

AI in Invoice Processing

What the different types of AI can do—and how they specifically ease the daily workload in SAP Finance & Accounting.



Housekeeping



Recording of all sessions will be provided to all registered attendees via email following the event



We'll answer your questions in our Q&A session at the end of each session



Duration:
30 – 45 Min.

Meet your Speaker



Hanna Ballantine

Solutions Engineer, xSuite North America



Hanna is a Solutions Engineer at xSuite, specializing in product demonstration and technical discovery. In her role, Hanna focuses on understanding customer needs and delivering innovative solutions that address key business challenges.

A modern office interior featuring a glass staircase with a white sculpture of falling papers. The space is bright and open, with large windows and a high ceiling. The text 'xSuite' is overlaid on the left side of the image.

xSuite

We are a leading software provider
for automated business processes in
SAP.

That's what sets us apart



Professional expertise

We build on 30 years of experience in SAP software development.

Holistic approach

All software components and services for the solution come from a single source.

Future-proof technology

Our software combines innovative AI models with flexible hybrid cloud architectures.

Who is xSuite?

Each year, 300,000 users process over 80 million documents in more than 60 countries with our software

 **30+** years AP Automation

 **300** employees in 8 countries

 **1,600+** customers



SAP Certified Solution



SAP ECC



SAP S/4HANA



SAP S/4HANA Cloud, Extended edition



SAP BTP Certified Clean Core Solution



xSuite Best Practice Workflows
aligned to SAP Activate

Our Solutions for You

1. Your current state



Analysis

2. Our product portfolio



Invoice



E-Invoice



BTP



Procurement



Orders



Archive



Artificial Intelligence



Optimized and certified for all SAP S/4HANA models

3. The collaboration



Your benefits



The project

> Business Partner Portal

xSuite

Why Invoice Processing Is an Ideal Field for AI

01

Many documents

High volume, recurring structures

02

Many variations

PDF, scan, email, XML, attachments,
free text

03

Many rules

SAP master data, tolerances,
approvals, compliance

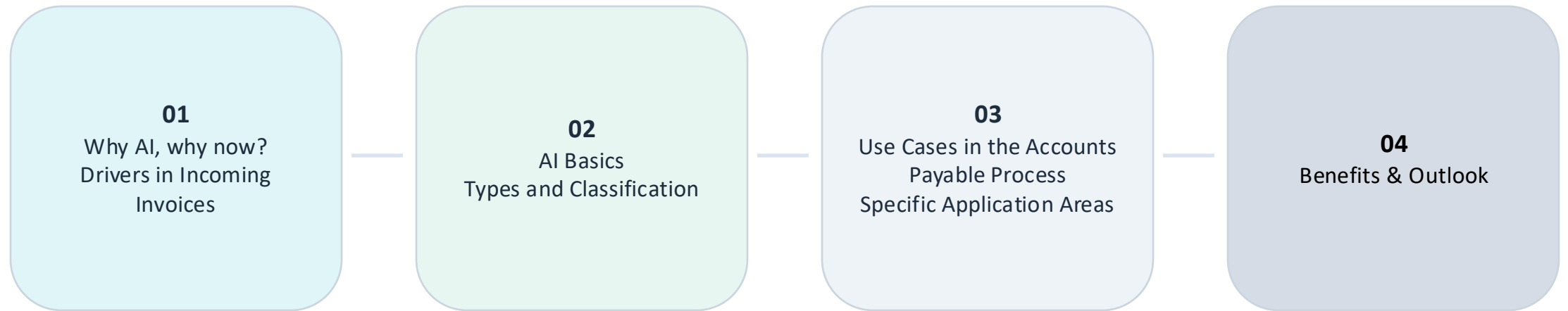
04

Many exceptions

Deviations, missing goods receipts,
clarification cases

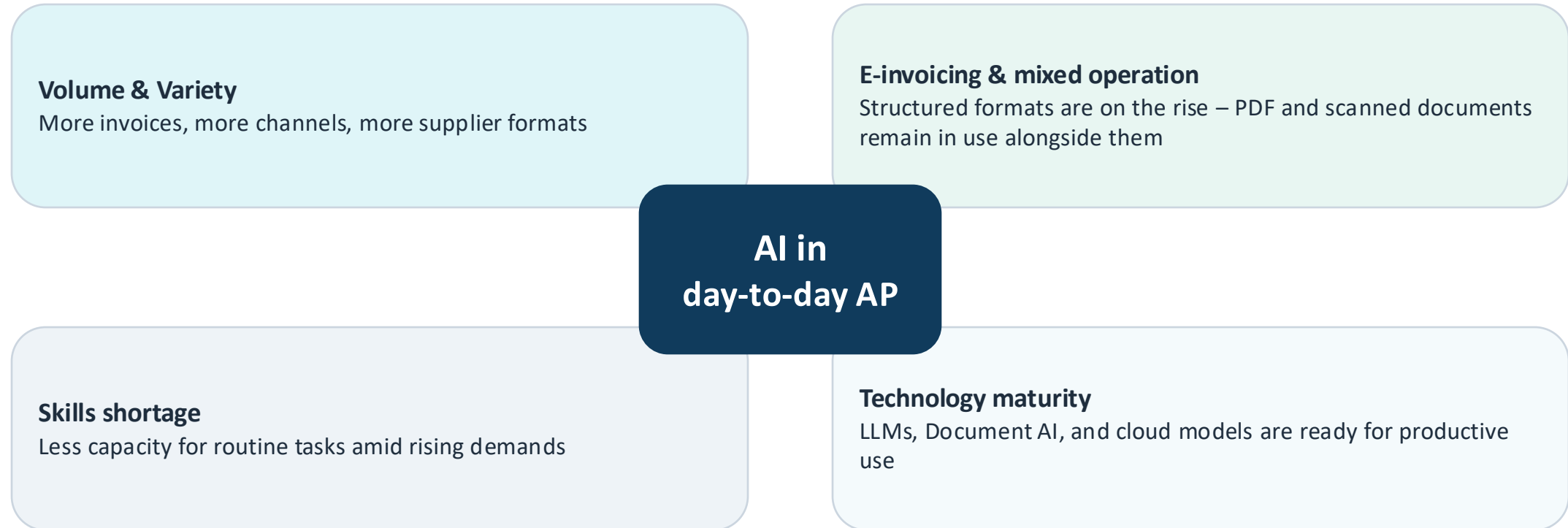
AI truly demonstrates its value where high standardization meets real-world process exceptions.

Agenda



Why AI Is Relevant Right Now

Four trends are converging simultaneously



What is AI?

Not just a buzzword, but a toolkit for patterns, language, predictions, and decisions

AI = systems that recognize patterns, draw conclusions, and support decision-making.

