





**Terry Stahler**Chief Product Officer



Justin Diana
Vice President of
IT and Security



Tim Brewer
Technology Solutions
Manager



Caroline Parker
Client Success for
Al Initiatives

#### What we'll cover today

Where can agentic Al create real value in manufacturing today?

How can we do this safely in and around SAP?

What are practical first moves a B2B manufacturer can make in the next 90 days?

## Who should lean in today?



Of SAP-Centric manufacturers

## The reality of many manufacturing teams today

Sales reps are spending 64% of their time on non-selling tasks.

2024 Salesforce State of Selling Report

Customer service is forced to swivel between SAP, email, and spreadsheets to fix preventable order errors.

Operations leadership hears "use AI", but can't connect it to OTIF, fill rate, margin, or DSO.

**Bottom Line:** These frictions quietly erode fulfillment performance, margins, and customer trust.

## Ever read the headlines and feel totally behind?

## Bosch invests \$2.7B in Al as a growth driver



BOSCH

Source: Bosch

**NVIDIA** and AWS **Expand Full-Stack** Partnership DVIDIA

Source: Nvidia

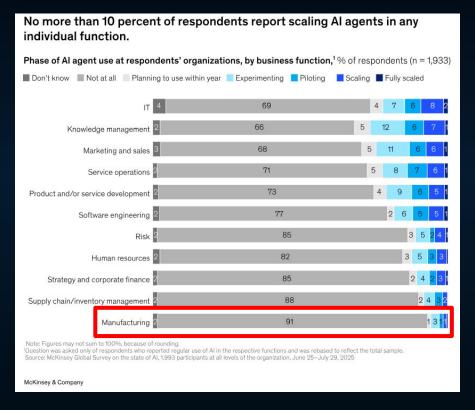
OpenAl Unveils Plans for Seemingly Limitless Expansion of Computing Source: WSJ Power

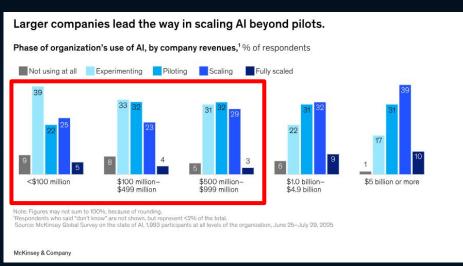


Don't feel bad. You are not that far behind your peers ... but let's close the gap.



## Most manufacturers are still in pilots; fewer than 10% have scaled Al agents in any function. This is a window to leapfrog, not a reason to panic





## So why start now?

#### + AI Features within Purchased Solutions +

Type of Solution Purchased	Purchased Included Al Features	Al Features Expected (Significant or Moderate Functionality)	Al Features Required (Mandated or Strongly Encouraged)	Al Features <b>Not</b> Expected	Al Features <b>Not</b> Wanted
Hardware	84%	75%	60%	14%	9%
Heavy Equipment/ Machinery	67%	55%	46%	23%	6%
Services	92%	87%	63%	3%	2%
Software	93%	88%	67%	4%	2%
Fraction of Total Sample	89%	83%	62%	7%	4%

Being behind is not the risk. Standing still is.

#### Here is what meeting those expectations can look like



#### **Factory Floor Operations**

**Predictive maintenance:** Al detects equipment failures before they happen

**Automated quality inspection**: Computer vision spots defects in real-time



#### **Supply Chain & Inventory**

**Demand forecasting**: Al aligns production with real demand, cuts excess inventory

**Supply chain risk & logistics**: Anticipate disruptions, optimize routes and safety stock



#### **Product & Engineering**

**Design acceleration:** Al speeds up simulation and design-of-experiments

**Physical AI & robotics:** Smart equipment that learns and adapts to variation



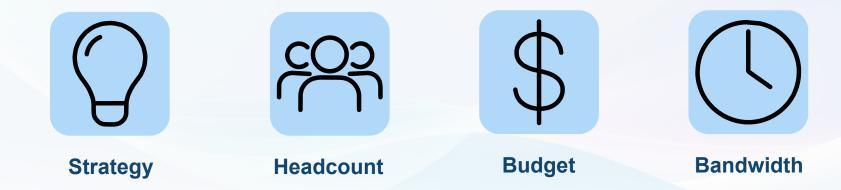
#### **Commercial & Strategy**

**Pricing & margin analytics**: Detect where margin is leaking, recommend dynamic pricing

**GenAl decision support:** Natural language copilots for operations and planning



### So what's standing in the way... really?



These barriers are real. They just aren't reasons to wait anymore.



