



BeNeering AI agents  
for operational  
procurement: 6 use  
cases from 2025  
deployments



# Agenda

BeNeering AI agents for operational procurement:  
6 use cases from 2025 deployments



## Introduction



Universal Search



Freetext Intake and Orchestration



Smart Sourcing Basket



Offer Prices Verification



Compliance and Status Check Chatbot



Supplier Order Confirmation



# Our company

**2007**

foundation year

**40+**

customers in 85 countries

**65+**

SAP senior experts  
and young AI talents

**350 000+**

users in large enterprises,  
SMEs and public sector



- Solution development in co-innovation with customers
- Team with in-depth SAP and procurement experience
- Open to developing customer-specific extensions
- Private, independent and financially stable



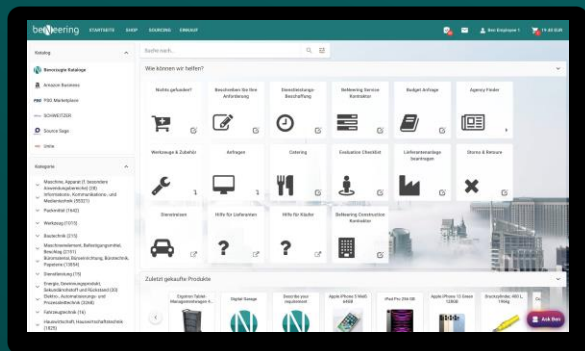


# BeNeering Dynamic Guided Buying: *standard buying channels first, freetext - only when really necessary*

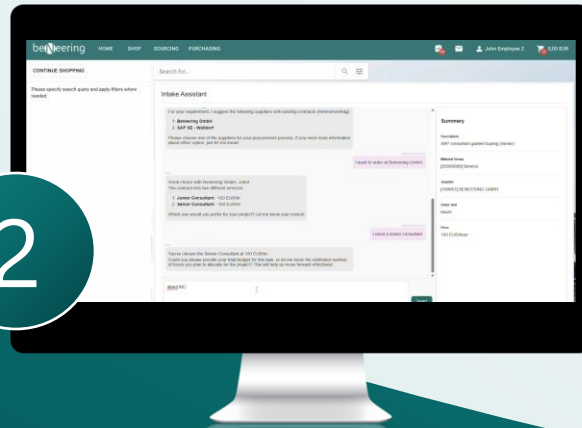
1

## Universal Search across all standard channels

- Supplier and buyer catalogs, marketplaces and punchouts
- Catalog-like service ordering from operational contracts
- Catalog-like reservations from own stock



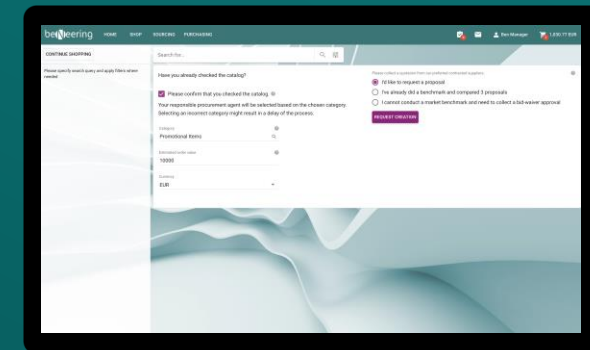
2



## Non-standard requests or supplier offers rework to standard channels or enrichment leveraging PO history data with AI Intake Assistant

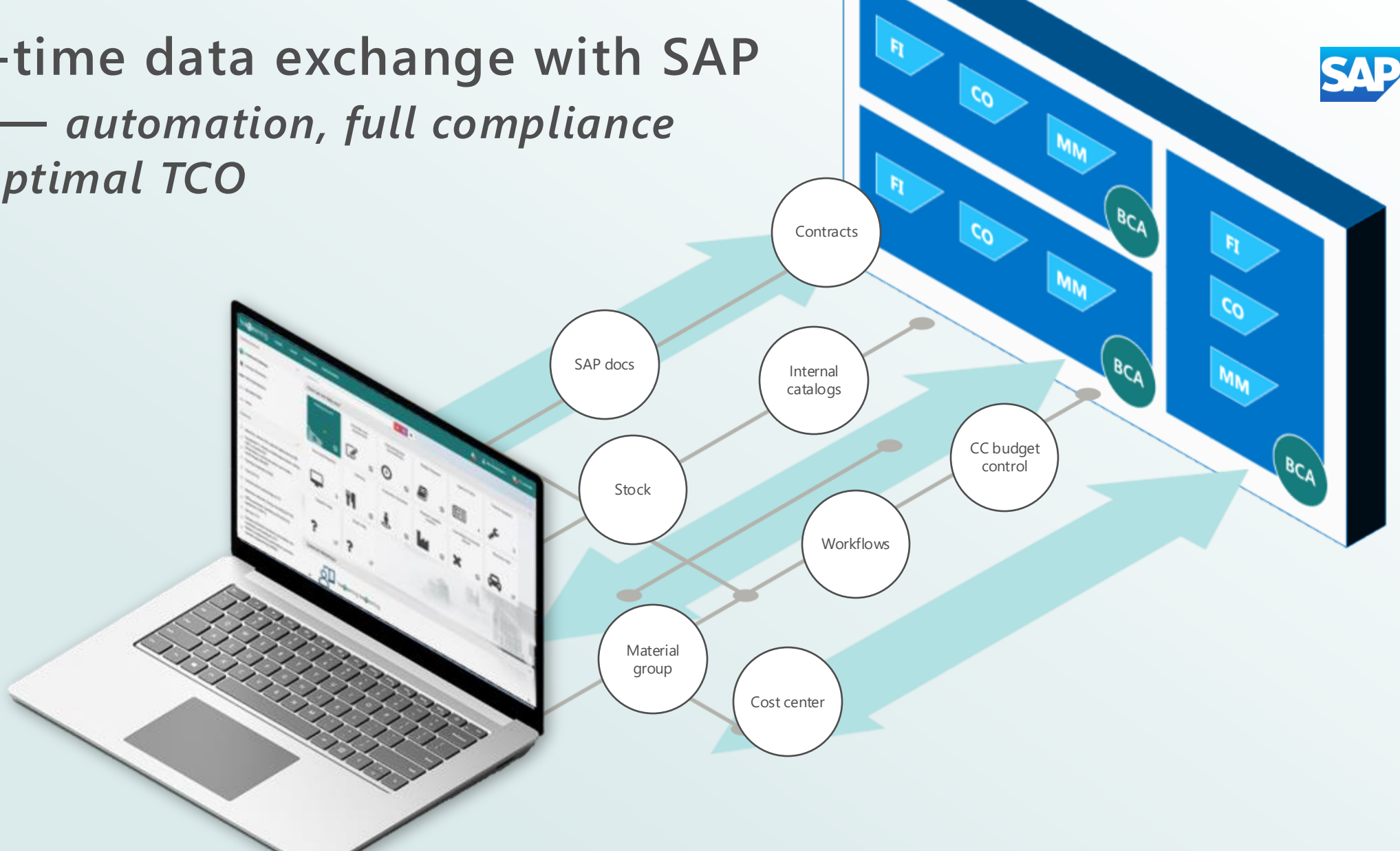
3

## Real freetext requests with AI- driven data support with AI Intake Assistant





# Real-time data exchange with SAP ERP — *automation, full compliance and optimal TCO*



## Certificate SAP INTEGRATION CERTIFICATION

SAP SE hereby certifies that the interface software for the product **BeNeering Cloud Adapter 2024.2** of the company **BeNeering GmbH** has been certified for deployment on **SAP S/4HANA Cloud Private Edition, release 2023** via the SAP integration scenario Add-On Deployment for RISE with SAP.