Traditional software
follows fixed rules
same input = same result

AI systems
learn from data
provide suggestions with probabilities

Human judgment
evaluates context
takes responsibility in exceptional cases



1956
Term AI

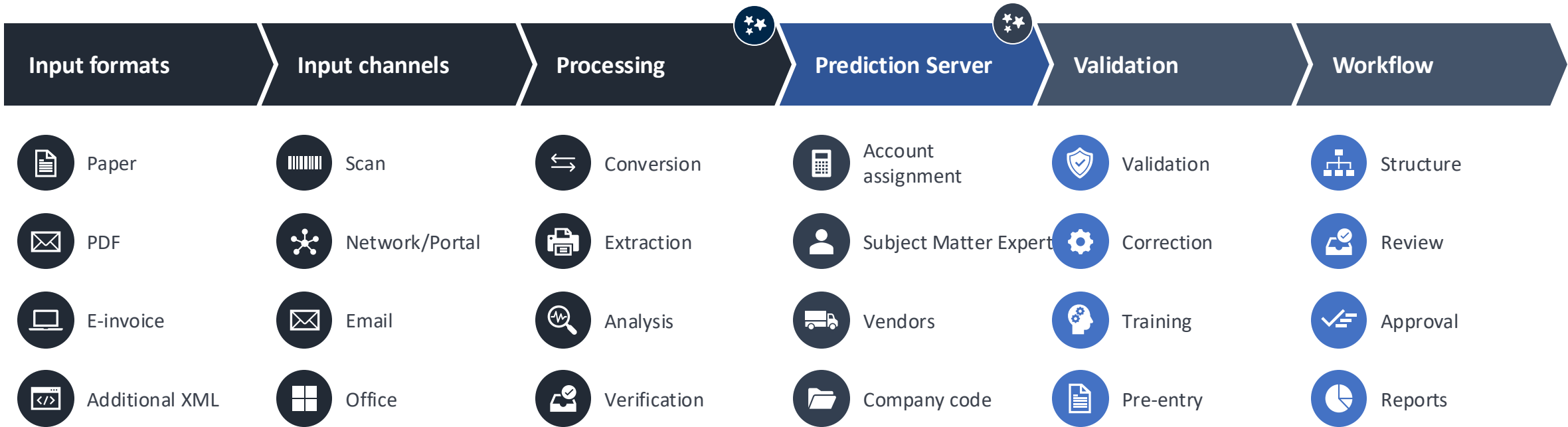


2012
Deep learning



2022+
LLM boom

The AP Process as a Roadmap



Understanding Documents