## Let's align on some definitions. What is an Al Agent?



#### Listens

Pulls in signals, data, and context from people and systems.



#### **Thinks**

Processes data, weighs options, and chooses the next best step.



#### **Executes**

Acts by leveraging internal or external tools and systems.

#### Generative AI vs Agentic AI?

# How can I help, Caroline? + Ask anything

- Create single outputs like text or images
- Human input needed for detailed instructions



- Achieves complex, multi step objectives
- Low human input, defines strategies and uses external tools

### Our stack for building tools manufacturers can run











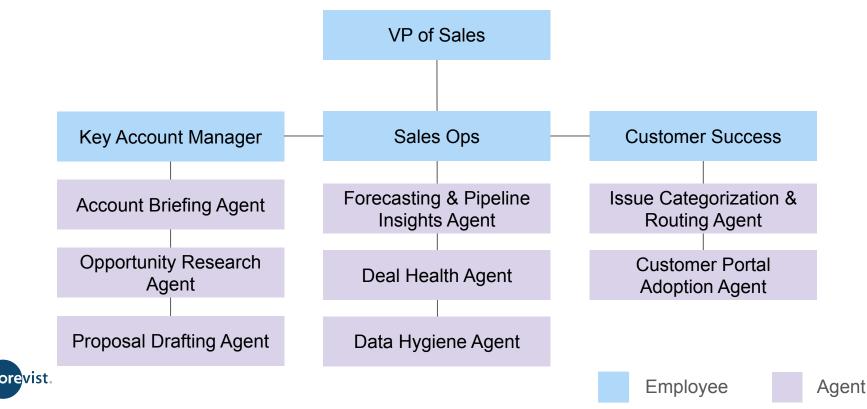


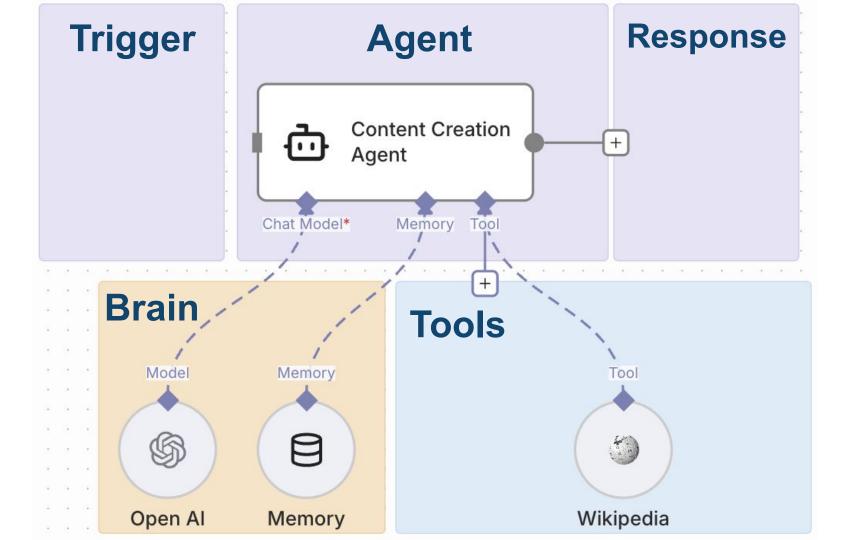
## The two groups agents create value for:



## Easiest place to start? Enable your team to build their own agents

Sample AI-Enabled Sales Department of a Manufacturer







## Enough theory. Let's show what we've built.

#### "We're happy to Look Familiar? This is the future. announce that n8n is partnering with SAP..." 000 8 Personal / SAP Demo + Add tag November 4th, 2025 Source: n8n + Executions Evaluations Q Û 9 ZΞ. Agent - Supply SAP 8 Chain Optimization Joule Trigger SAP S/4HANA Respond to Joule Cloud Public Edition Update supply Model 緣 SAP SAP 0 Short-Term SAP GenerativeAI SAP S/4HANA Get Inventory 0 Get all sales orders Hub Memory Level Ö, A Execute workflow Logs