This certificate confirms the technical compliance of **BeNeering Cloud Adapter 2024.2** with SAP certification procedures.

The certification test is documented in report no. **23671** and expires on **September 9, 2027**.

SAP Test System: SAP S/4HANA Cloud Private Edition, release 2023

The certification is listed on the SAP Certified Solutions Directory [sap.com/csd](https://sap.com/csd).

### Certified Functions:

Assign Software Component and Namespace  
Package Add-On Using SAP Add-On Assistant  
Deploy using SAP Add-On Installation Tool (SARIT)  
SAP Solution Manager (SSM) functionality  
Compatible with SAP S/4HANA Cloud Private Edition  
Works with RISE with SAP

Christoph Claus  
Waldorf, September 9, 2024

SAP Certified  
Integration with RISE with SAP S/4HANA Cloud

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**Catalogs and Catalog Management**  
**AI Engine and AI Intake Assistant**  
**Automated requestor journeys**

**No limitations in data model**  
**Real-time data exchange and status display**  
**No data replication**  
**No middleware**

**Business logic**  
**Master data**  
**Transactional data**  
**Workflows**



# BeNeering AI Strategy

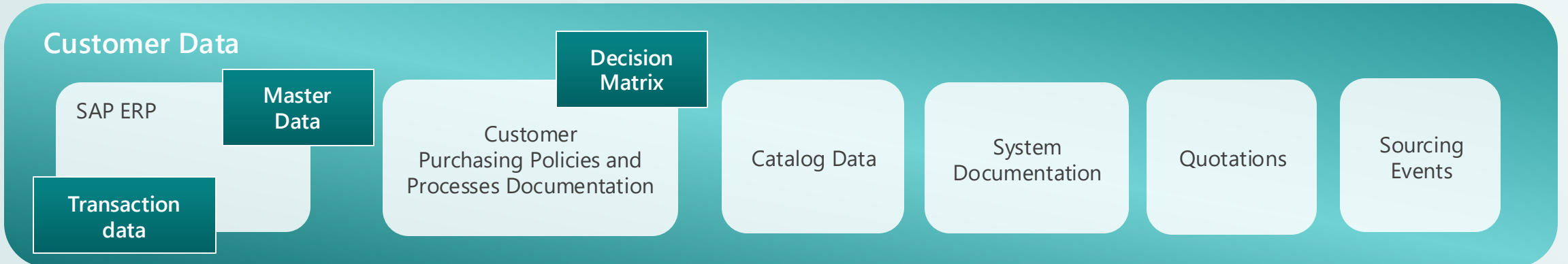
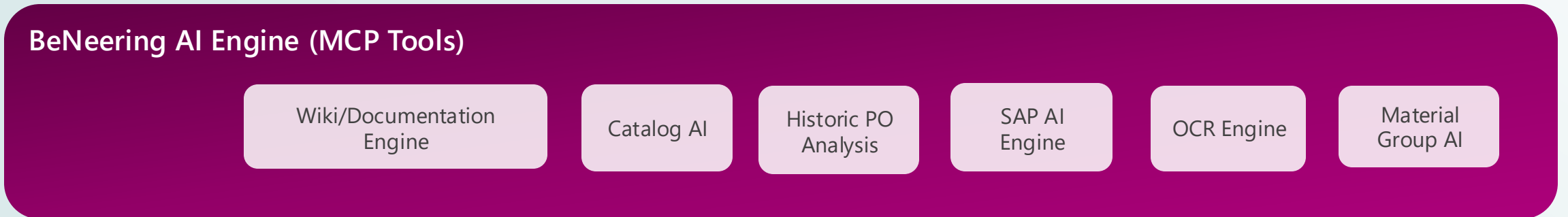
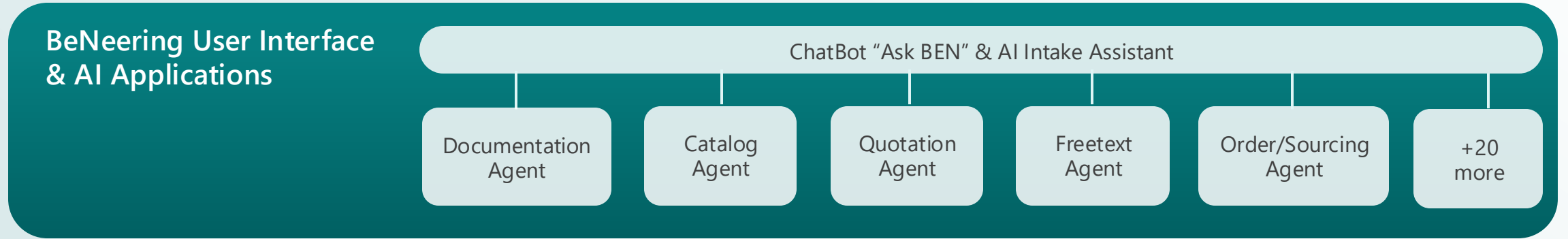
AI Engine is one of solution components



- AI Engine
- Catalog & Content Management
- Dynamic Cloud Forms
- BeNeering Cloud Adaptor for SAP
- Sourcing Engine
- Central Workflow
- Supplier Portal

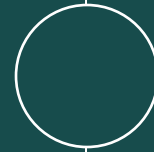


# AI @ BeNeering — architecture



# Agenda

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6 use cases from 2025  
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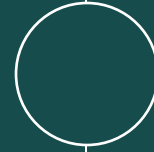
Introduction



