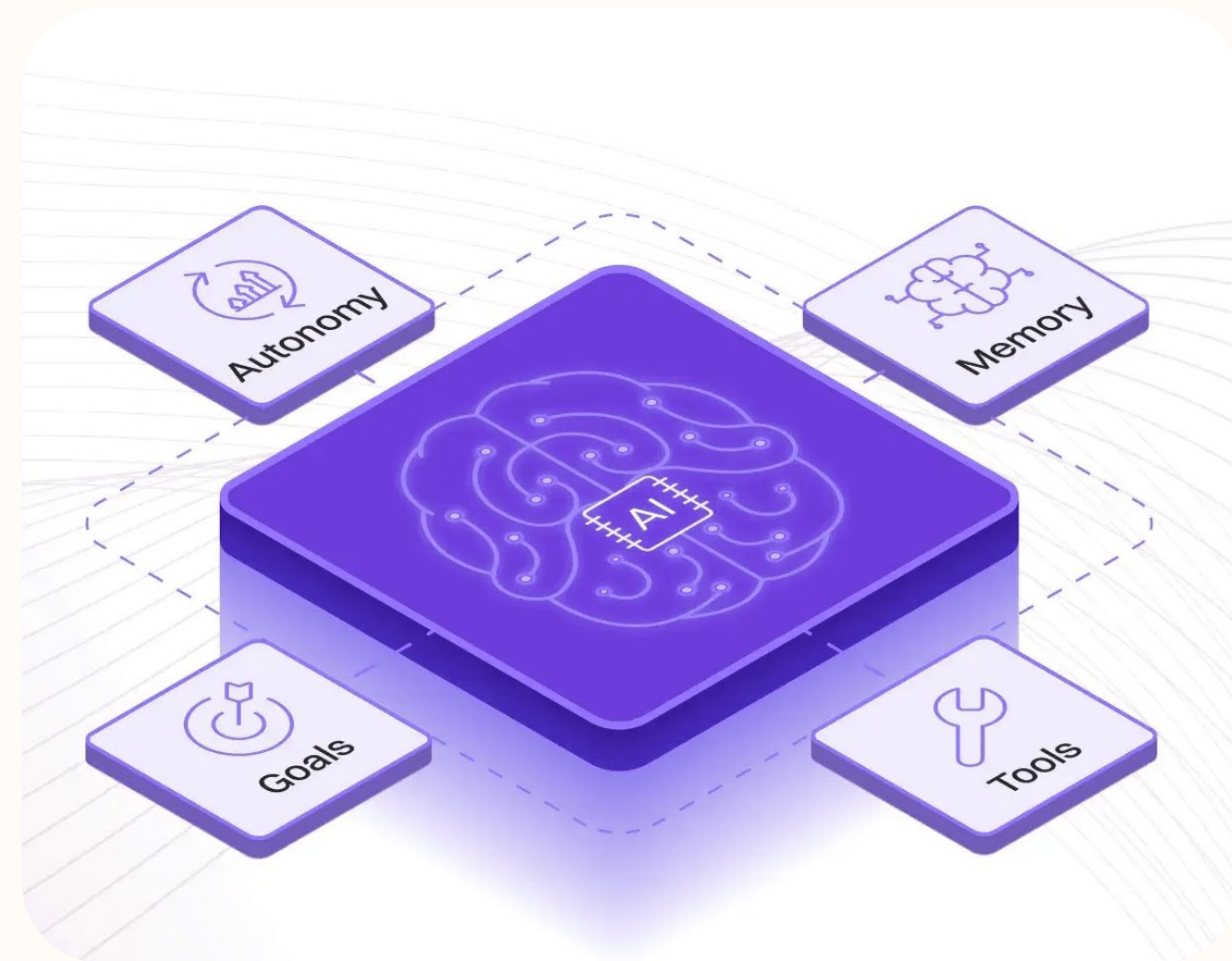


Agentic AI For Logistics

Empowering Complex Operations



Patrick Gebert
Data Scientist - ETECTURE



AI Agents in Action

500%

More tender contracts
reviewed daily
by the team

With a semi - automatic workflow driven by an AI agent, the Mosolf internal sales team can review 500% more tender documents each day.



Chatting with AI assistants is fascinating & promising ...

... but out-of-the-box LLMs are missing some essential parts:

- × no domain specific knowledge
- × no tools trigger actions
- × no tools to execute background tasks
- × limited in planning and goal -orientation

Challenging business tasks demand more advanced skill sets.

This car is damaged – can you send a mail to the client?

