-generated content — verify findings. Do not share personal or confidential data.

What is an atom?

Use the chat to learn about atoms and what you can do with them.

What do I need to keep in mind from our travel policy for my next business trip?

A supplier is offering a discount for orders placed via phone — how should I react?

What steps do I need to follow to make an urgent purchase compliantly?

A new way of process analysis

© 2026 SAP SE or an SAP affiliate company. All rights reserved. See Legal Notice on www.sap.com/legal-notice for use terms, disclaimers, disclosures, or restrictions related to this material.

SAP Bring out your best.

Process insights where it matters, without borders

From traditional "click and type", through SAP owned engagement layers, towards agnostic agentic engagement



Bring your own engagement



Traditional UI

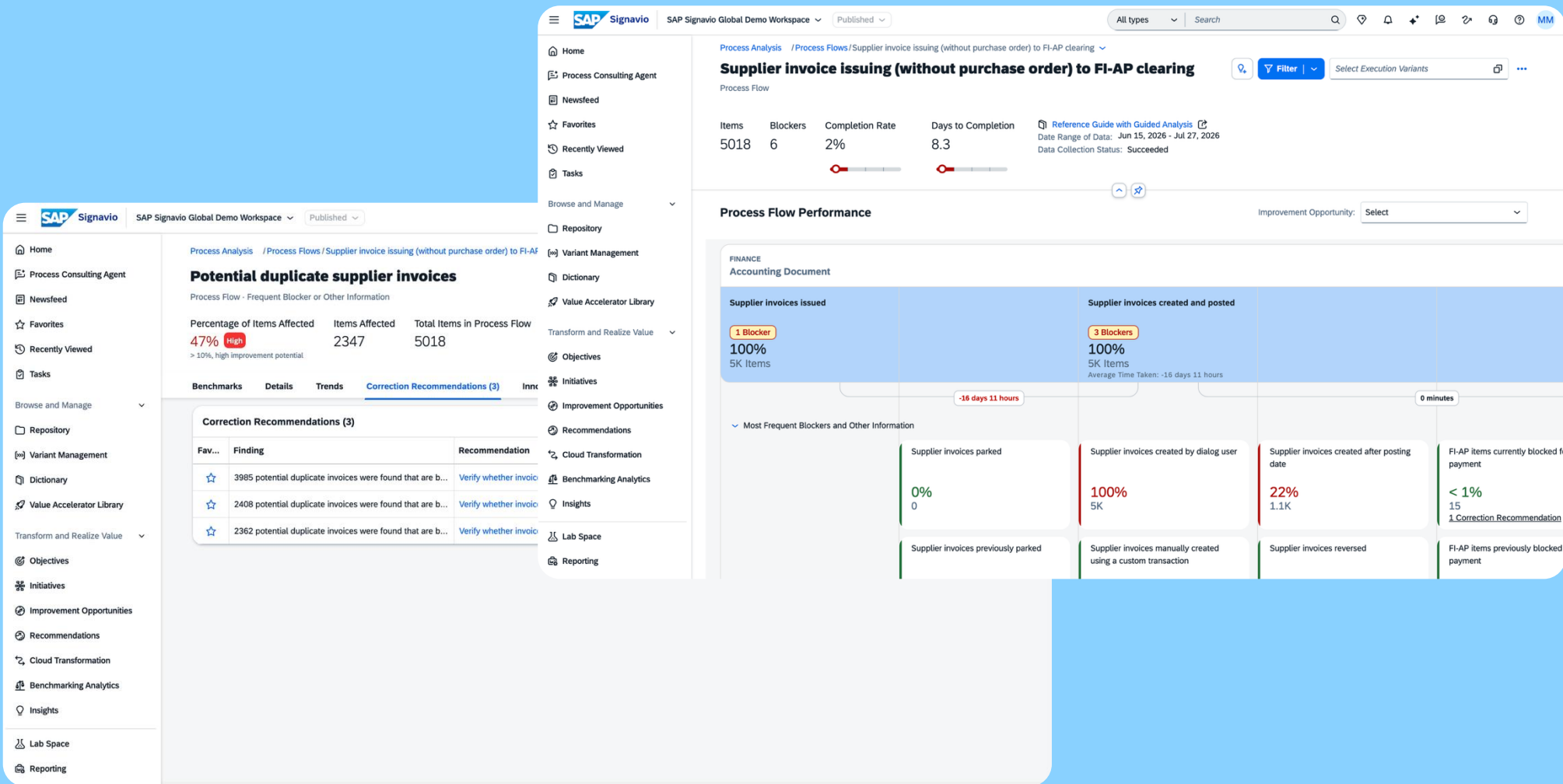


Process Consulting Agent

Joule Work

Evolution Towards Anywhere Process Intelligence

Process analysis and mining: Now also with Process Insights out of the box for SAP S/4 HANA public cloud





Hi Andre,

Explore your process performance, in plain language.