- OCR
- Document AI
- LLMs

Suggest Decisions

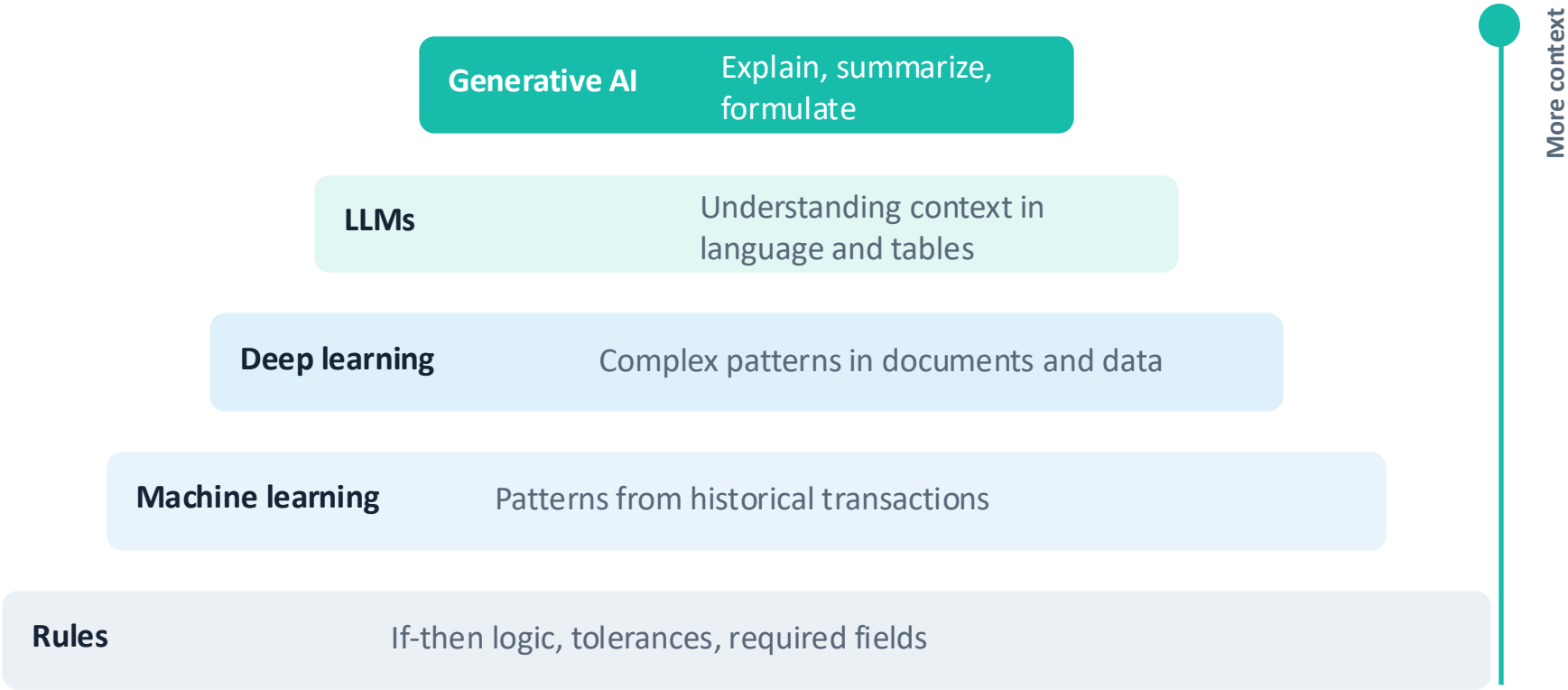
- Account assignment
- Auditor
- Payment terms

Secure the process

- Rules
- SAP Audit
- Audit trail

Not All AI Is Created Equal

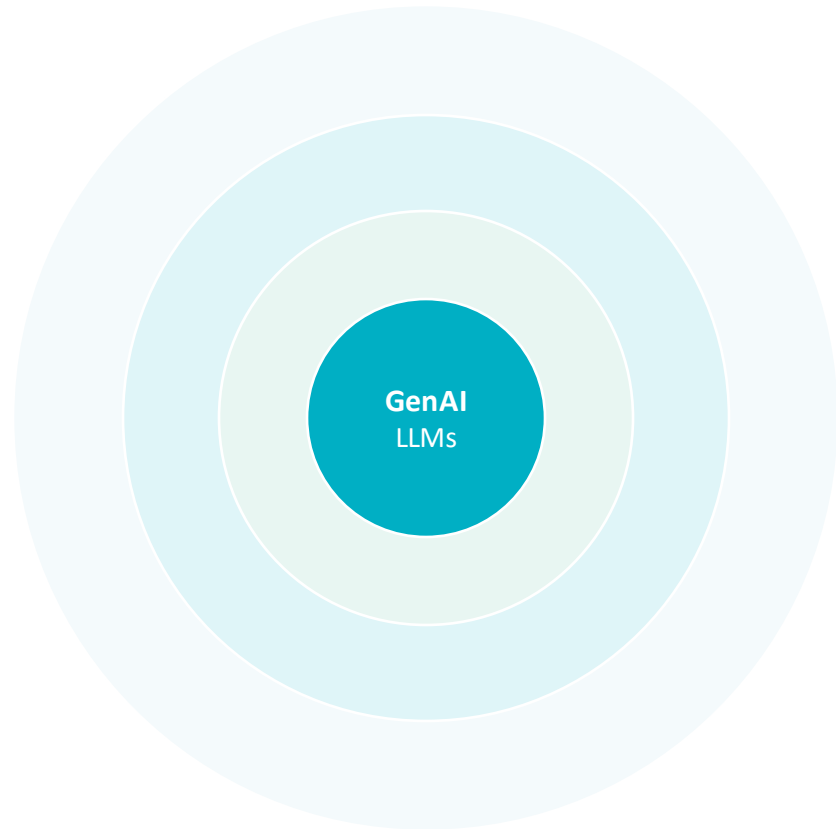
The most powerful solutions combine multiple types of AI with clear process rules.