I can't directly send emails for you. I'm an AI assistant, and I don't have access to your email account or personal information.



What if an AI agent could actively solve your problem?

Rather than having a passive AI assistant, we should enable a large language model (LLM) to function as an active AI agent capable of

- Accessing specialized knowledge
- Formulating problem - solving strategies
- Executing those strategies independently
- Initiating real - world actions

This car is damaged – can you send a mail to the client?

Yes – the client was informed about the delay.
When shall I schedule a repair appointment?



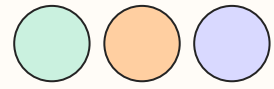
Tomorrow afternoon

The repair shop was contacted.





How can we empower LLMs to handle complex business tasks?



Overview



1. Agentic AI

- Current GenAI
- Agent
- Agent based Workflows
- Agentic AI



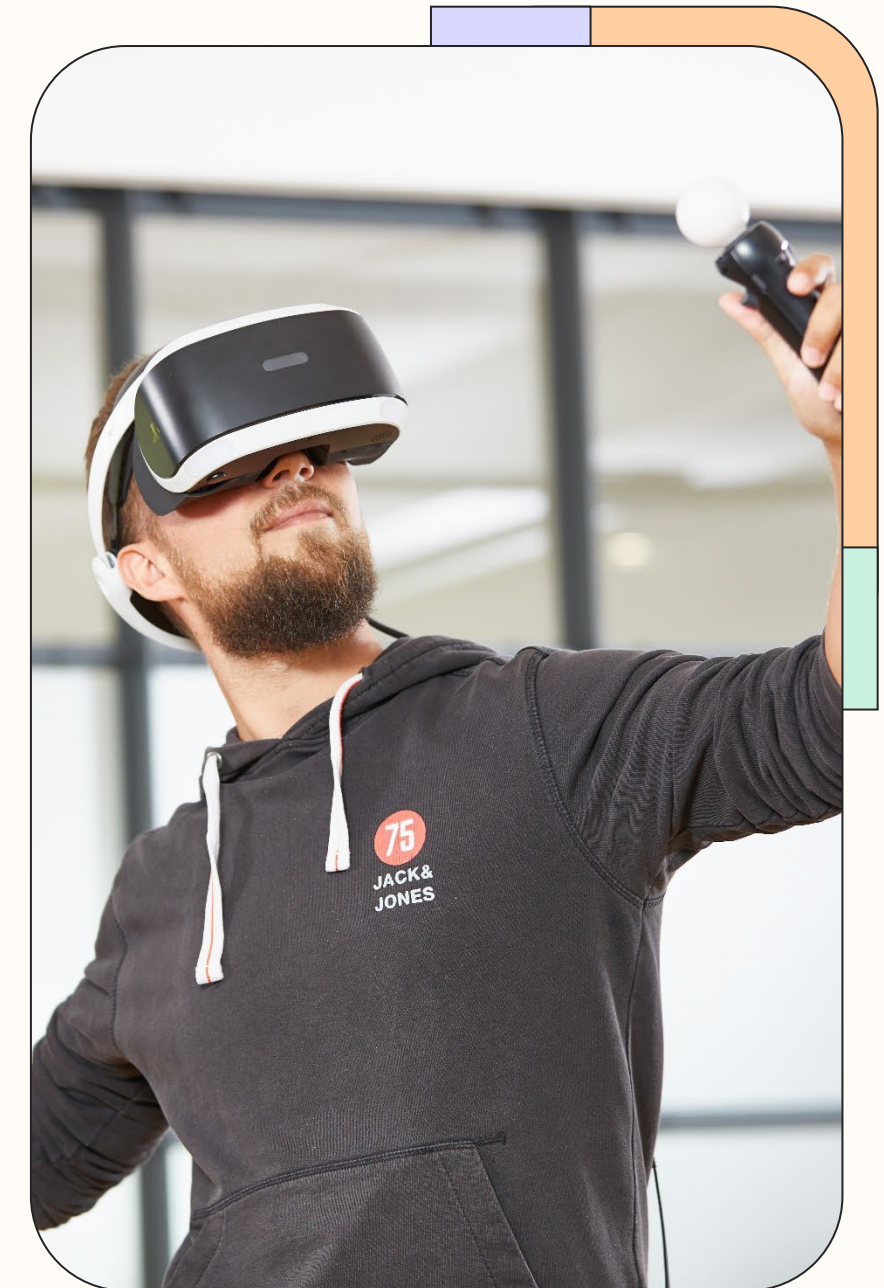
2. Use Cases

- Document Comparison
- Claim Management
- Fleet Management



3. Next steps

- How to get started
- Next steps



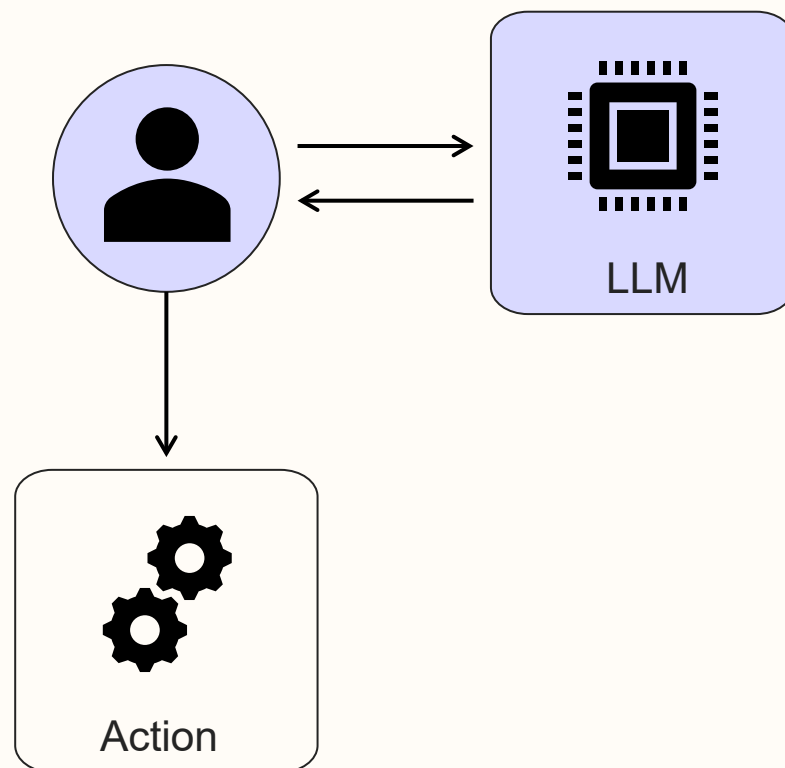


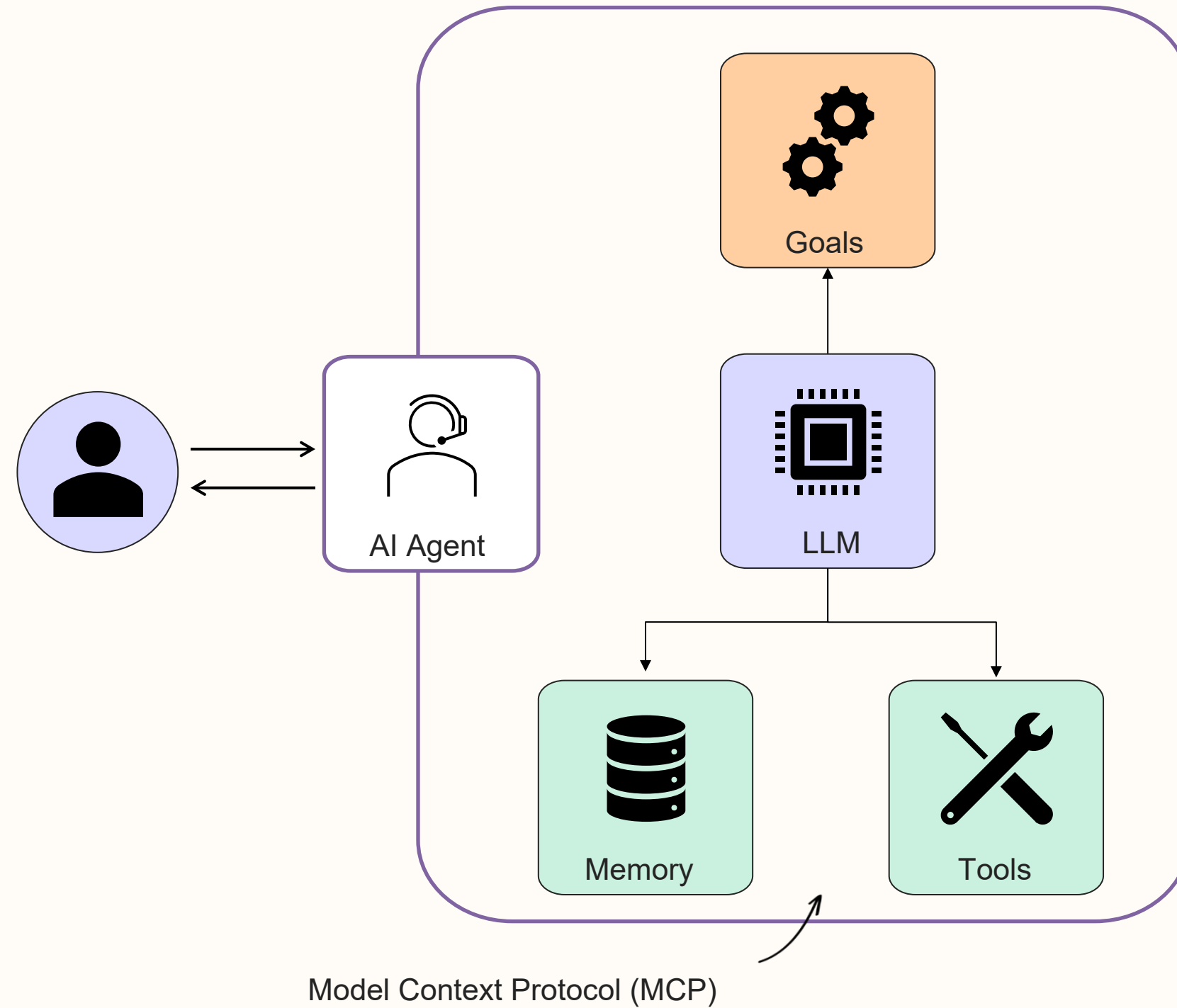
Current GenAI

Current AI assistants like ChatGPT are **reactive** :

- AI misses specific knowledge
- User must control and prompt AI repeatedly
- User must take action
- AI does not learn from interaction

AI supports, but user must handle complex business operation.