Ask a question about your process performance

 SAP S/4HANA QM7:910 ▾



AI-generated content - verify findings. Do not share personal data.

What can you help me with?

Help me find relevant analyses for my processes

I want to benchmark my processes

What's impacting my process performance?

Where should I focus to improve?

Extensions in Q3/Q4

- Natural language mining queries (Signal ad hoc queries)
- Hypothesis-Driven Analysis
- Transformation & Value Management
- Conversational Process Modeling
- Integration into Joule Studio 2.0 for intent-based development

Session

Changes

New session

...

Your task is to create an OBDM process data pipeline named CAB O2C using the source data named [SAP - Demo in a Box] Order-to-Cash. You must not reuse existing artefacts such as other pipelines for reference. You must configure the pipeline properly and completely.

Thinking

Ask anything...

+

Build Claude Sonnet

CAB O2C | Process Intelligence

editor.signavio.com/p/hub/data-management/pipelines?content-lang=en_us

SAP Signavio

Pre Release Production 2026

Published

Data Management

Data Pipelines

Source Data Sets

Connections

On-Premises Extractors

Data Management Directory

Create

Import

1

1

1

1

No results found

Try adjusting your search or filter to find what you're looking for

Reset Filters

Surface and offload all SAP Signavio Process Intelligence data modeling tasks to agents with humans in the loop supervising

***“We are able to mine IBM
Maximo within a single day
– this is groundbreaking”***

German Automotive Manufacturer

***“We are able to build an
entire event log in 4h
instead of 10-12 days of
effort”***

*SAP Signavio go-go-market in a POC with a multinational
brewing company*

October Release 2026

Data Modeling Agent

Fully automate the creation of ready-to-mine Object-Centric Data Models, out of the raw data, on any custom dataset.

“The outcome is genuinely impressive. When you also consider how quickly we built the entire data pipeline and three dashboards, the achievement becomes even more remarkable. I particularly appreciate that the knowledge and experience from our existing IBM Maximo system were incorporated directly into the implementation.”

“Wow, I got the project up and running in 4 hours. It would have normally taken me 12 days.”

Beta

Create a new object-centric data pipeline and process named "Joule O2C demo" for the source data "[SAP - Demo in a Box] Order-to-Cash". Analyze the data to understand all its relevant business objects, mapping at header level objects and line item level objects as separate ones. Then configure the pipeline properly and completely.

The "Joule O2C demo" object-centric pipeline is fully configured and its first run is in the final upload/load phase (35/36 transformations complete). Here is a complete summary of everything built.

What was created

Analysis Configuration & Data Model

Item	Value
Process (Analysis Config)	Joule O2C demo
Data Model	Joule O2C demo (OBJECT_CENTRIC)
Source Integration	[SAP - Demo in a Box] Order-to-Cash
Template	INGESTION_API_OBJECT_CENTRIC_BLANK

Data Model Design: 6 Business Objects

The data was analyzed across 53 source tables. Following your requirement to map header and line item levels separately, the pipeline uses:

Header-level objects (one instance per document)

Business Object	Key Field	Source Table	Events
Sales Order	SalesOrderId	VBAK	Create Sales Order
Delivery	DeliveryId	LIKP	Create Delivery, Post Goods Issue
Billing Document	BillingDocumentId	VBRK	Create Billing Document

Line item-level objects (one instance per document line)

Business Object	Key Fields	Source View	Events
Sales Order Item	SalesOrderId + SalesOrderItemId	vbap_vbak	Create Sales Order Item
Delivery Item	DeliveryId + DeliveryItemId	lips_likp	Create Delivery Item
Billing Item	BillingDocumentId + BillingDocumentItemId	trbp_vbrk	Create Billing Item

3 Data Views created

Message Joule...

+ 32 Default Signavio

A new way of Agent Excellence

© 2026 SAP SE or an SAP affiliate company. All rights reserved. See Legal Notice on www.sap.com/legal-notice for use terms, disclaimers, disclosures, or restrictions related to this material.