#### Where does SAP Joule fit in?

Think of SAP Joule as a copilot for interacting with SAP data in natural language



- Conversational access to SAP transactions and reports
- Embedded directly inside SAP workflows
- Inherits SAP's enterprise security and governance model

#### Other considerations

- Designed for SAP cloud-first environments
- Scope and cost vary based on licensing and usage - speak with your SAP AE for more information



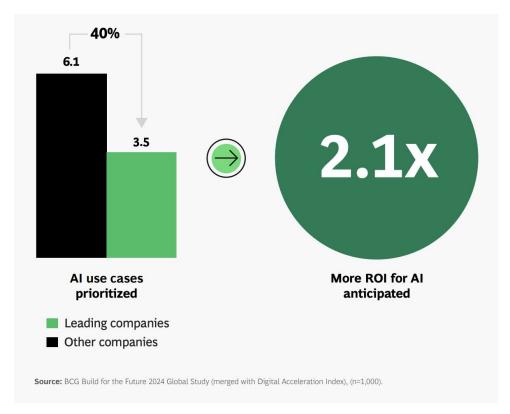
When should I use SAP Joule vs build custom agents?



# Switching gears... let's talk about agents that create value for your customers

## You have a million suggested use cases. How do you prioritize?

- Identify the KPIs that move the needle for your business
- 2) Talk to your customers
- 3) Streamline use cases





## Our 1-2-3 framework for Customer-Facing Al

**#1 Core System** 

## Slick, Robust eCommerce System

- Direct, real-time SAP ERP Integration
- C Enterprise security
- High-speed performance
- Ready-to-use features
- Flexible storefronts

**#2 KPIs that drive success** 



#3 Al Agents that supercharge results









... and more

## So what might this look like for a chemical manufacturer?



- **Demand Signal Agent:**

Learns your usage patterns and anticipates future demand

- 60
- **Throughput Acceleration Agent**

Optimizes routing, scheduling, and material allocation to move each order from receipt to shipment with minimal delay.

- **Compliance Guardian**

Checks every order for proper SDS, labeling, hazard class, and transport documentation before shipment.





# 58% of buyers now engage earlier to understand how vendors are implementing Al

## **Guardrails that Unlock Al Commerce in SAP**

- Al Agent are coming to your digital front door
- Your SAP system is still the system of truth
- Goal: more revenue + better customer experience, not more red tape

How do we make the safe path the fast path?



## Where Al Actually Changes Your Attack Surface



#### At the Edge

Customer-facing touchpoints

- Customer portals
- eCommerce platforms
- Email
- PDFs
- RFPs



#### In Motion

Data transfer & integration layers

- SAP BTP
- SAP Integration Suite / CPI
- Cloud Connector
- APIs



#### **In Memory**

Persistent data & processing history

- System logs
- Prompt history
- Vector stores
- Chat transcripts



Al doesn't just touch data. It moves data in new ways

## S-A-P-E-R Guardrails for Al Commerce (1/2)

#### **S** - Scope & Segregation

- Start narrow: specific tables/fields, specific use cases
- Expose SAP via BTP + Cloud Connector, not open DB holes
- Keep early Al use cases read-mostly and non-production first

#### A - Access & Identity

- No shared SAP\_ALL bots
- Separate service principals/technical users for Al Agents
- Turn on Read Access Logging (RAL) for sensitive fields (pricing, bank data, PII, etc.)

## S-A-P-E-R Guardrails for Al Commerce (2/2)

#### P - Policy in Prompts & Pipeline

- Allowlist actions for agents:
  - o fropose an order" / "draft a quote"
- Use <u>OWASP LLM Top 10</u> as your checklist for prompt injection, excessive agency and insecure output handling.