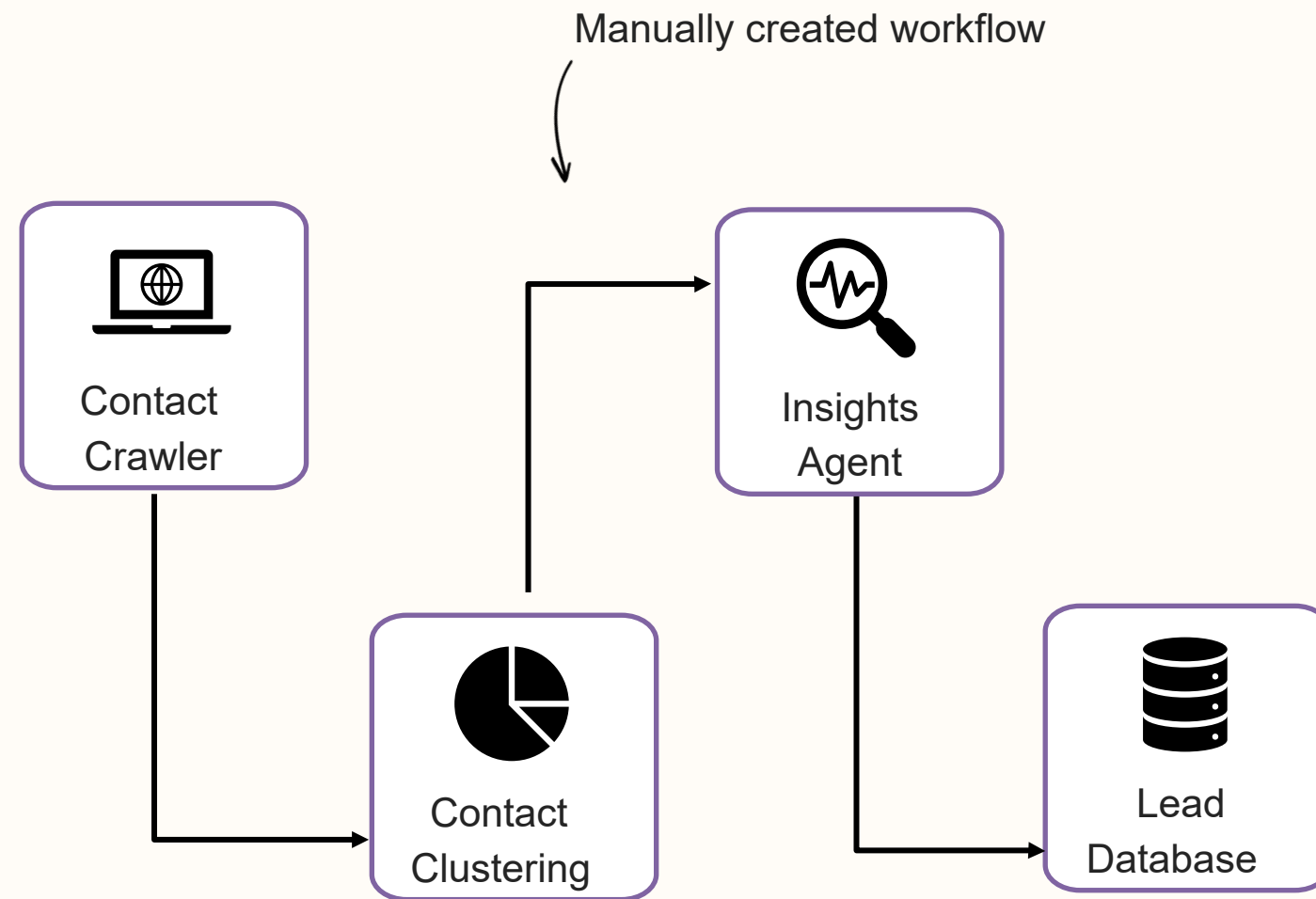


AI Agent

AI Agents are active:

- Has access to knowledge resources (e.g. vector database)
- Can use tools (e.g. applications)
- Can execute actions via tools
- Learns from interaction (updates data and model)

User instructs AI Agent and the agent develops and executes a plan to solve the request.