SAP Bring out your best.

AI Agent Mining

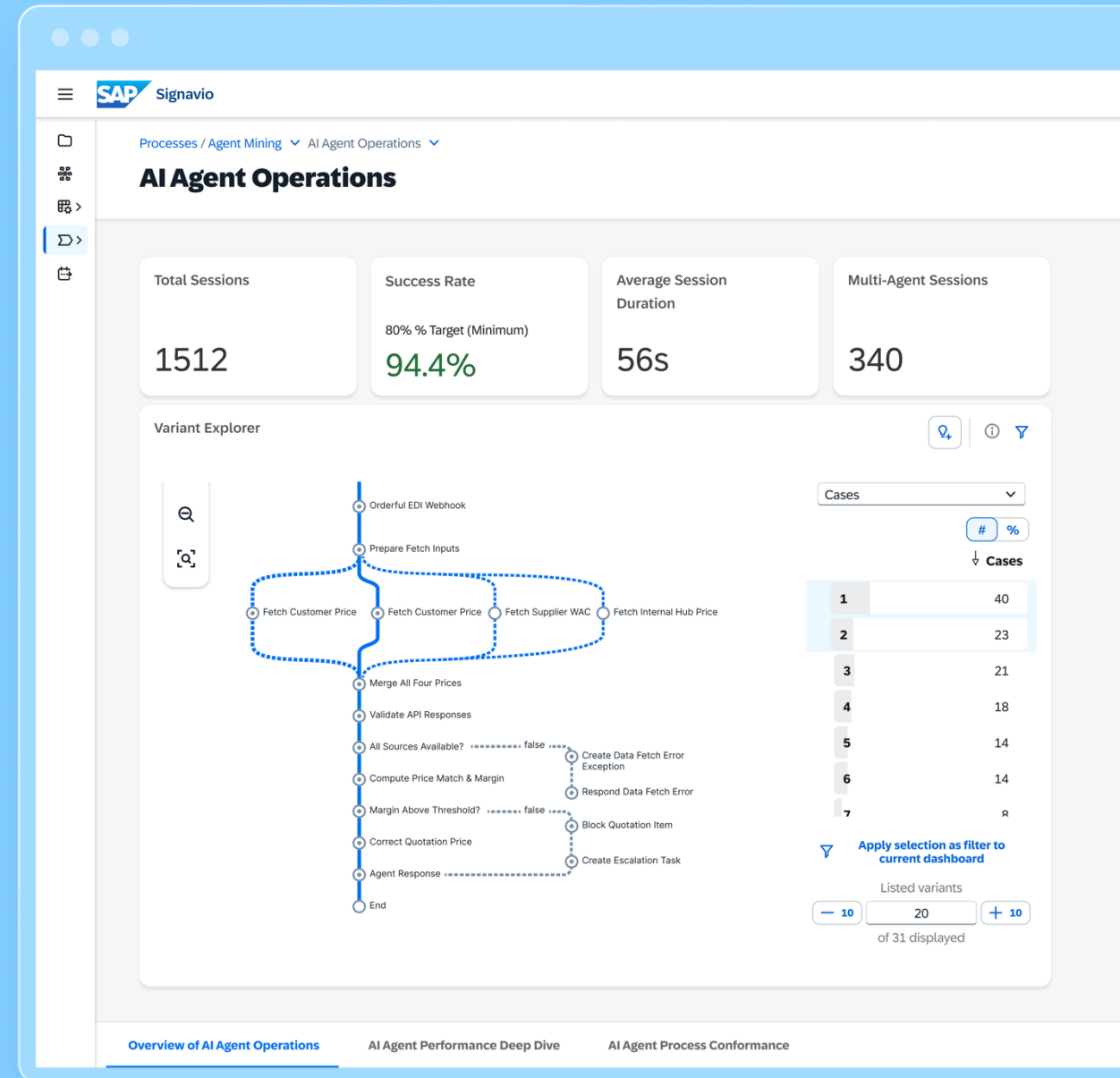
Key Customer Outcomes:

- Gain visibility into how AI agents operate, make decisions, and affect outcomes
- Detect quality, compliance, performance, and operational risks early prior to material impact
- Measure and demonstrate the business value and ROI generated by AI agents
- Establish enterprise-grade governance and control over AI execution

For SAP standard and custom-built agents

Works natively with Joule Studio & Agent Hub

Works also with non-SAP agents (n8n, Microsoft, Uipath etc.)



