

Beam AI

Agentic

An abstract, three-dimensional graphic consisting of several thick, flowing ribbons in shades of blue and purple. The ribbons are intertwined and curved, creating a sense of motion and depth. They are positioned in the lower half of the frame, partially overlapping the text and the dark background.

Beam AI

Building the future of enterprise
automation with AI agents

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

Founded: 2022

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

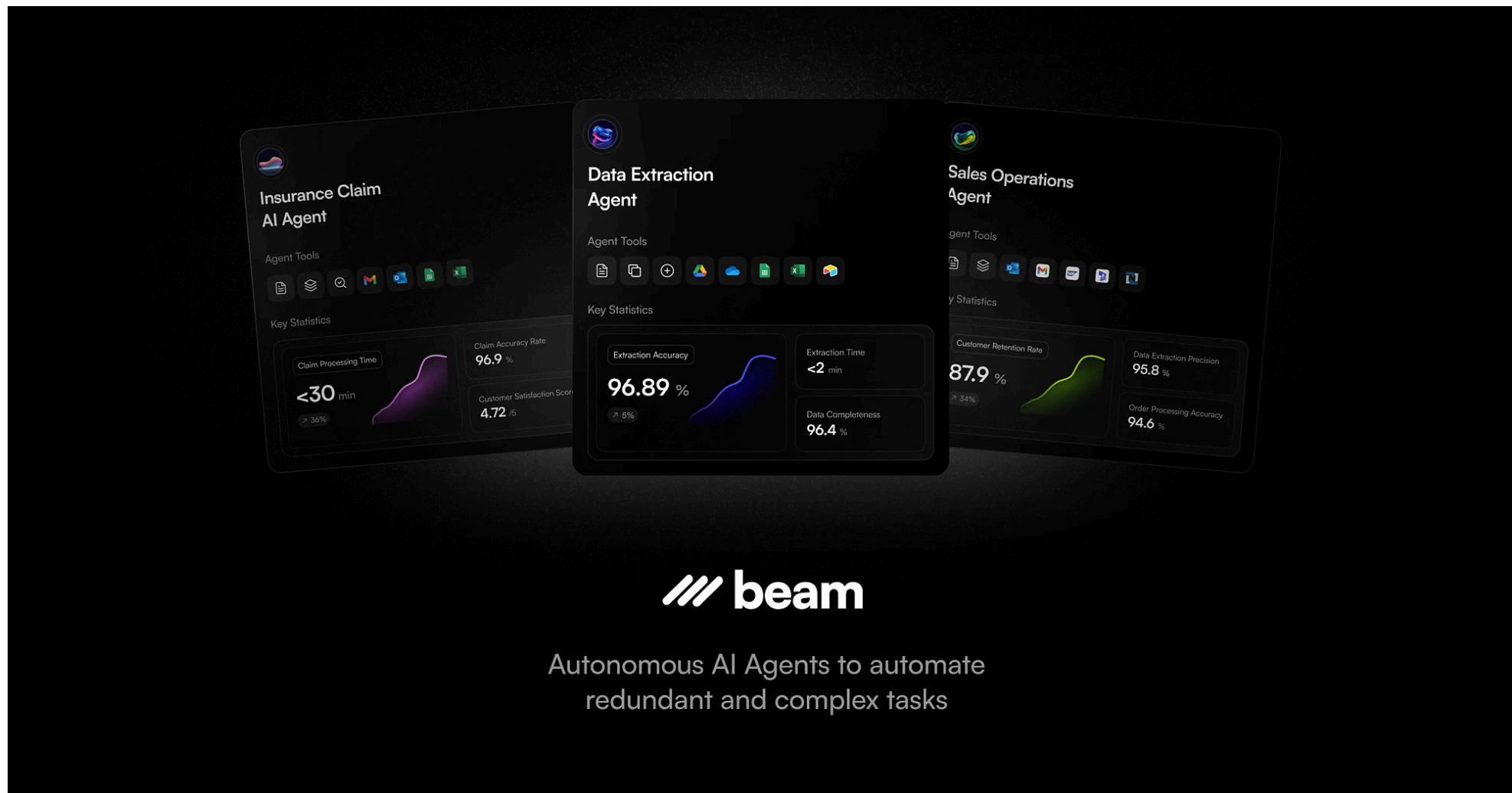
Employees: 45 (+>150 AI Agents)

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

beam.ai



Who We Are?