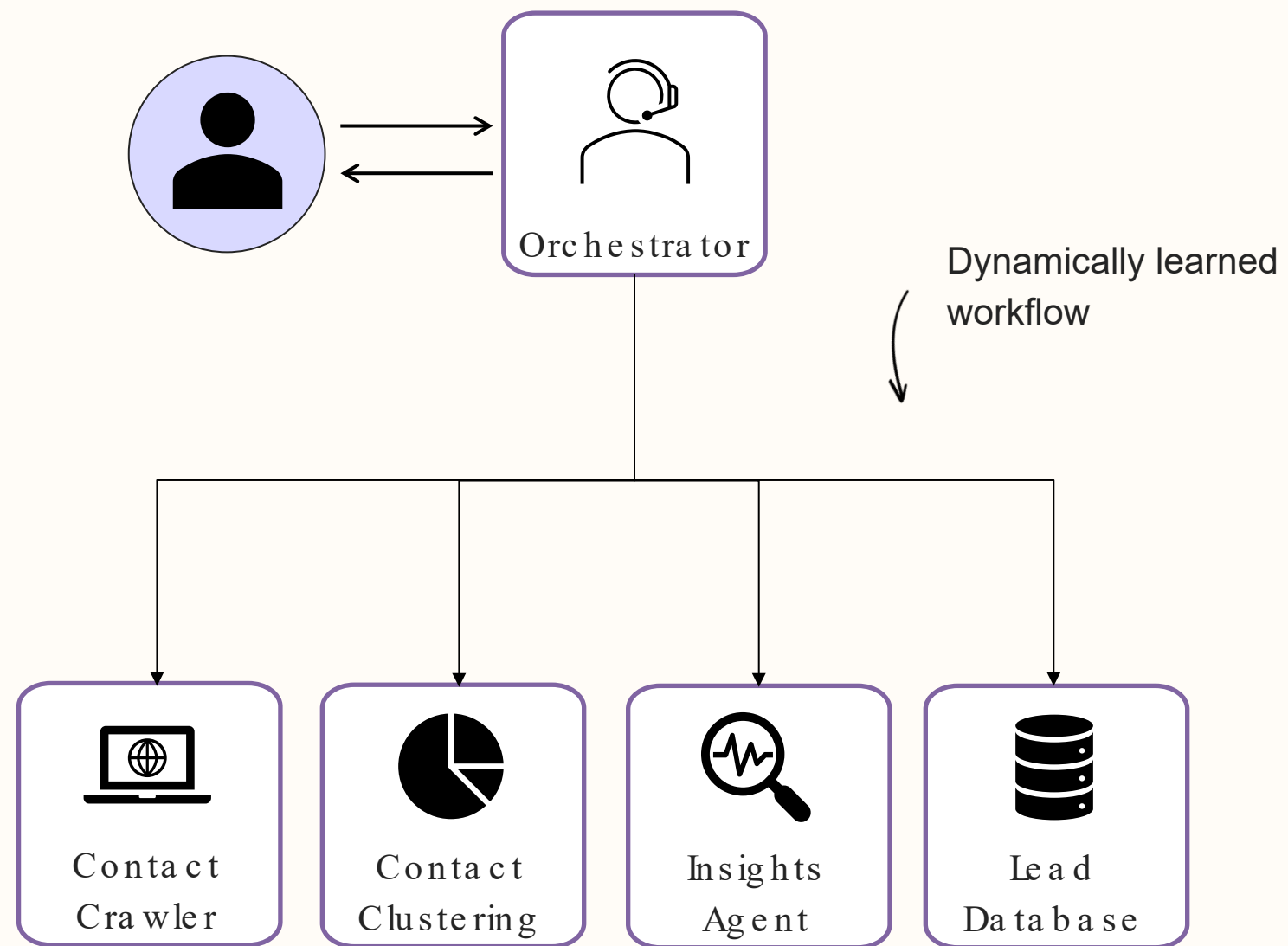


AI Agent based Workflows

AI Agents serve a single purpose. The Agents can be connected manually in workflows where each Agent takes the