

Beam AI

Agentic



Beam AI
Building the future of enterprise
automation with AI agents

Beam AI: Building the Future of Enterprise Automation with AI Agents

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Founders: Jonas Diezun (CEO) & Aqib Ansari (CTO), Dr. Benedikt Sanftl (CPO) & Burak Özafşar (ML)

Employees: 45 (+>150 AI Agents)

Offices: Berlin, Munich, Abu Dhabi, New York, & Karachi

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Who We Are?



The image displays three separate AI agent interfaces, each with a dark-themed header and a light-themed body. The first interface is for an 'Insurance Claim AI Agent', showing a claim processing time of '**<30 min**' with a 34% completion rate, a claim accuracy rate of **96.9 %**, and a customer satisfaction score of **4.72 /5**. The second interface is for a 'Data Extraction Agent', showing an extraction accuracy of **96.89 %** with a 5% growth rate, an extraction time of '**<2 min**', and data completeness at **96.4 %**. The third interface is for a 'Sales Operations Agent', showing a customer retention rate of **87.9 %** with a 34% growth rate, a data extraction precision of **95.8 %**, and an order processing accuracy of **94.6 %**. Each interface includes a section for 'Agent Tools' with various icons and a 'Key Statistics' section with line graphs.

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Autonomous AI Agents to automate redundant and complex tasks

Beam AI specializes in AI-driven enterprise automation. Our autonomous AI agents streamline workflows and optimize decision-making.

Enabling businesses to improve efficiency by automating complex data processing and streamlining decision workflows.



Case Study Challenge

Imagine you are in a scenario where you want to win an project with EcomCorp - a global e-commerce organization to automate their order processing system.

The organization receives thousands of orders daily from various regions, each with different formats, structures, and details. The current manual data extraction process is inefficient.

To validate, if you are a fit for EcomCorp they provided a test dataset and would like understand how you will run the project.

Your goal is to win EcomCorp through a convincing presentation:

Task 1: Create an extraction prompt and showcase your accuracy (AI Output = Expected Output).

Task 2: Create a project plan on how you will implement the order processing automation.

Task 3: Create a small presentation that contains the results of Task 2 and Task 3.

Expected time to complete: 3-4 hours



Task 1: Crafting the Perfect AI Prompt: What You Need to Know

Submit a Single, Well-Crafted Prompt

The prompt should be written exactly as it would be input into an LLM. The prompt has to be able to extract all required variables defined in the provided data-set.

Showcase your accuracy

Use the golden dataset and expected outputs to showcase to EcomCorp how well your prompt is performing and show it in your presentation.

Evaluation Methodology

You can use whatever LLMs you prefer. We will be evaluating the quality of your prompt based on the variable level accuracy you achieve.

Maintain a Standardized Data Output

Ensure the output maintains a structured and uniform format across all executions.

Task 1: Exploring the Test Dataset

- Dataset Location → [Available in Notion](#)
- The dataset consists of sample inputs from actual clients with structured data needs to be extracted:

Sales Order Content

- This includes order confirmation PDFs or structured documents containing key details such as buyer information, order number, delivery address, product details, and quantities.
- The data within these documents may be formatted differently, requiring a robust and adaptable prompt to extract key fields accurately.

Candidates should design a versatile AI prompt that ensures accurate, structured extraction while maintaining consistency and adaptability across different test cases.

Test Dataset		Input Document Files	Input Emails	Expected Output to be Extracted based on each case
#	File Type	Sales Receipt	Sales Email	Expected Output
1		NORSE-tech-GmbH...	Von: Felix Hammerstein fhammerste...	Buyer: • buyer_company_name: NORSE Tech and Innovation Hub GmbH
2		Technovac-GmBH....	Von: Lena Hoffmeister lhoffmeiste...	Buyer: • buyer_company_name: TECHNOVAC Systems GmbH
3		Hofbauer-Eng-Gm...	Von: Matthias Greiner mgreiner@ho...	Buyer: • buyer_company_name: Hofbauer Engineering GmbH
4		NT-Precision-GmB...	Von: Einkauf NT Precision GmbH ei...	Buyer: • buyer_company_name: NT Precision GmbH • buyer_per...
5		Möller-Industrial-...	Von: Weiss, Lennart lweiss@moller-i...	Buyer: • buyer_company_name: Möller Industrial Tools GmbH
6		Weber-Tools-Gmb...	Von: Hartmann, Nico nhartmann@we...	Buyer: • buyer_company_name: Weber Tools GmbH • buyer_per...
7		Schneider-Metallb...	Von: Schneider Metallbau GmbH - I...	Buyer: • buyer_company_name: Schneider Metallbau GmbH • ...
8		ZMT-Precision-G...	Von: Fabian Reuter freuter@zmtpre...	Buyer: • buyer_company_name: ZMT Precision GmbH • buyer_per...
9		BauerTech-GmbH....	Von: Lehmann, Sophie slehmann@ba...	Buyer: • buyer_company_name: BauerTech GmbH • buyer_per...
10		Steinbach-GmBH....	Von: Einkauf einkauf@steinbach-pr...	Buyer: • buyer_company_name: Steinbach Precision GmbH & ...