Motto: Rules ensure the process. AI improves suggestions, understanding, and communication.

The AI Landscape

Generative AI is just one part of the bigger picture



Computer Vision

Recognize document images, layouts, tables, and fields

NLP

Understand language, emails, comments, and intents

Predictive Analytics

Suggest account assignments, reviewers, and anomalies

Agentic AI

Plan and orchestrate multi-step tasks

Rules and machine learning complement each other

Rules ensure rigorous testing; ML helps with diversity and patterns

Rule-based logic

- IF required field is missing → Error
- IF amount is outside tolerance → Check
- IF supplier is blocked → Stop

Hybrid
is ideal

Machine Learning

- Historical records → Patterns
- Similar cases → Suggestion
- Deviating behavior → Note

Practice in the AP process: AI provides suggestions—rules, SAP data, and humans validate the decision.

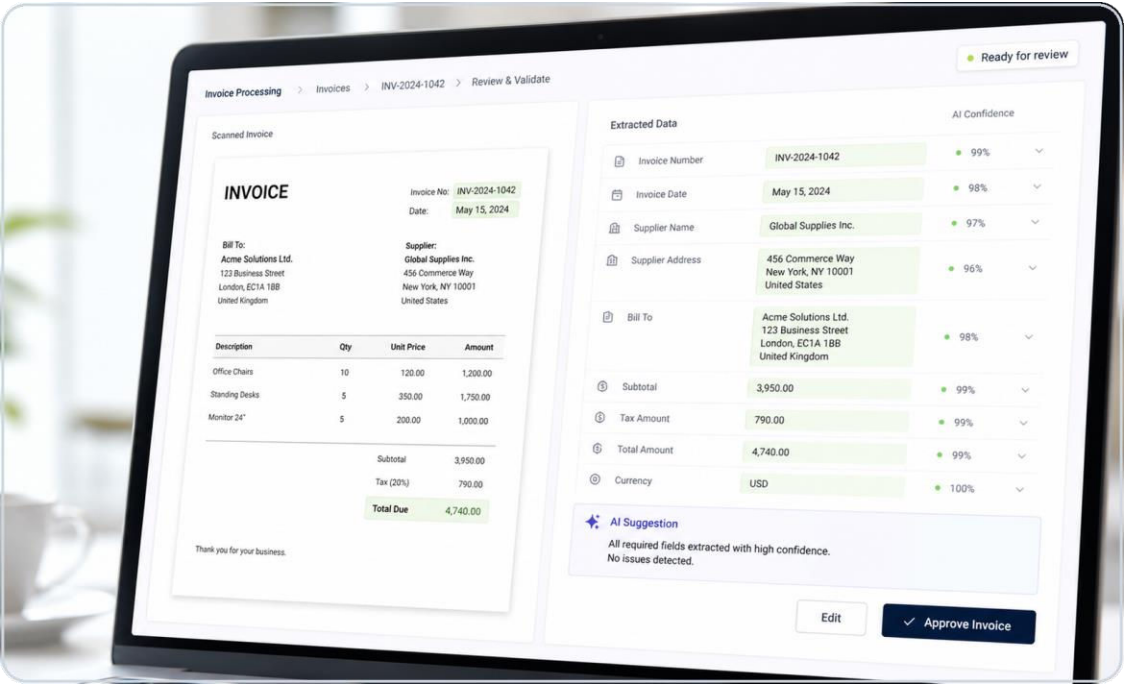
Use Case 1: Document reading

From template-specific OCR to context-based document intelligence

Generation 1 • Template OCR
Fixed layouts
High maintenance effort

Generation 2 • Free-form + ML
Anchor words & image segments
Learning from corrections

Generation 3 • LLM-based
Context and table understanding
Less training



Practical benefits
Fewer manual corrections · Better position data · Shorter setup phases

Understand the context instead of just searching for field names

Traditional: Anchor words & rules

Search for terms such as “Rechnungsnummer,” “Invoice No.,” or “Total Amount.”

Works well with stable layouts – less reliable with variations.