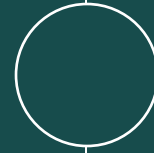
**Universal Search**



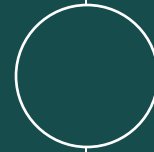
Freetext Intake and Orchestration



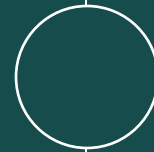
Smart Sourcing Basket



Offer Prices Verification



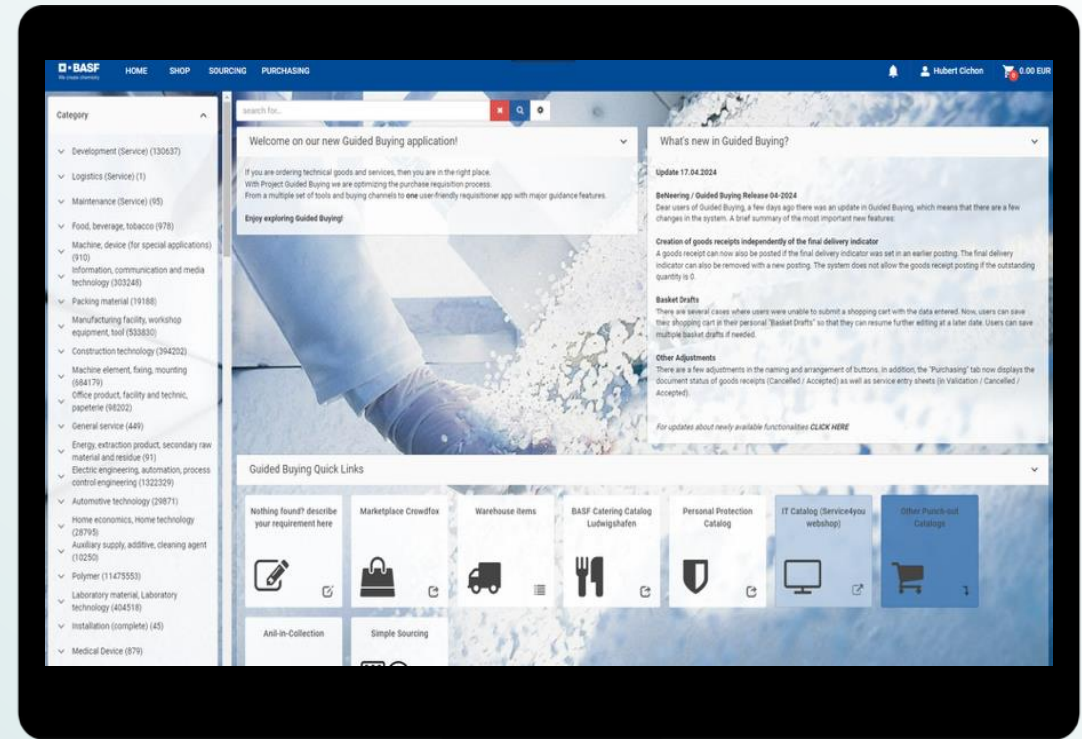
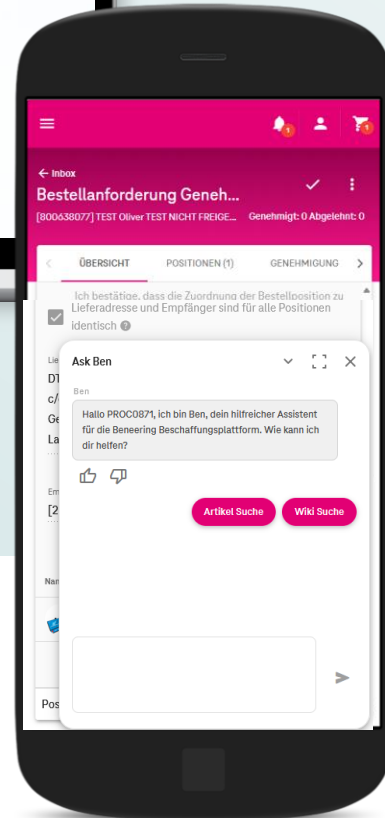
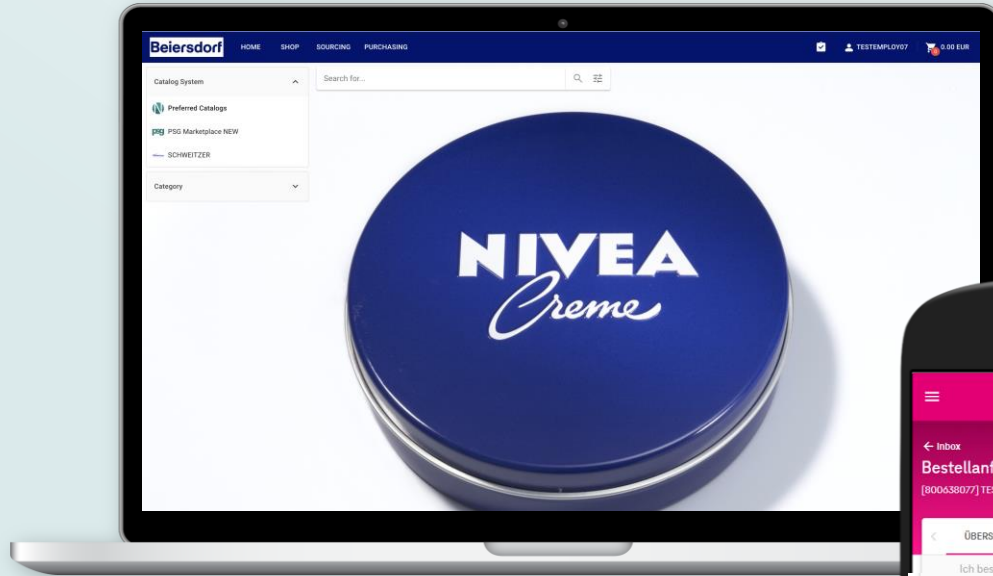
Compliance and Status Check Chatbot



Supplier Order Confirmation



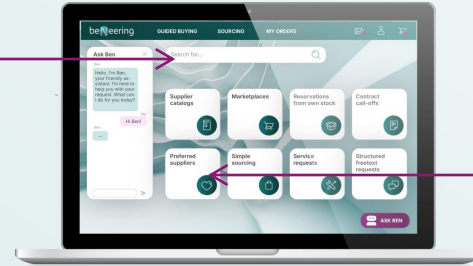
# One entry point for all requests — goods or services alike





# BeNeering Content Management Engine

Search engine for the indexed content in one interface



Content is not indexed, but still accessible from same interface

## HOSTED CATALOGS

- **Supplier managed catalogs:** 4000+ supplier managed catalogs
- **Buyer managed catalogs**
- **Material and service master**
- **Contract replication from SAP**

## INTEGRATED MARKETPLACES & PUNCHOUTS

- Major marketplaces are **fully integrated** into BeNeering Guided Buying: Amazon, Mercateo/Unite, PSG, Source Sage etc.
- Integrated supplier sites
- Search query is sent to all authorized marketplaces in parallel in real-time
- Uniform user interface, no interruption in navigation
- Ordering with one-creditor model

## PURCHASING FORMS

- **Structured forms** for complex category requests, where user input is required

## EXTERNAL WEBSHOPS

- Content is not included in search engine
- User has to choose the right catalog (WebShop)

# BeNeering AI-based Guided Buying

Universal search engine for structured  
buying channels



# What have you just seen?

1. Requestors have only 1 system to go to for whatever they need
2. They do not need to know in which buying channel item or service is
3. They can add items and services from different channels in the same shopping cart

## **BUSINESS RESULT:**

**Requestor satisfaction and efficiency  
via real Intake = major time savings  
for procurement**



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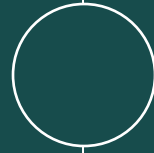
Universal Search



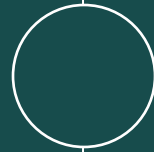
**Freetext Intake and Orchestration**



Smart Sourcing Basket



Offer Prices Verification



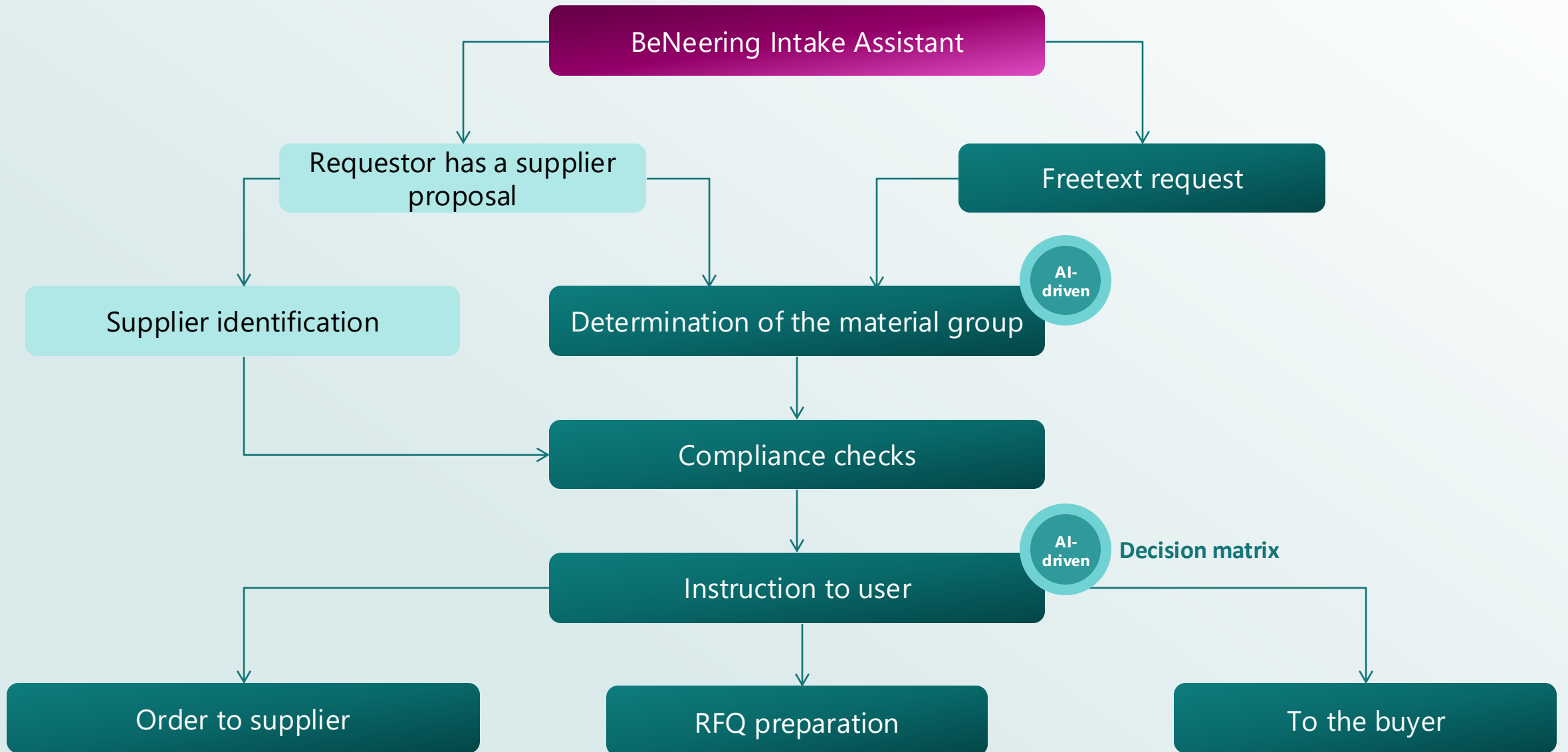
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Supplier Order Confirmation