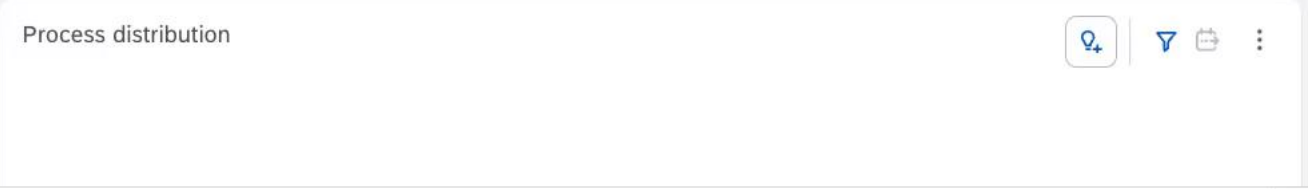
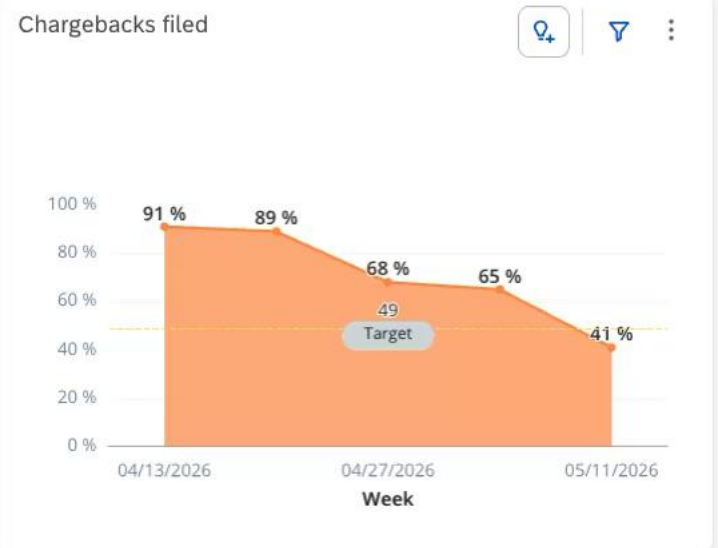
Control Agentic Execution