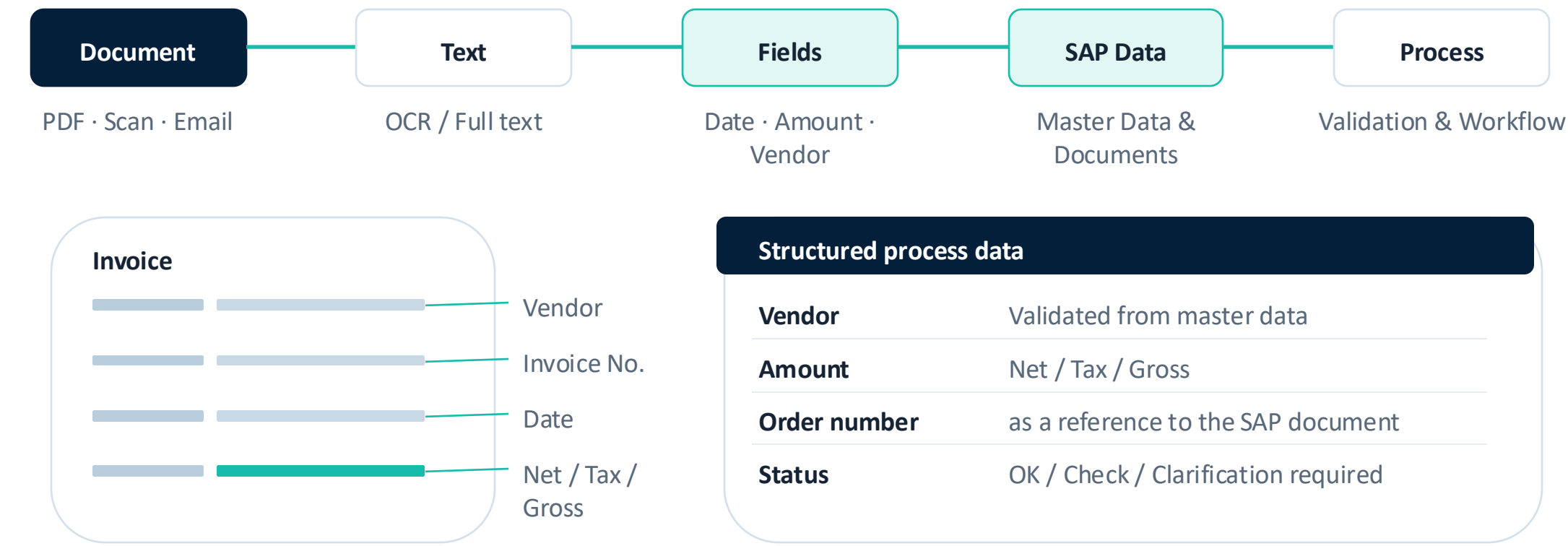


LLM-based: Context & Meaning

Understands the context: Which number is the amount? Which table contains line items? Which reference is relevant to the business?

Stronger with complex layouts.

Documents are converted into structured process data



The added value comes from combining document understanding with SAP validation.

Use Case 2: FI and MM Invoices

AI provides different types of assistance—depending on whether a purchase order exists

FI without a purchase order

- Account assignment suggestions
- Determination of reviewer/cost center
- Similar historical documents for reference

G/L account

Cost center

Auditor

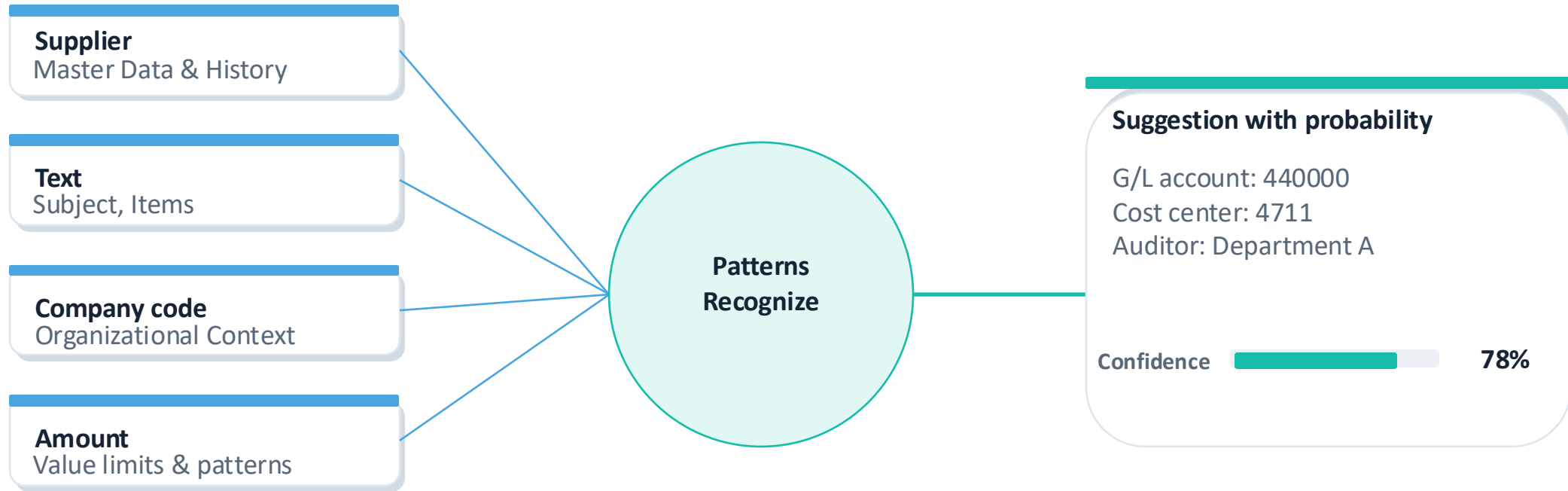
MM with purchase order reference

- Identify purchase order number and item data
- Reconciliation against purchase order and goods receipt
- Trigger specific variances