#### **E** - Egress & External Models

- Decide where models run (e.g. <u>BTP</u>, <u>hyperscaler</u>, <u>cloud vendor</u>)
- Confirm data residency & training behavior per provider
- Keep SAP as system of record; AI sees just enough via APIs

#### R - Runtime Monitoring & Response

- Log which agent, which SAP object, for which customer
- Alerts for unusual patterns (discounts, credit, bank data)
- A clear kill-switch for Al-driven commerce flows

### Lanes, Not Roadblocks: Governing AI in SAP Commerce



#### **Green Lane**

**Experiment Freely** 

- Read-only SAP data
- For small, internal, or pilot customer audience
- Use cases: Search, Q&A,
   recommendations, "explain
   my \_\_\_\_"



#### **Yellow Lane**

Controlled Impact

- Al can draft quotes or orders; humans approve
- Al can propose discounts within bounded rules
- Logged and reviewed quarterly



#### **Red Lane**

**High-Impact Changes** 

- Vendor bank details, credit limits, safety-critical orders
- Al may assist analysis; No autonomous changes
- Full change control & dual-control approvals

#### 60-second Health Check for Al in SAP Commerce

- 1. Can we trace which AI or Integration touch which SAP document for a customer last month?
- 2. Do Al agents and bots use their own SAP roles, separate from humans?
- 3. Are Al-driven actions on our portals limited to an allowlisted set?
- 4. Do we know where portal chat logs and prompts live, and how long we keep them?
- 5. If an AI feature started doing something strange with pricing or discounts, who gets the first alert?

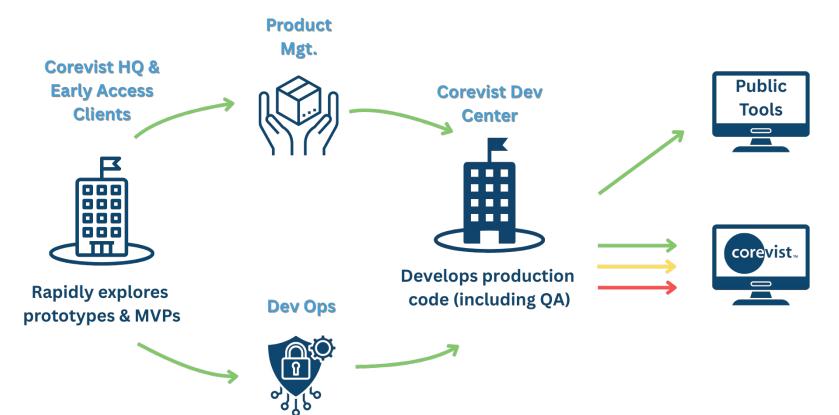




## Putting the pieces together



The agent development process from idea to production

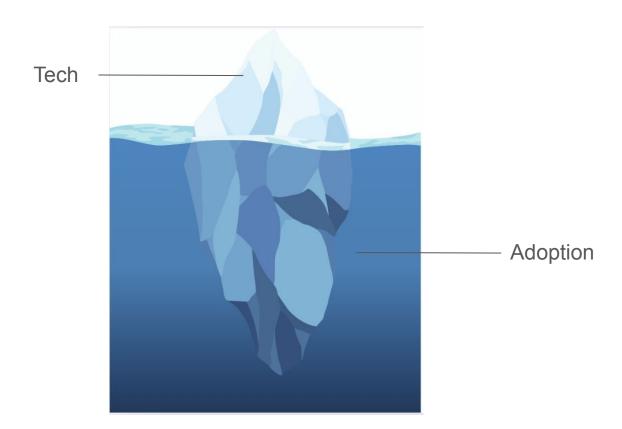




## Now for our second demo. Meet Polaris.



## Success goes beyond just the tech... need to create a culture that encourages experimentation





## Thank you

How to get in touch, for your custom agent or other inquiries

Email: <a href="mailto:tim.brewer@corevist.com">tim.brewer@corevist.com</a>

Fill out our form with the QR code →







### Resources

The state of Al in 2025: Agents, innovation, and transformation

McKinsey & Company · Nov, 2025

2025 Smart Manufacturing and Operations Survey: Navigating challenges to implementation

Deloitte · May, 2025

**2025 Buyer Experience Report** 

6sense · Nov, 2025

**Al Automation with n8n Youtube Series** 

**SAP Joule Documentation** 