result of the predecessor as input.

This workflows are

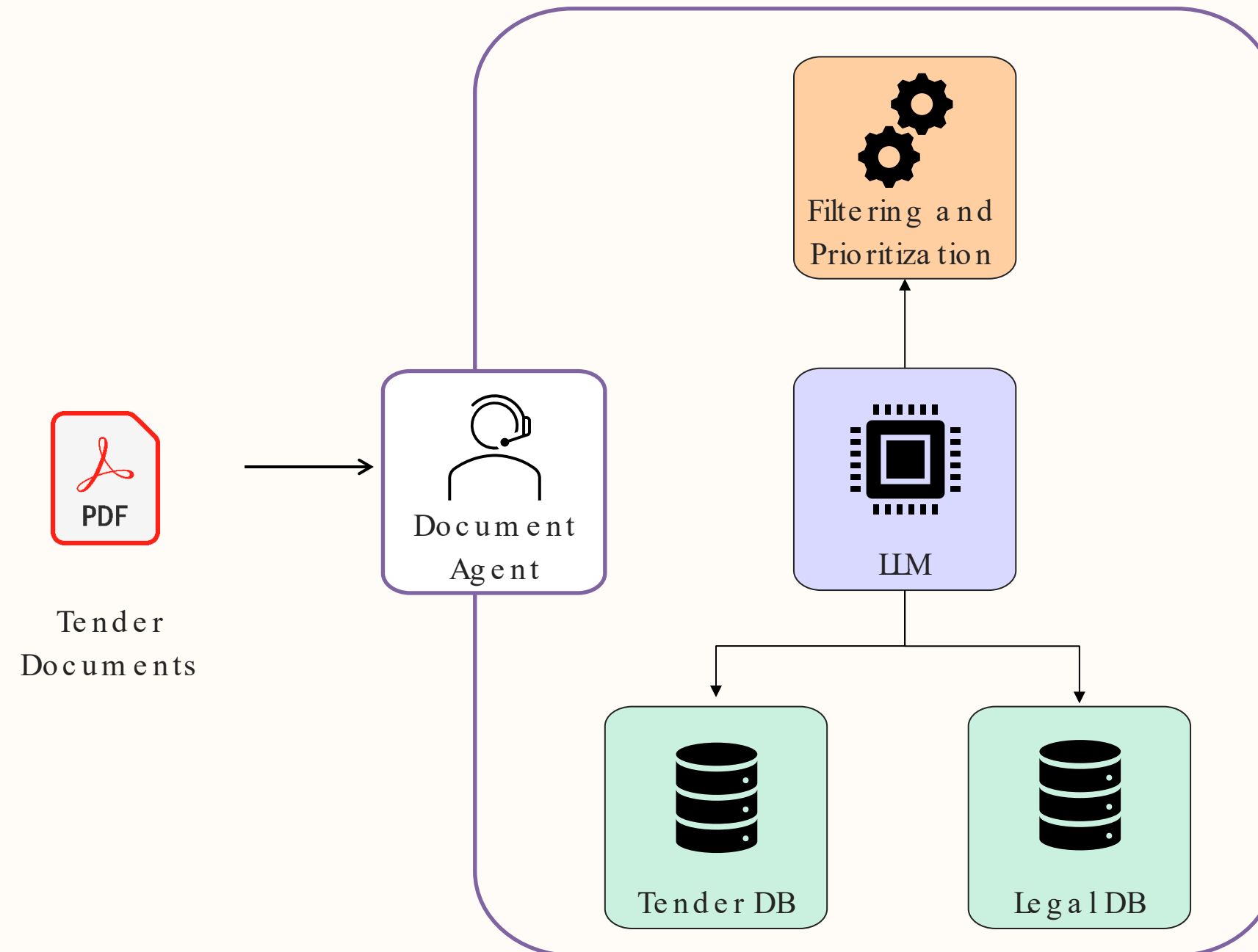
- A lot of initial work to create
- Very unflexible and unrobust
- Hard to maintain