# BeNeering Intake Assistant

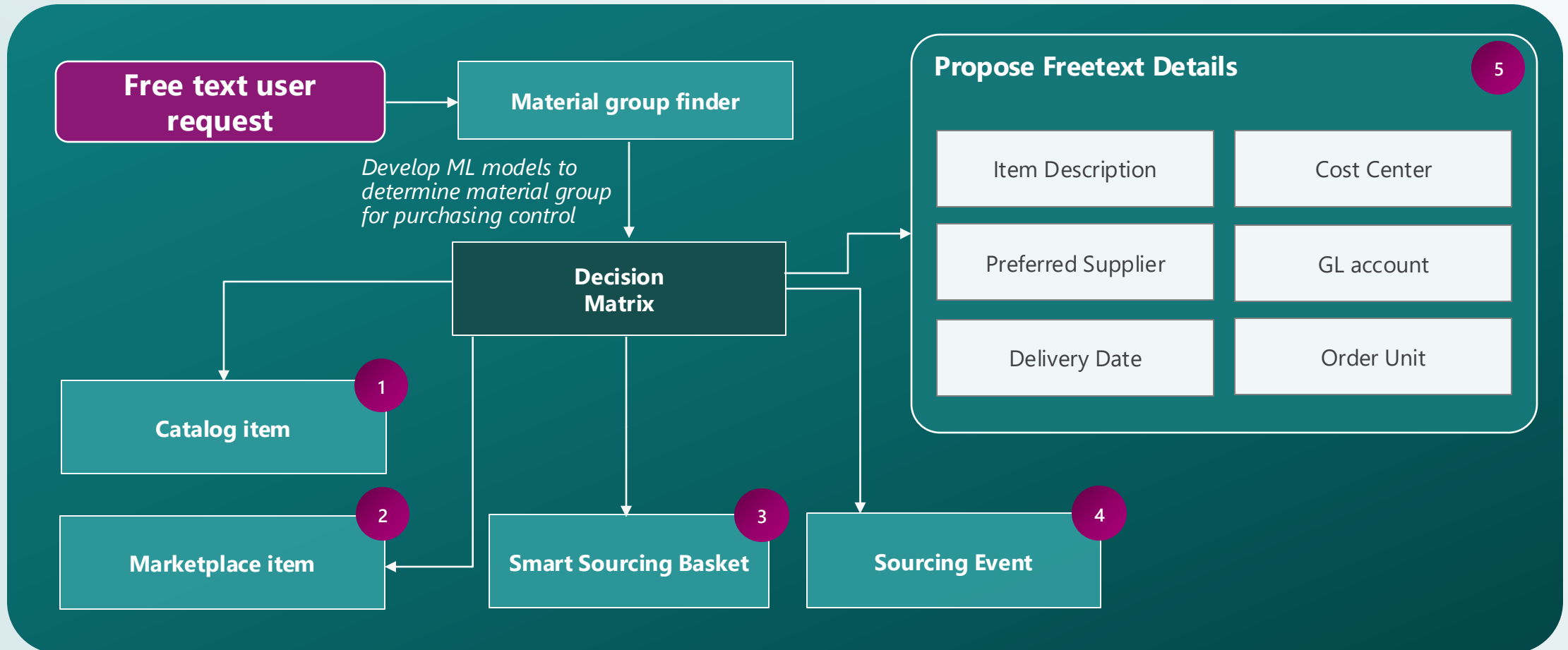




# Decision matrix

AI Guardrail to guide the users to the right next step in accordance with procurement policy

Intake Assistant validates end user free text request against procurement policies and available standard buying channels and enriches it with data before forwarding it to next step / approval.





# The role of the material group

- Procurement control based on product groups, existing contracts, and order value limits
- Knowledge of material groups is very important for compliance rules to function properly

## Control in purchasing

Do I need a quote?

Which suppliers are eligible?

Have we already placed an order with the supplier?

Do I need to involve the purchasing department?

How can the buyer be supported?

# AI Intake Assistant



# Freetext Intake Assistant

beNeering HOME SHOP SOURCING PURCHASING 91 2 Steve Employee 378,59 EUR

← Back  
Intake Assistant  
Your intelligent guide through the procurement process. From effortlessly uploading your data, to seamlessly adding items to your basket and creating a comprehensive cart

### Chat

Supplier\_Offer\_EN\_CPO\_Round\_...

Ben

The offer is for event services for the CPO Round Table in Düsseldorf, September 2025, with a total value of €3,956.75 EUR. The supplier, EventExperts GmbH, has provided a detailed quotation including furniture, catering, a projector, a writing board, and additional services. The offer is valid and the supplier has been verified. The supplier EventExperts GmbH has been identified.

EventExperts GmbH

Ben

We have found 5 products. Would you like to continue with a summarized position or a list of individual items?

Ask me anything

### Summary

#### Offer Details

**Description:** Event services for CPO Round Table in Düsseldorf, Sep 2025  
**Number:** 123456  
**Offer Date:** 01.05.25  
**Net Value:** 3325.00 EUR  
**Supplier Name:** EventExperts GmbH

#### Supplier

**Supplier Name:** EventExperts GmbH  
**Supplier ID:** 0001900029  
**Address:** Main Street 140, 605  
**Country:** DE

#### Products

Furniture set  
Delivery time ( )  
Quantity: 1 PC  
Price: 1.250,00

### Compliance Check

- ✓ Supplier  
Supplier Found
- ✓ total value  
Value below 10.000 EUR

- User is guided by the agent to specify a fully qualified requirement, supporting PDF upload
- AI agent will help with identification for suppliers & material group
- AI agent will help submitting the request via SAP PR and SAP PO to supplier
- Simplification for buyers due to pre-qualified requests