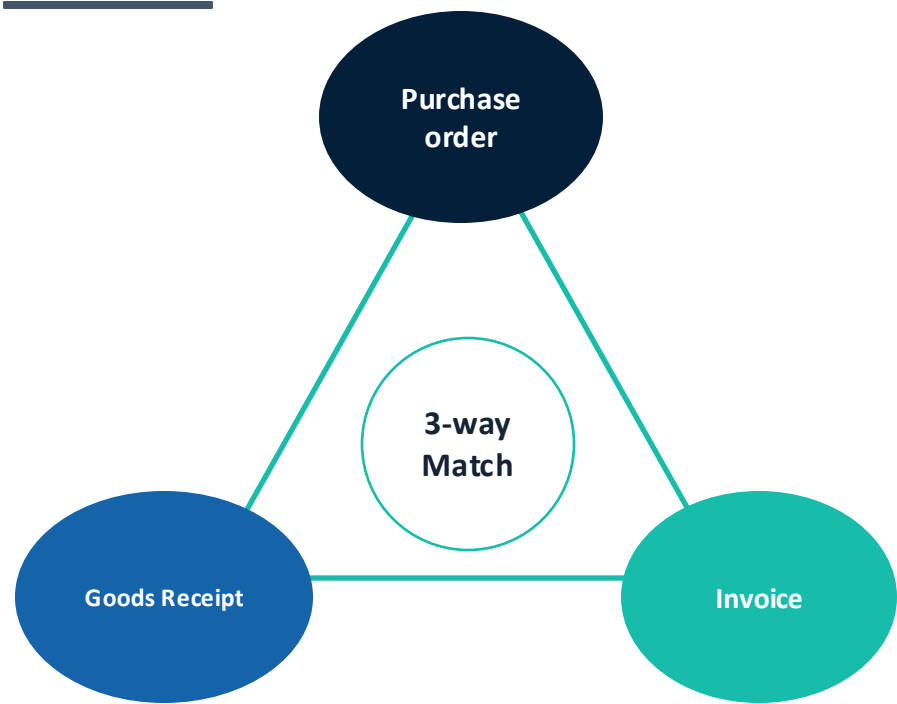
Note: FI needs intelligent suggestions – MM needs precise matching and clean exception handling.

Learning from Past Decisions



Feedback from correction and posting improves future suggestions.

Order-based: AI supports matching and exception handling



Process decision



Goal: Automate standard cases—involve humans only in true exceptions.

Use Case 3: Validation, Compliance, and Anomalies

1 • Formal

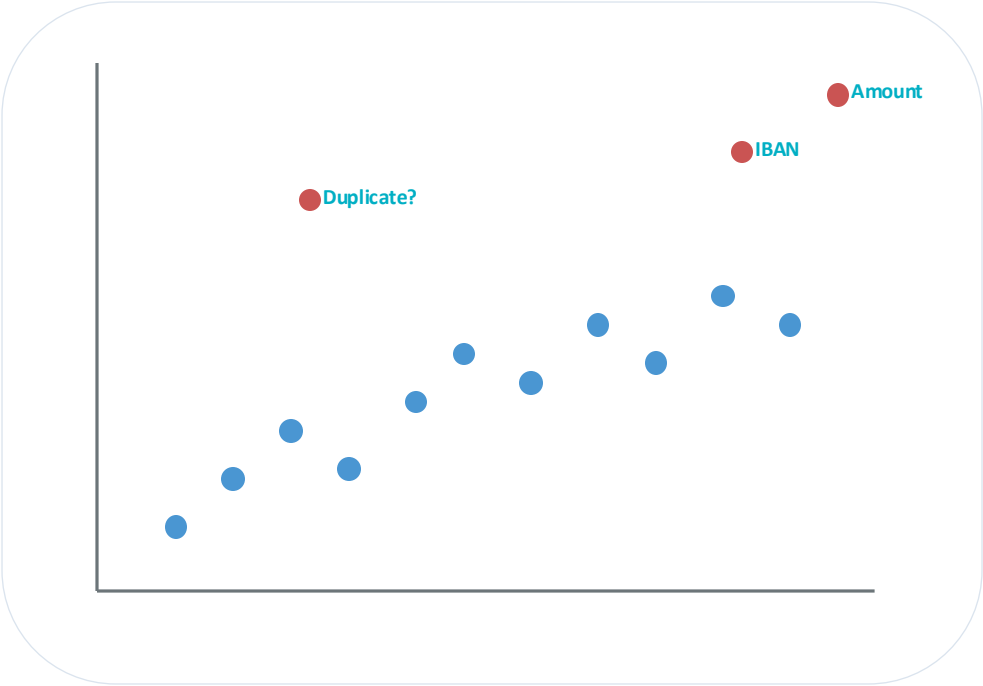
Required fields, tax formula, IBAN

2 • SAP Context

Vendor, Company Code, Purchase Order, Goods Receipt

3 • AI Note

Atypical patterns, duplicates, IBAN changes



Anomaly detection is not a judgment, but a signal: “This document warrants attention.”