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

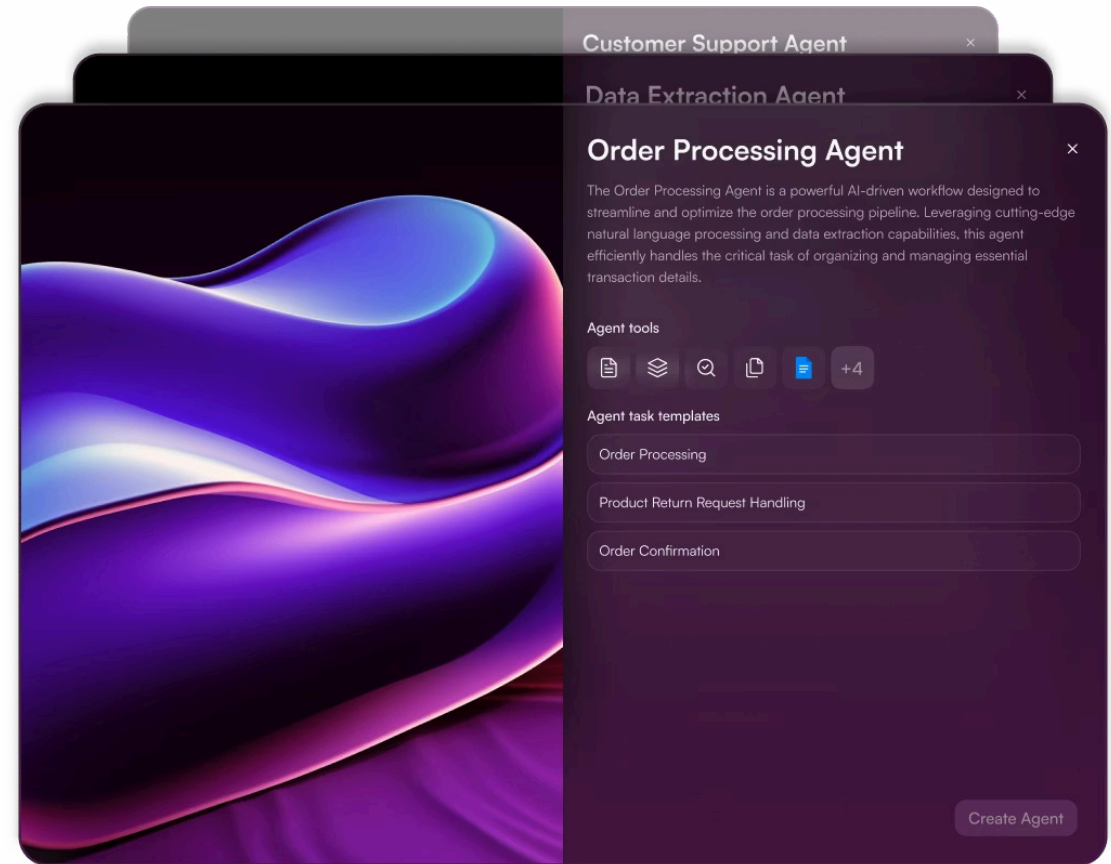
Your goal is to win EcomCorp through a convincing presentation:

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.

Table

Input Document Files

Input Emails

Expected Output to be Extracted based on each case

Test Dataset

#	Sales Receipt	Sales Email	Expected Output
1	NORSE-tech-GmB...	Von: Felix Hammerstein fhammerst	Buyer: • buyer_company_name: NORSE Tech and Innovation I
2	Technovac-GmbH....	Von: Lena Hoffmeister lhoffmeister	Buyer: • buyer_company_name: TECHNOVAC Systems GmbH
3	Hofbauer-Eng-Gm...	Von: Matthias Greiner mgreiner@h	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_p
5	Möller-Industrial-...	Von: Weiss, Lennart lweiss@moeller	Buyer: • buyer_company_name: Möller Industrial Tools GmbH
6	Weber-Tools-Gmb...	Von: Hartmann, Nico nhartmann@v	Buyer: • buyer_company_name: Weber Tools GmbH • buyer_p
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,
9	BauerTech-GmbH....	Von: Lehmann, Sophie slehmann@l	Buyer: • buyer_company_name: BauerTech GmbH • buyer_per
10	Steinbach-GmbH....	Von: Einkauf einkauf@steinbach-pr	Buyer: • buyer_company_name: Steinbach Precision GmbH &

+ New page

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		buyer_company_name
NORSE Im Gewerbepark 21 D-48157 Münster Germany		delivery_address_street delivery_address_postal_code delivery_address_city
Firma Anhalt GmbH Aleoger-Gurz-Schleyer-Strasse 18b 47861 Rutgers		
BESTELLUNG 4701865321		order_number
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	Kundennummer 27036 Ihr Sachbearbeiter Herr Ohlig Telefon 02154/48786-0 Ihre Faxnummer 02154/48786-33	order_date Liefertermin Tag 20.11.2024
		buyer_person_name
		buyer_email_address
Hiermit bestellen wir zu unseren allgemeinen Beschaffungsbedingungen. Diese finden Sie auf unserer Homepage unter: www.norse-group.com/terms Zahlungsbed.: innerhalb von 14 Tagen 2 % Skonto innerhalb von 30 Tagen ohne Abzug Für die folgenden Positionen erwarten wir Ihre Auftragsbestätigung mit genauer Terminangabe		
Währung: EUR		
Pos	MatNr	Bezeichnung
15	60860	Fraeser HSS Ø10mm SL22mm 621450 Anhalt
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		7 Stück 78,40 392,00
		Ihre Materialnummer: Z1387462
		D=10,0 mm
		ART-NR: 621450 ; DRM 10,0
		(Unicut-4X beschichtet!)
		Gesamtnettowert ohne Mwst EUR 392,00
		product_position product_article_code product_quantity
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.