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**Smart Sourcing Basket**



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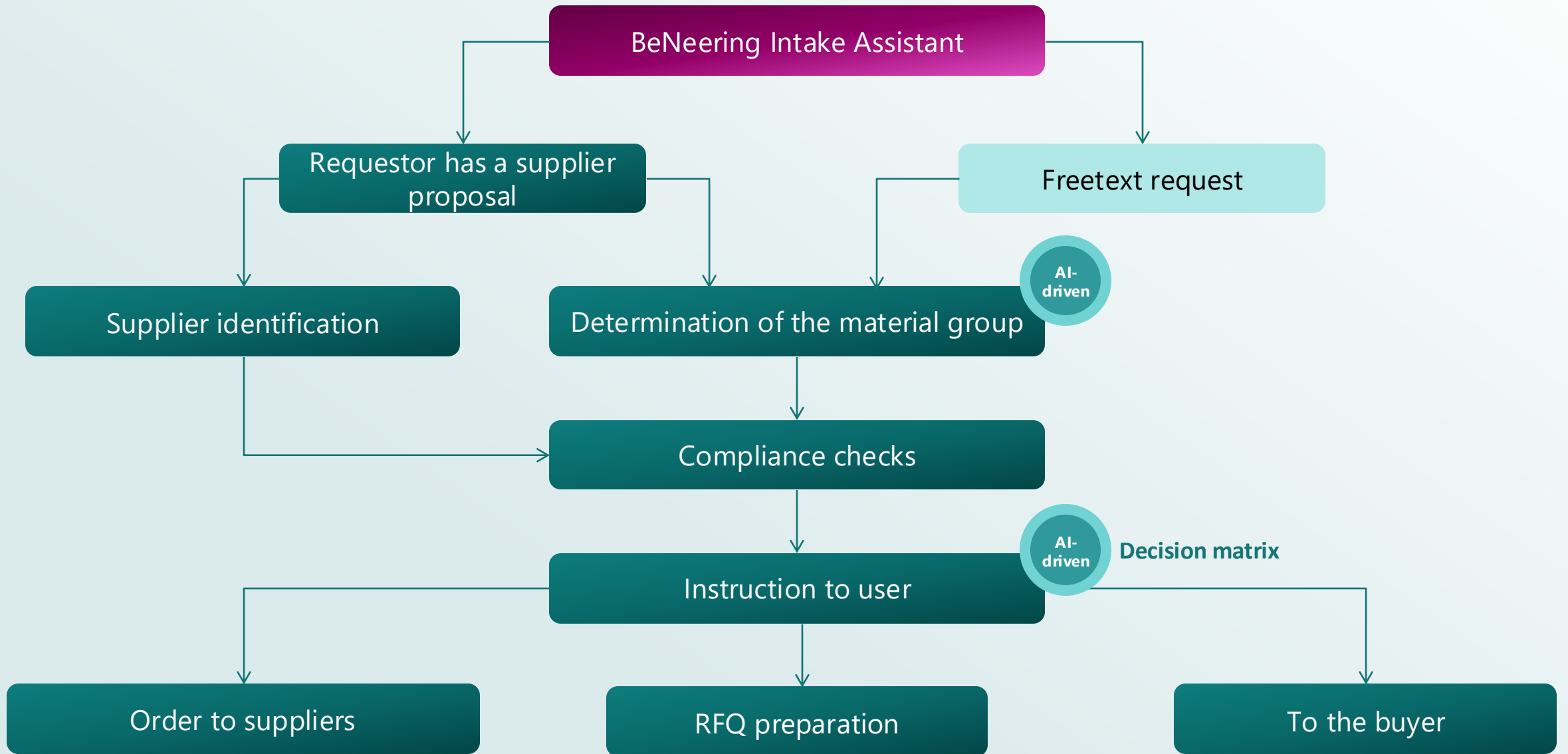
Compliance and Status Check Chatbot



Supplier Order Confirmation



# BeNeering Intake Assistant



# AI Smart Sourcing Basket



# AI-driven RFQ creation and Sourcing

The screenshot displays the beNeering Intake Assistant interface. At the top, the navigation bar includes 'HOME', 'SHOP', 'SOURCING', and 'PURCHASING'. The user is identified as 'Steve Employee' with a shopping cart value of 378,59 EUR. The main content area is titled 'Intake Assistant' and describes it as 'Your intelligent guide through the procurement process. From effortlessly uploading your data, to seamlessly adding items to your basket and creating a comprehensive cart'.

The interface is split into two main sections: 'Chat' and 'Summary'.

**Chat Section:**

- Ben:** Thank you for your request. Could you please specify the type or model of the cryo microscope you need, as well as the quantity required? Additionally, any details about the intended use or features would be helpful.
- You:** which models exist on the market?
- Ben:** There are several models of cryo microscopes available on the market, including but not limited to:
  - Cryo Electron Microscopes (Cryo-EM)
  - Cryo Fluorescence Microscopes
  - Cryo Scanning Electron Microscopes (Cryo-SEM)
  - Cryo Transmission Electron Microscopes (Cryo-TEM)
  - Cryo Light Microscopes

**Summary Section:**

- Accounting Data:**
  - Employee: EMPL01
  - Company Code: DE01
  - Purchasing Organisation: 1000: Purchasing Org 1000
  - Plant: 1000
- Compliance Check:**
  - Supplier: No Supplier Found
  - total value: Value below 10.000 EUR

A purple callout box highlights the following features:

- Intuitive and flexible user interface for RfP creation
- Live access to SAP data (material master, suppliers etc.)
- Possibility to invite new suppliers into RfP, who do not exist in SAP



# What have you just seen?

1. Requestor self-service for supplier proposal upload
2. Pdf is converted into a structured form and a shopping cart item
3. Contract compliance checks are done by BeNeering AI

## **BUSINESS RESULT:**

- **No email ping pong — saving time for procurement and the requestor**
- **AI does the compliance check work for you**
- **Compliant offer can be processed without delay**

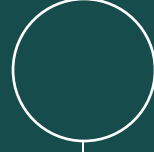


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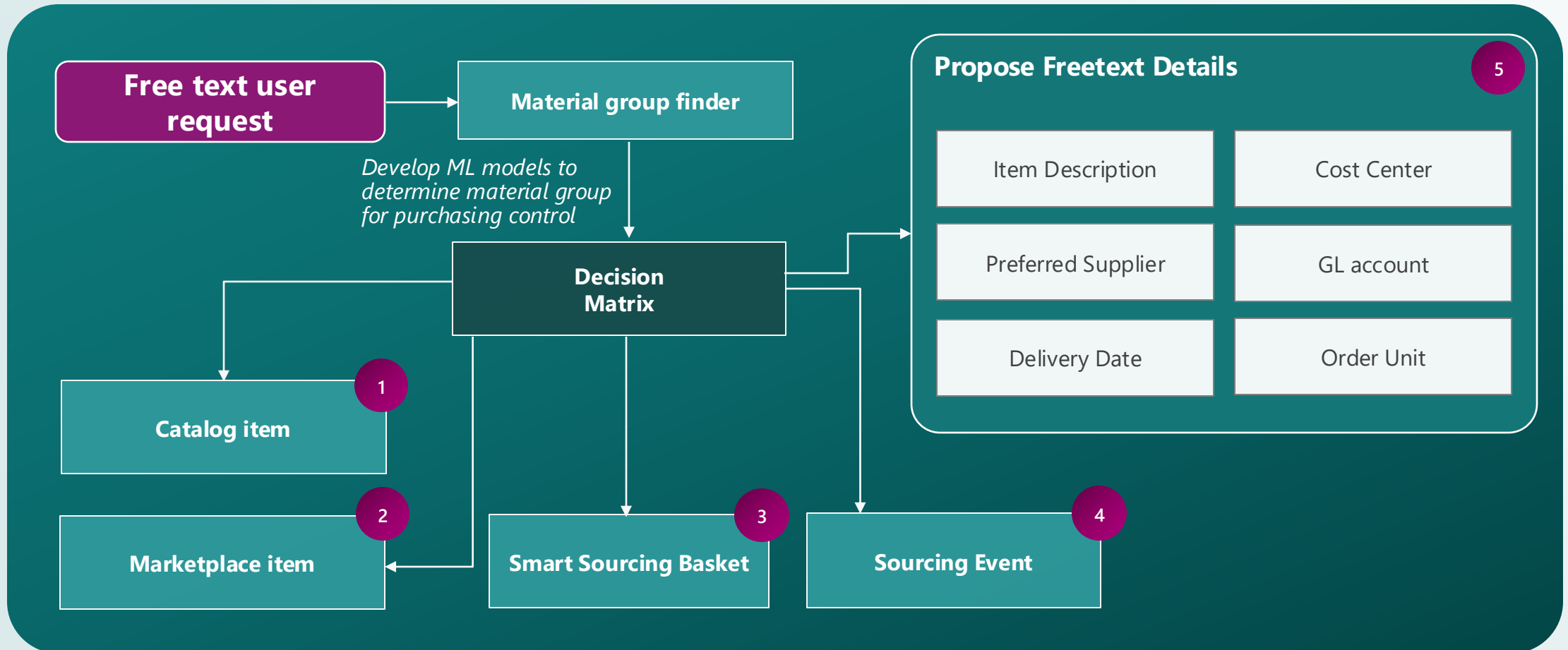
Supplier Order Confirmation