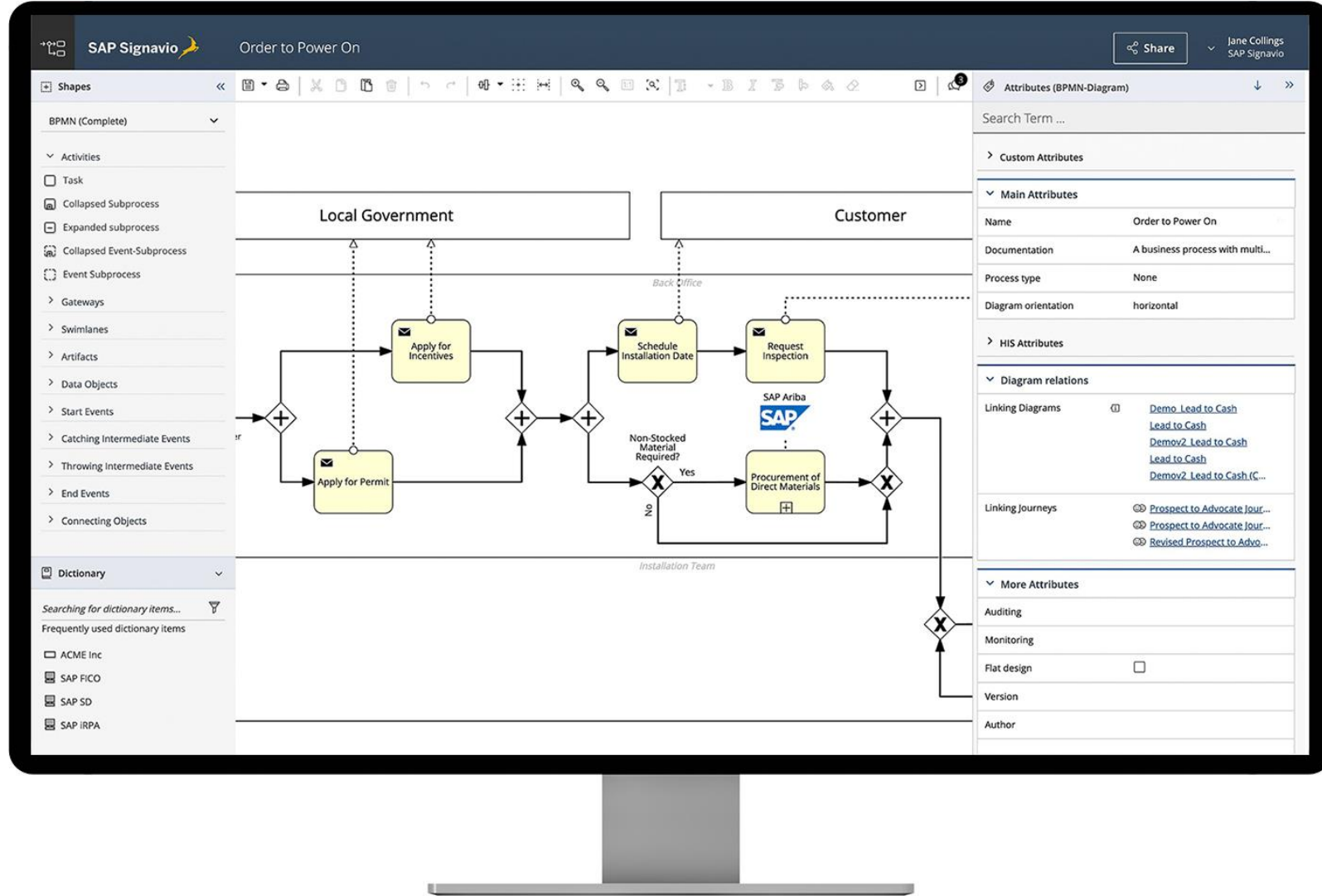
Unsaved

Save

Create Widget

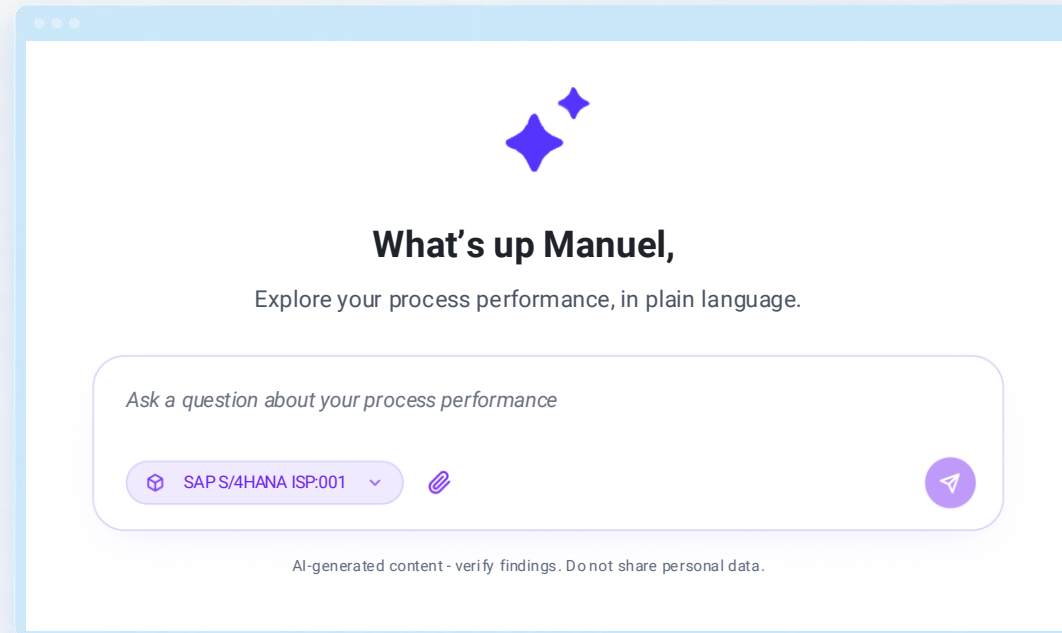
Auto-insights







SAP Signavio in 2026



What open insights do we have for Purchase-to-Pay?

Where should I focus to improve?

Create an initiative to track this transformation

I want to benchmark my processes

Show me the current process model

What are the actual wait times between activities?

What can you help me with?

The one suite for everything Process

The SAP Signavio Process Transformation Suite



Thank you.

© 2026 SAP SE or an SAP affiliate company. All rights reserved. See Legal Notice on www.sap.com/legal-notice for use terms, disclaimers, disclosures, or restrictions related to this material.

SAP Bring out your best.