Target: Autonomous AP

People handle exceptions—standard cases are handled automatically whenever possible

Exception handling
Complex or unusual cases

Assisted processing
AI suggests, humans decide

Automatic posting
Standard cases with no relevant deviations

Fewer
Manual entry

Faster
Processing & discount

Better
Transparency & control



The backbone of a controlled financial process

Rules remain indispensable because they are transparent, verifiable, and stable.

Required fields

What information must be provided?

Tolerances

What price or quantity deviations are permitted?

Approvals

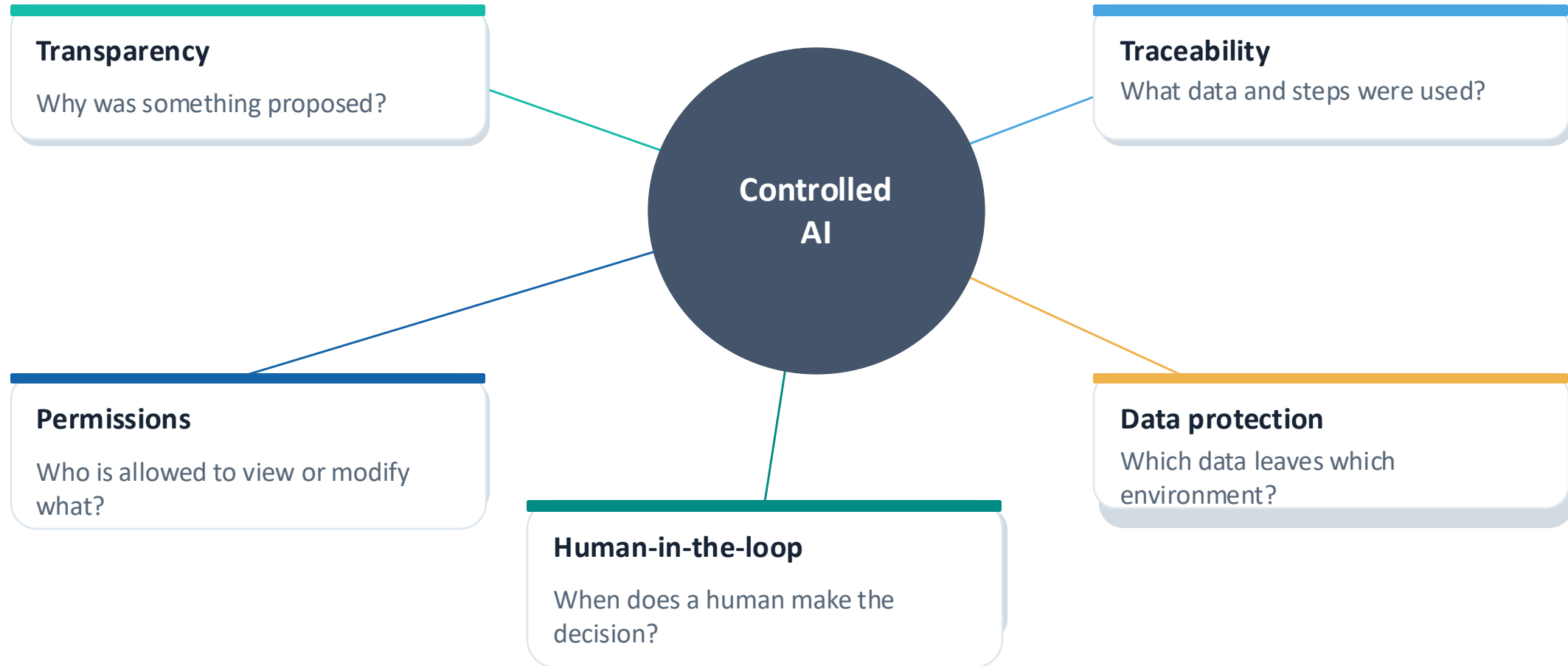
Who must review orders starting at what amount?

Exceptions

When should a process be paused or escalated?

AI does not replace these rules. It complements them with better suggestions and contextual understanding.

AI in financial processes requires clear governance



Good AI in accounting is controlled, explainable, and reliable.

Success Factors and a Look Ahead to Part 2

The foundation has been laid—next comes the concrete solution outlook

Data Quality

Master data, orders, and history must be reliable.

Integration

AI requires real-time context from ERP/SAP and process data.

Governance

Data protection, auditability, and permissions must be regulated.

Acceptance

Employees must experience AI as a relief in their daily work.



Takeaway: AI is not a single feature, but rather an interplay of rules, ML, Document AI, LLMs, and process integration.