Agentic AI: Orchestration of Agents

Instead of defining the workflow manually, we can use an AI Agent to orchestrate the workload between the available specialized AI Agents to solve the requested task.

This extends the idea of an autonomous, goal-oriented AI Agent as well as the idea of providing tools and knowledge to an Agent.

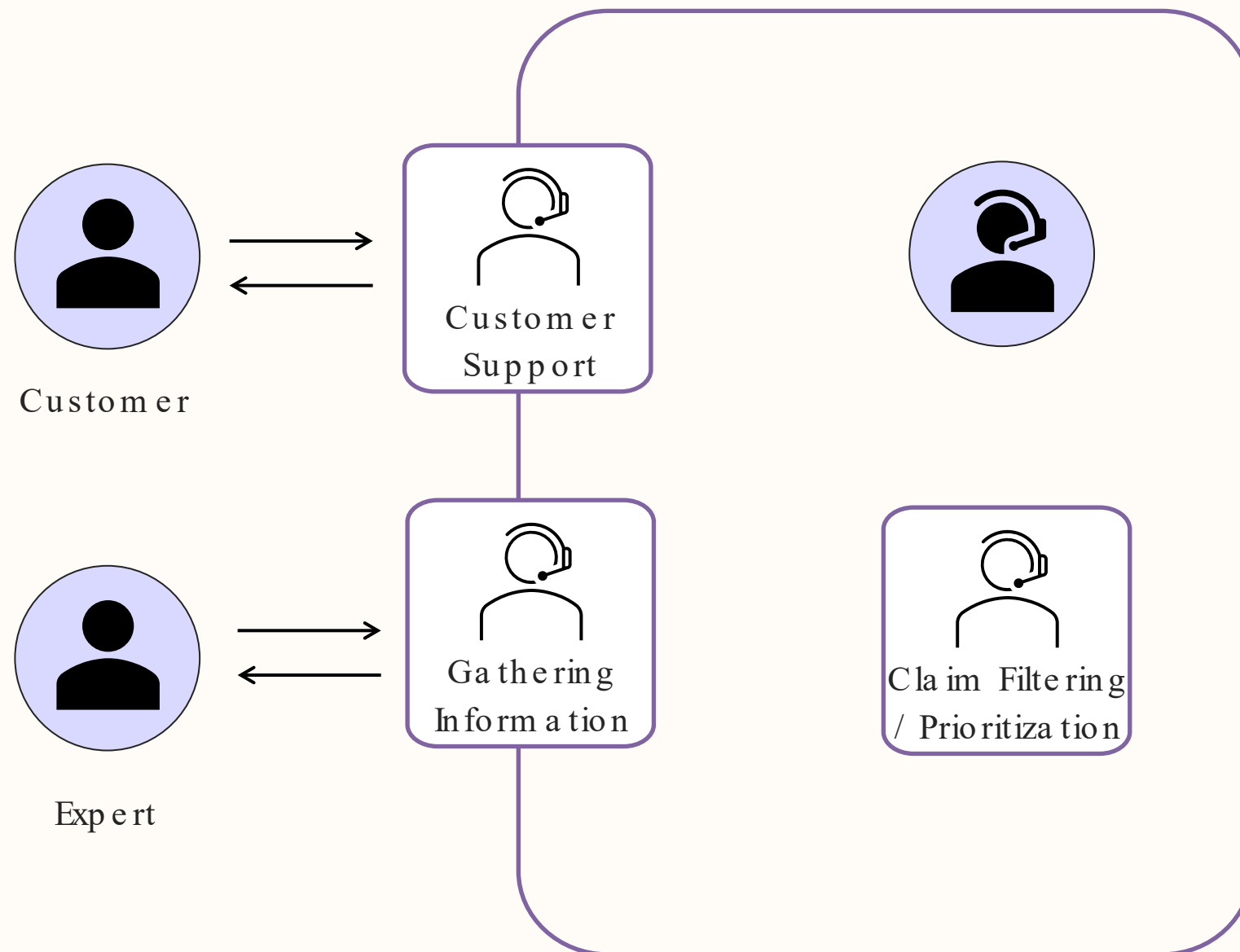


Use Case 1: Document Comparison

Comparison and analysis of incoming tender documents to decide which are processed further.