# Decision matrix

AI Guardrail to guide the users to the right next step in accordance with procurement policy

Intake Assistant validates end user free text request against procurement policies and available standard buying channels and enriches it with data before forwarding it to next step / approval.





# Offer hierarchy items verification against contracted component prices

## BeNeering

Contracted components prices are uploaded as a catalog

### Supplier 1 contract:

Server component 1 (native) – 100 Euro  
Server component 2 – 200 Euro  
Server component 3 – 300 Euro

### Supplier 2 contract:

Server component 1 (native) – 150 Euro  
Server component 2 – 250 Euro  
Server component 3 – 350 Euro

Offer gets structured per line item with associated components to shopping basket

Non-native component gets verified against uploaded contract for item price calculation

Buyer can make a decision to buy non-native components from other supplier -> non-native components get substituted in shopping basket

## Supplier

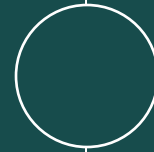
Supplier provides an offer in PDF in BeNeering Supplier Portal or via e-mail

Server 1 – 10.000 Euro

- Component 1 (native)
- Component 2
- Component 3

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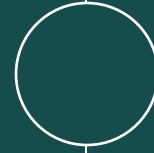
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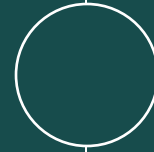
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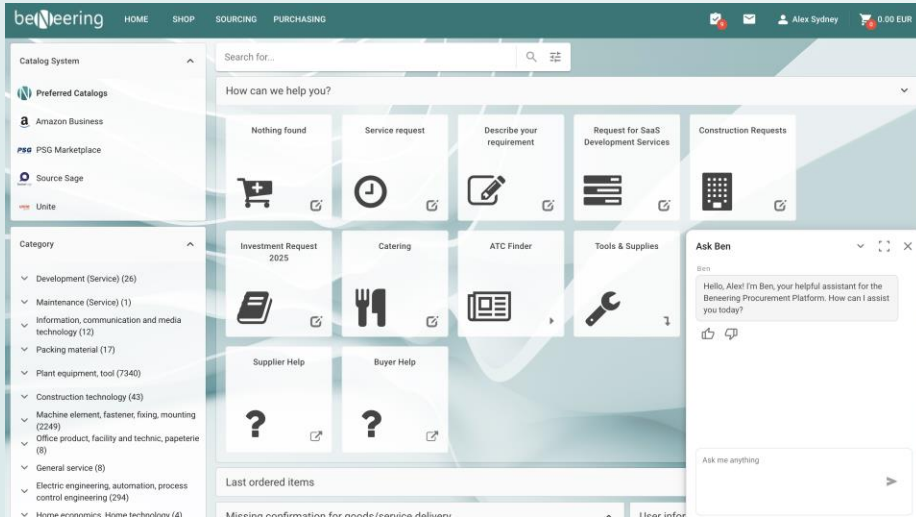
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Supplier Order Confirmation

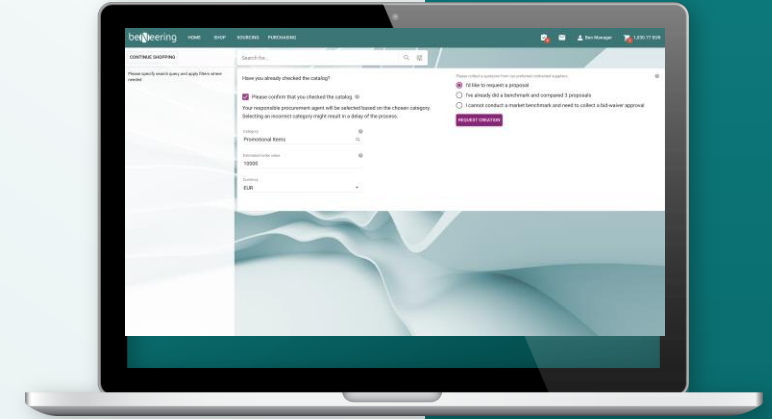


# Compliance and Status check Chatbot



1

All purchasing policies that can be automated will be automated in BeNeering through various mechanisms such as catalogue access rights, dynamic forms, workflows, etc.

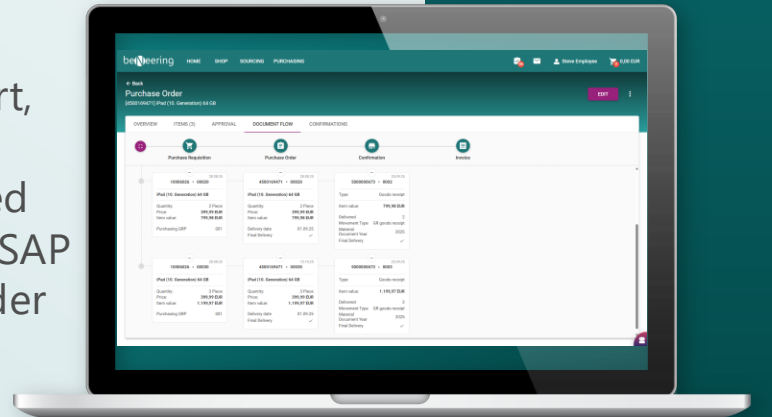


2

In addition, users (requestors and buyers) are able to consult purchasing policies by asking our chatbot. Customer's policy documents are used for training the chatbot