Q&A

Your speaker:

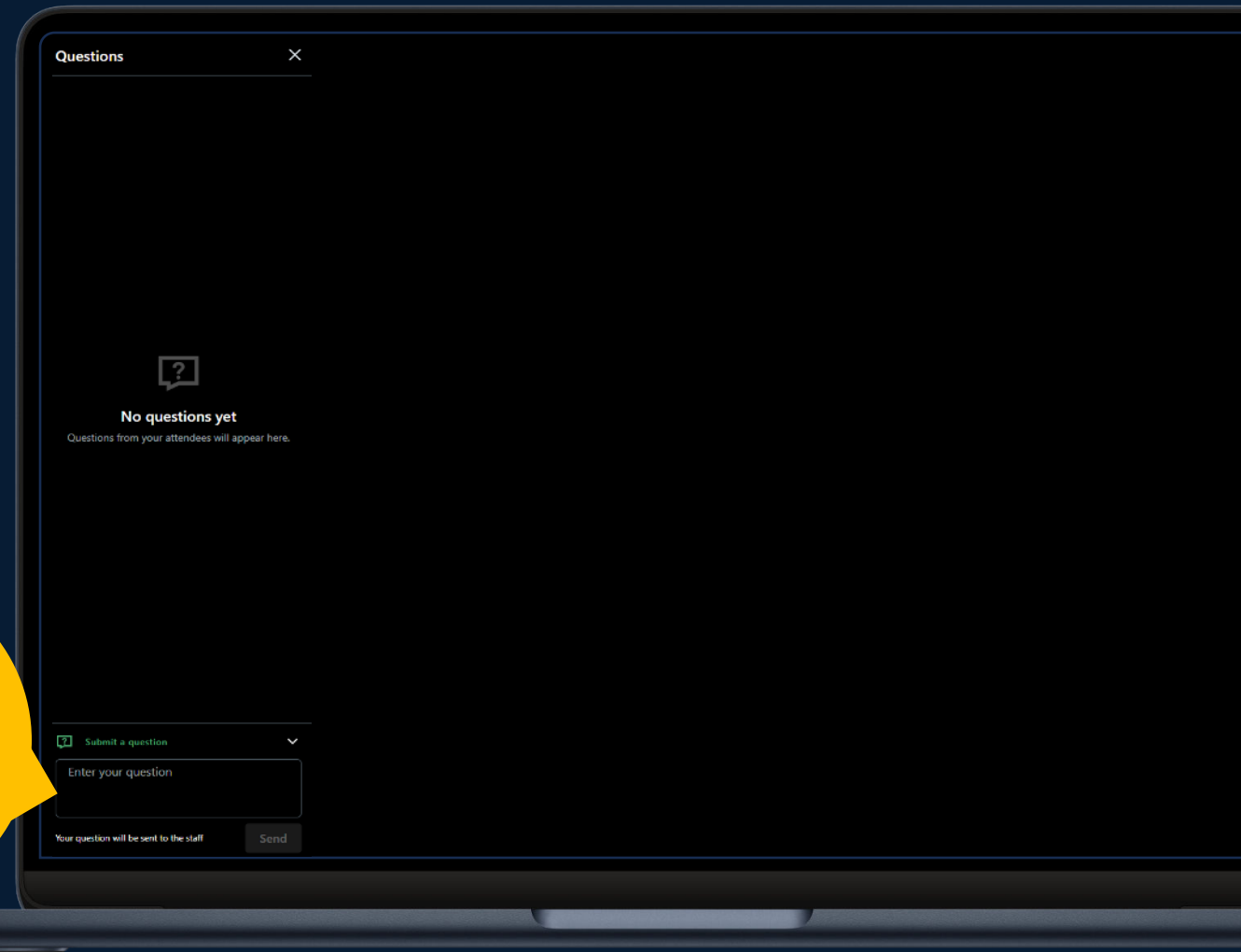
Hanna Ballantine

Solutions Engineer



hanna.ballantine@xsuite.com

Please enter your
questions here



Upcoming Events

AI Weeks 2/3

xSuite Mira in use – AI in SAP-integrated invoice processing

Register for May 12

AI Weeks 3/3

Agentic AP: Strategy & Roadmap of the xSuite AI Suite Mira

Register for May 19

AI Weeks | Exclusive xSuite Webinar

AI in Invoice Processing: Technologies, Use Cases and Practical Examples

- > Tuesday, May 5, 2026
- > 10:00 am EST (45 min - 1 hour)
- > Registration is Free of Charge

Artificial intelligence is rapidly changing invoice processing in SAP. In this webinar, we will give you a concise overview of AI approaches and their application in accounts payable.

We categorize the most important technologies, from machine learning and deep learning to large language models (LLMs) and intelligent agents. You will learn how these approaches are related and where their differences lie. Using concrete use cases, we demonstrate how artificial intelligence supports document reading, account assignment, and workflow.

We'll also take a look at where AI is already being used in SAP-integrated invoice processing with xSuite. The webinar will be rounded off with practical examples demonstrating how our customers are already using AI and the benefits they are reaping.

Reminder: This webinar is the first in our 3-part xSuite AI weeks series! Register now to receive recordings and handouts for all webinar sessions.

Learn how AI is used in SAP-integrated invoice processing with **Mira**, the **xSuite**

First name*	Last name*
Company Name*	
Job title	
Email*	
☐ I have read the privacy policy of the xSuite Group GmbH and agree to it by submitting this form.	
Submit	