The diagram illustrates the mapping of data fields from a sales receipt template to structured output fields. The template includes company details, delivery address, order header, order items, and footer instructions.

Template Fields:

- buyer_company_name:** NORSE Tech & Innovation Hub GmbH
Im Gewerbepark 21 · D-48157 Münster · Germany
Phone +49-591-7146-0 · Fax +49-591-7146-121
norse-munster@norse-group.com · www.norse-group.com
- delivery_address_street:** NORSE Im Gewerbepark 21
- delivery_address_postal_code:** D-48157
- delivery_address_city:** Münster, Germany
- Firma:** Anhalt GmbH
- Anhalt GmbH**
- Aleoger-Gurz-Schleyer-Strasse 18b**
- 47861 Rutgers**
- order_number:** BESTELLUNG 4701865321
- order_date:** Belegdatum 29.Oct.2024 Änderungsdatum 29.Oct.2024
- Kontakt:** Felix Hammerstein
- Telefon:** +49-591-9136-7861
- Fax:** +49-591-9136-786
- Email:** fhammerstein@norse-group.com
- buyer_person_name:** Felix Hammerstein
- buyer_email_address:** fhammerstein@norse-group.com

Output Fields:

- buyer_company_name:** NORSE Tech & Innovation Hub GmbH
- delivery_address_street:** Im Gewerbepark 21
- delivery_address_postal_code:** 48157
- delivery_address_city:** Münster
- order_number:** 4701865321
- order_date:** 29.Oct.2024
- Kundennummer:** 27036
- Ihr Sachbearbeiter:** Herr Ohlig
- Telefon:** 02154/48786-0
- Ihre Faxnummer:** 02154/48786-33
- Lieferadresse:** Firma NORSE Tech & Innovation Hub GmbH
- Firma:** NORSE Tech & Innovation Hub GmbH
- Im Gewerbepark 21**
- Liefertermin:** Tag 20.11.2024
- Währung:** EUR
- Pos:** 15
- MatNr:** 60860
- Bezeichnung:** Fraeser HSS Ø10mm SL22mm 621450 Anhalt
- Menge:** 7
- Einheit:** Stück
- Preis/EH:** 78,40
- Nettowert:** 392,00
- Ihre Materialnummer:** Z1387462
- D=10,0 mm**
- product_quantity:** 7
- product_position:** ART-NR: 621450 ; DRM 10.0
- product_article_code:** (Uncut-4X beschichtet!)
- Gesamtnettowert ohne Mwst EUR:** 392,00

Footer Instructions:

- Bitte geben Sie für Warenlieferungen die entsprechenden Zolltarifnummern mit Warenursprung / Ursprungsland für die bestellten Positionen auf allen Schriftstücken wie Auftragsbestätigung, Lieferschein und Rechnung an.
- Bitte nutzen Sie folgende Email-Adressen:
Rechnungen: invoice@norse-group.com
Materialzeugnisse: material-certificate@norse-group.com

This is your chance to showcase your AI-driven thinking—embrace the challenge, think strategically, and deliver your best work. We're eager to see what you create! ✨🎯



🚀 Task 2: Automated Order Processing Project Plan

This task requires you to develop a comprehensive project plan for implementing an automated order processing system for EcomCorp.

Key Elements to Include in Your Plan:

Objectives & KPIs

Define clear, measurable goals and key performance indicators for the automated system.

Timeline & Resources

Provide a realistic timeline and identify the necessary resources for project execution.

Phased Plan & Milestones

Detail the project phases, key milestones, and acceptance criteria for each stage.

Expectations:

- Make **reasonable assumptions** where details are sparse.
- Be **explicit about trade-offs** in your proposed solutions.
- Keep the plan **visual** and **outcome-driven**.



Task 3: Create a presentation to sell to EcomCorp

Case Study Presentation (Slide Deck)

Create your presentation as if you were selling to EcomCorp.

- Prepare a 5-10 slide presentation to showing the results for Task 1 and Task 2.
- Task 1:
 - Show why you designed your prompt the way you did.
 - What obstacles did you encounter? How did you solve them?
 - How did you use AI to complete the task?
- Task 2: Showcase your project plan



Next Steps



1 Case Study Challenge

Work on the challenge and submit it including the requested materials.

2 Case Analysis

The Beam AI team will evaluate your submission and run the prompt result. If you pass the case study we will invite you to the case presentation.

3 Case Presentation

You will present your prompt and your slide deck to the Beam Team in a 30 min call.