3

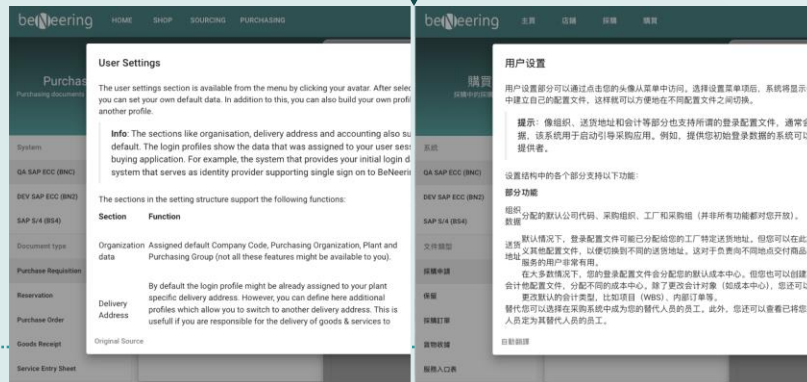
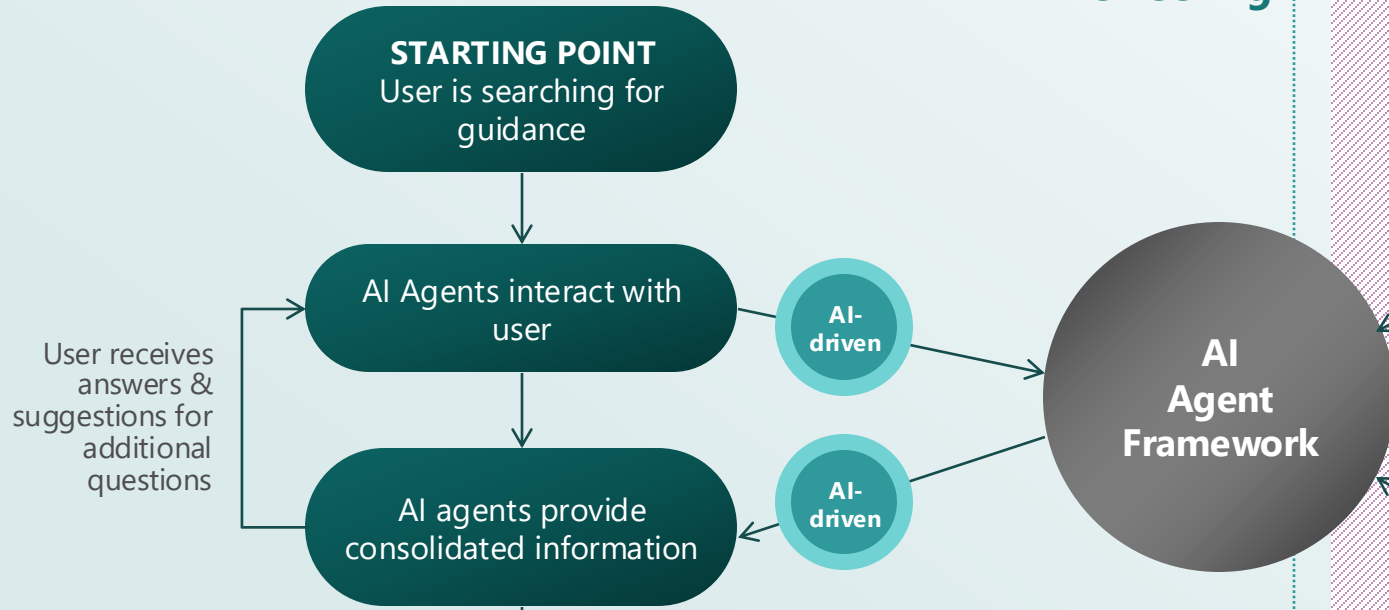
Status of the shopping cart, related documents and approvals can be consulted by users in real time (e.g. SAP requisition status, SAP order status, SAP order history, etc.)





# Process Compliance

BeNeering



WIKI

## Atlassian Confluence

- Procurement Policies
- User Guideline
- Support Guideline
- System Documentation

## Sharepoint Documentation

- Procurement Policies
- User Guideline
- Support Guideline
- System Documentation



# Process Compliance

The screenshot displays the Beneering Procurement Platform interface. At the top, there is a navigation bar with the Beneering logo and menu items: HOME, SHOP, SOURCING, and PURCHASING. On the right side of the navigation bar, there are icons for notifications (91), email, user profile (Steve Employee), and a shopping cart (0,00 EUR).

The main content area is titled "Purchasing" and includes a search bar for documents. Below the search bar is a table of purchasing documents. The table has columns for "Id" and "Name". The documents listed are:

Id	Name
10006140	EMPL01 - ben.empl1@beneering.com - 2025 ORDERED: 1
10006129	EMPL01 - ben.empl1@beneering.com - 2025 DRAFT ORDERED: 1
10006125	EMPL01 - ben.empl1@beneering.com - 2025 SUBMITTED: 1
10006124	EMPL01 - ben.empl1@beneering.com - 2025 DRAFT SUBMITTED: 1
10006123	EMPL01 - ben.empl1@beneering.com - 2025 SUBMITTED: 1
10006120	EMPL01 - ben.empl1@beneering.com - 2025 DRAFT ORDERED: 1
10006119	EMPL01 - ben.empl1@beneering.com - 2025 ORDERED: 1 COMPLETED: 1

On the right side of the interface, there is an "Ask Ben" chatbot window. The chatbot, named Ben, greets the user and offers assistance. The user asks, "where can I change my default cost center?". Ben provides a detailed answer, explaining that the user can change their default cost center in the user settings under the "Accounting" section. Below the answer, there are four suggested questions in purple buttons: "How to create a new profile?", "How to switch profiles?", "Where is the accounting section?", and "Can I change existing items?". At the bottom of the chat window, there is an input field with the placeholder text "Ask me anything" and a send button.



# Process Compliance

beNeering 主頁 店鋪 採購 購買

91 0 Steve Employee 0,00 EUR

購買 採購中的採購

系統

QA SAP ECC (BNC)

DEV SAP ECC (BN2)

SAP S/4 (BS4)

文件類型

採購申請

保留

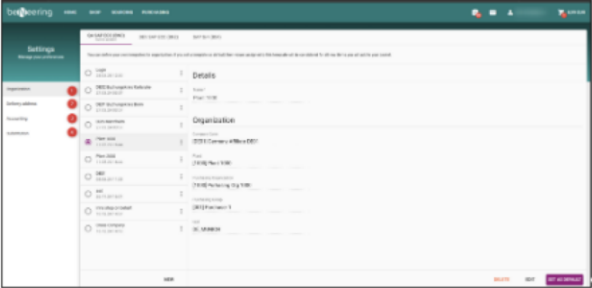
採購訂單

貨物收據

服務入口表

顯示模式

## 用户设置



- Documentation & guidelines are typically written in English or German
- AI Agents translate the documentation in real-time
- Guidelines are becoming available to users in local language


如上截图所示，左侧可以在用户设置之间导航。您可以导航到组织数据、送货地址、会计数据和替代人员。

在每个设置部分，您会找到以下按钮：

按钮	描述
新建	创建新的账户/送货地址/组织/替代人员（见第4点）
设为默认	将选中的条目设为您的默认（见第5点）
删除	删除选中的条目（见第5点）
编辑	编辑选中的条目（见第5点）

### 1. 组织设置

在组织窗口中，您会看到左右两侧。左侧显示您创建的组织配置文件。选择一条条目后，右侧会显示该配置文件的详细信息。

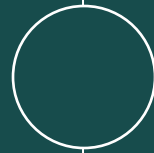


自動翻譯

關閉

# Agenda

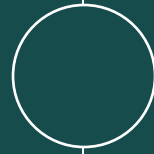
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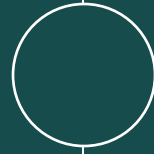
Universal search



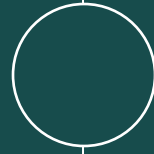
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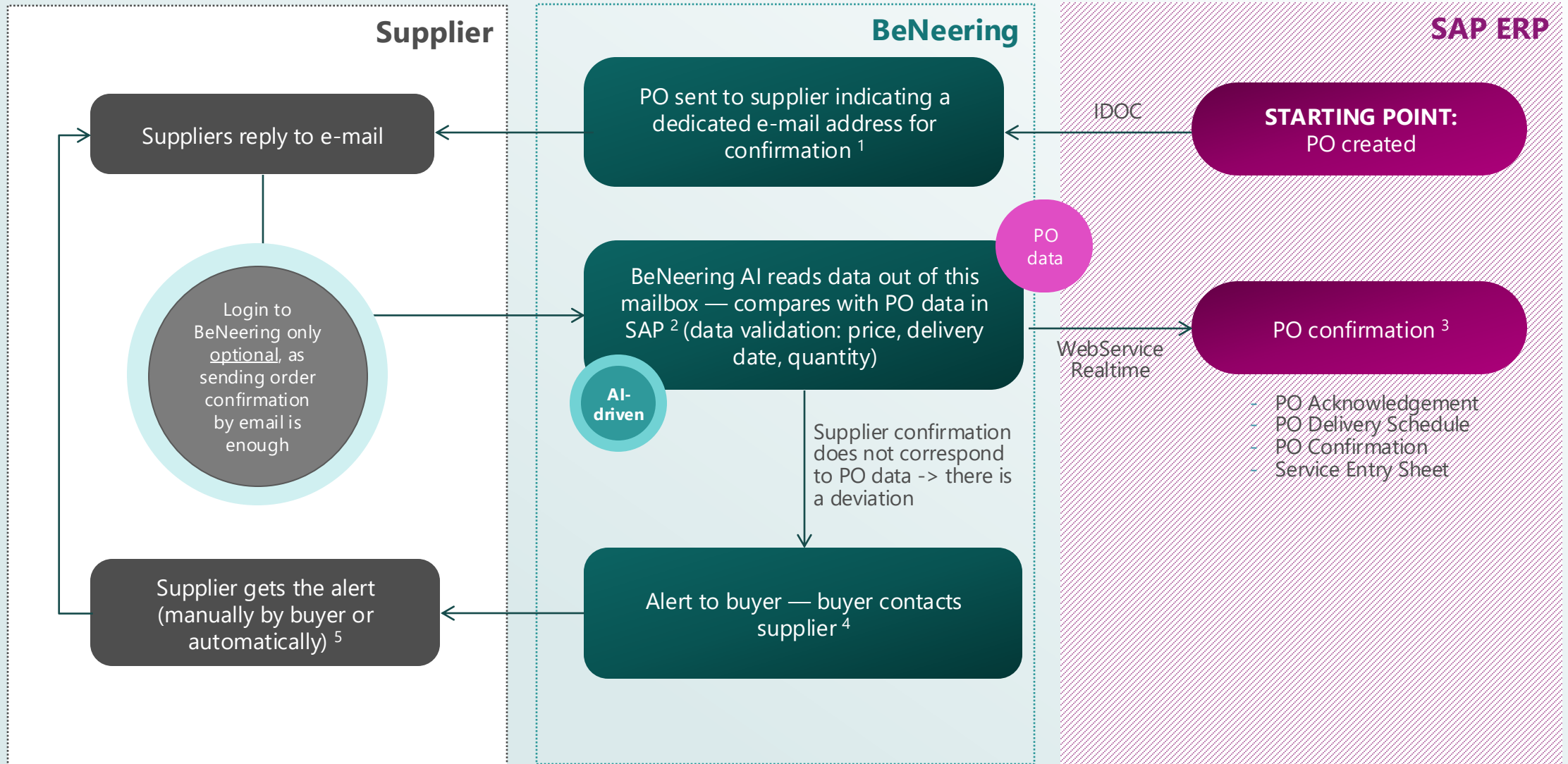
Compliance and Status Check Chatbot



**Supplier Order Confirmation**



# Supplier Order Confirmation





# Supplier Order Confirmation

**beNeering**

**Purchase orders**  
Purchase orders from your customer

Search for documents  
Search by document ID

Creation date  
2.6.2025 – 2.12.2025  
Max date range is 6 months

Customer  
BeNeering Demo

ID	Name	Created by	Created at
4500169544	High-temperature & metallurgy equipment NEW: 1	EMPL01	01.12.25
4500169516	Quartz glass tubes NEW: 2 IN PROGRESS: 3	EMPL02	23.10.25
4500169454	Vacuum & controlled-atmosphere systems NEW: 1	AL_TEST	25.08.25
4500169449	Marketing NEW: 1	EMPL01	25.08.25
4500169440	SAP Consulting NEW: 1	AL_TEST	22.08.25
4500169437	Event CPO Roundtable NEW: 1	EMPL01	18.08.25
4500169434	Filters & separation NEW: 1	EMPL01	11.08.25
4500169433	BeNeering Service NEW: 1	EMPL01	11.08.25

Item status  
New  
In progress  
Rejected  
Completed

Filters  
Created by  
Plant  
Contract

Items per page 20 1 - 15 of 15

Release 2025.3

**Purchase Order access to supplier**

- Real-Time access to customer SAP
- List of Purchase Orders, including PO acknowledgement & final delivery status



# Supplier Order Confirmation

beNeering

← Purchase orders

## Purchase order 4500169546

Zeichnung Baustelle 2471 München

Download Reject **Confirm**

General Delivery address **Items (4)** Confirmations

No.	Name	Material/Service no.	Quantity	Order unit	Price	Item value
10	Zeichnung Baustelle 2471 München ✓ ACKNOWLEDGED	-	1	Activity unit	26.550,00 €	26.550,00 €
	Project planning	-	1	Page	800,00 €	800,00 €
	Drawings for site 2654	-	1	Page	550,00 €	550,00 €
	QA Management	-	40	STD	80,00 €	3.200,00 €

**Purchase Order detail view on Supplier Portal**

- Independent if supplier was sending order confirmation by email or manually on supplier portal
- List of already submitted order confirmations is shown

Total value: 26.550,00 €



# Supplier Order Confirmation

beNeering

← Purchase orders  
**Purchase order 4500169546**  
Zeichnung Baustelle 2471 München

Download Reject **Confirm**

General Delivery address Items (4) **Confirmations**

Registered

	ID / Ext ID	Name	Created	Item	Reference	Total value
All	5200017421	SES f. Baustelle Woche 49 <span>NEW</span>	Sven Supplier 02.12.25	10	-	1.910,00 €
New	5200017420	SES Baustelle München <span>IN APPROVAL</span>	Sven Supplier 02.12.25	10	-	10.400,00 €

In approval Rejected Transfer Invalid

Published

All In validation Cancelled Accepted

Estimated value: 12.310,00 €

Items per page 100 1 - 2 of 2

### Order Acknowledgement & Order Confirmation

- Independent if supplier was sending order confirmation by email or manually on supplier portal
- List of already submitted order confirmations is shown
- In all cases, order confirmation is registered & send to SAP
- Optionally, order confirmation can be sent to customer for approval



# Supplier Order Confirmation

- <sup>1</sup> – BeNeering requires a trigger to inform supplier about new PO or PO Change. Typically this trigger is a simple SAP IDOC with PO data
- <sup>2</sup> – Supplier is receiving an Email with PO information. Supplier can reply to this Email with information about PO acknowledgement, planned delivery schedule, price update. BeNeering AI Agents support both, context written in Email or context delivered as pdf attachment to this email
- <sup>3</sup> – BeNeering is having real-time connection to SAP via BeNeering Cloud Adapter, so PO acknowledgement / confirmation received from supplier is validated in real-time against PO in SAP. If all data is correct, then PO is acknowledged in SAP.
- <sup>4</sup> – If Email delivered by supplier does not match PO data in SAP, then supplier can be informed directly by the AI agent about identified issues. Or buyer can be involved by a workflow, where he can approve or reject the changes proposed by the supplier
- <sup>5</sup> – Supplier is informed by Email about existing issues. He can restart the PO Acknowledgement / confirmation process as following step <sup>2</sup>

## Option 1

- Supplier is not onboarded on BeNeering. Supplier will participate only via Email communication
- AI Agents scan Emails and push data via BeNeering to SAP

## Option 2

- Supplier is onboarded on BeNeering. Supplier can login to see all PO data and Confirmations. In addition, supplier can respond by Email
- AI Agents scan Emails and push data via BeNeering to SAP

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Thank  
you!