“Allows a team of three persons to process more than 50 contracts a day”

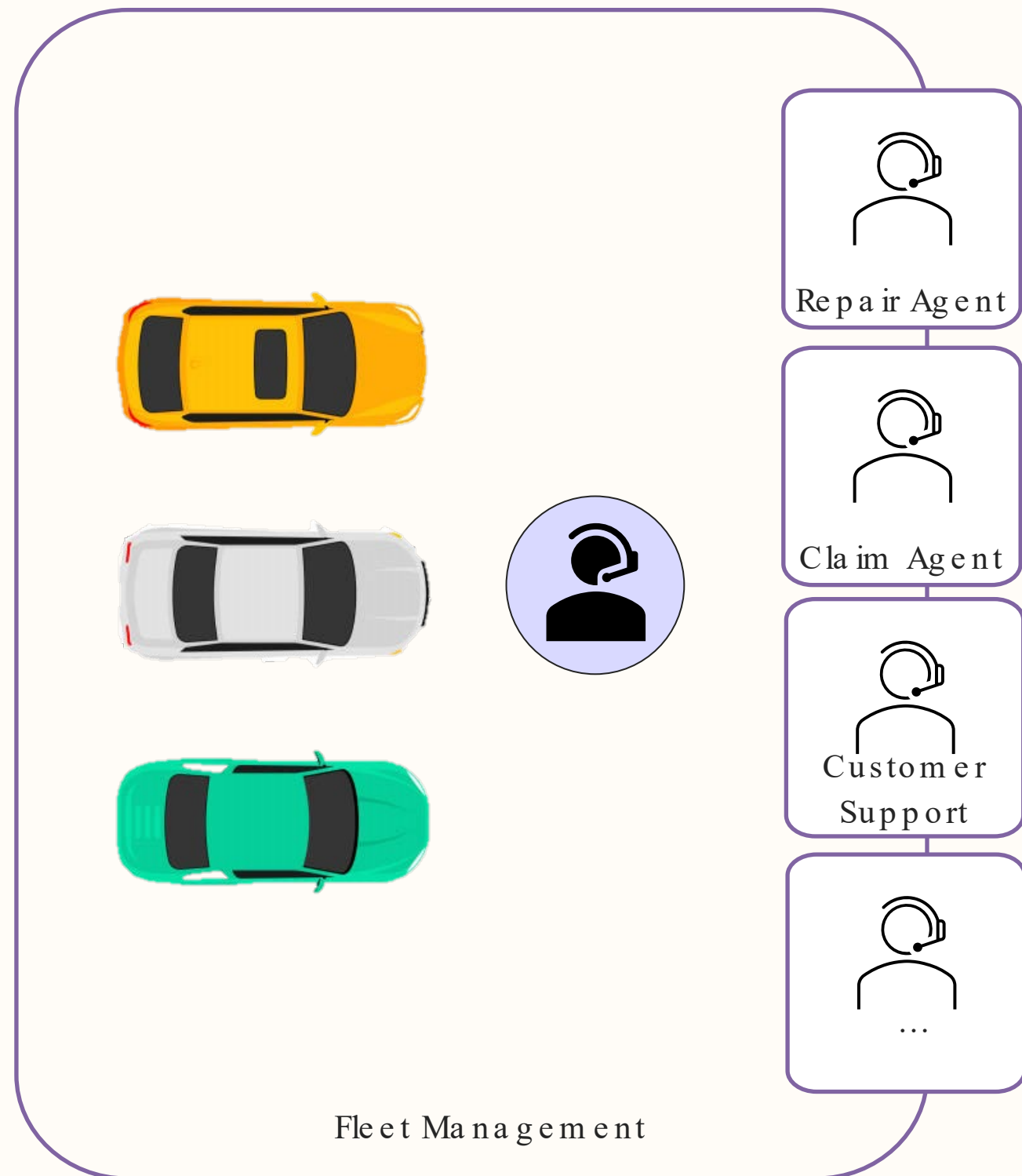




Use Case 2: Claim Management

Enriching the functionality of a claim management software to handle claims more efficiently and minimize the communication overhead.

The goal is to reduce the manual effort in claim handling and reduce costs.



Use Case 3: Fleet Management

Empowering complex operations which require dynamic communication and asynchronous actions.

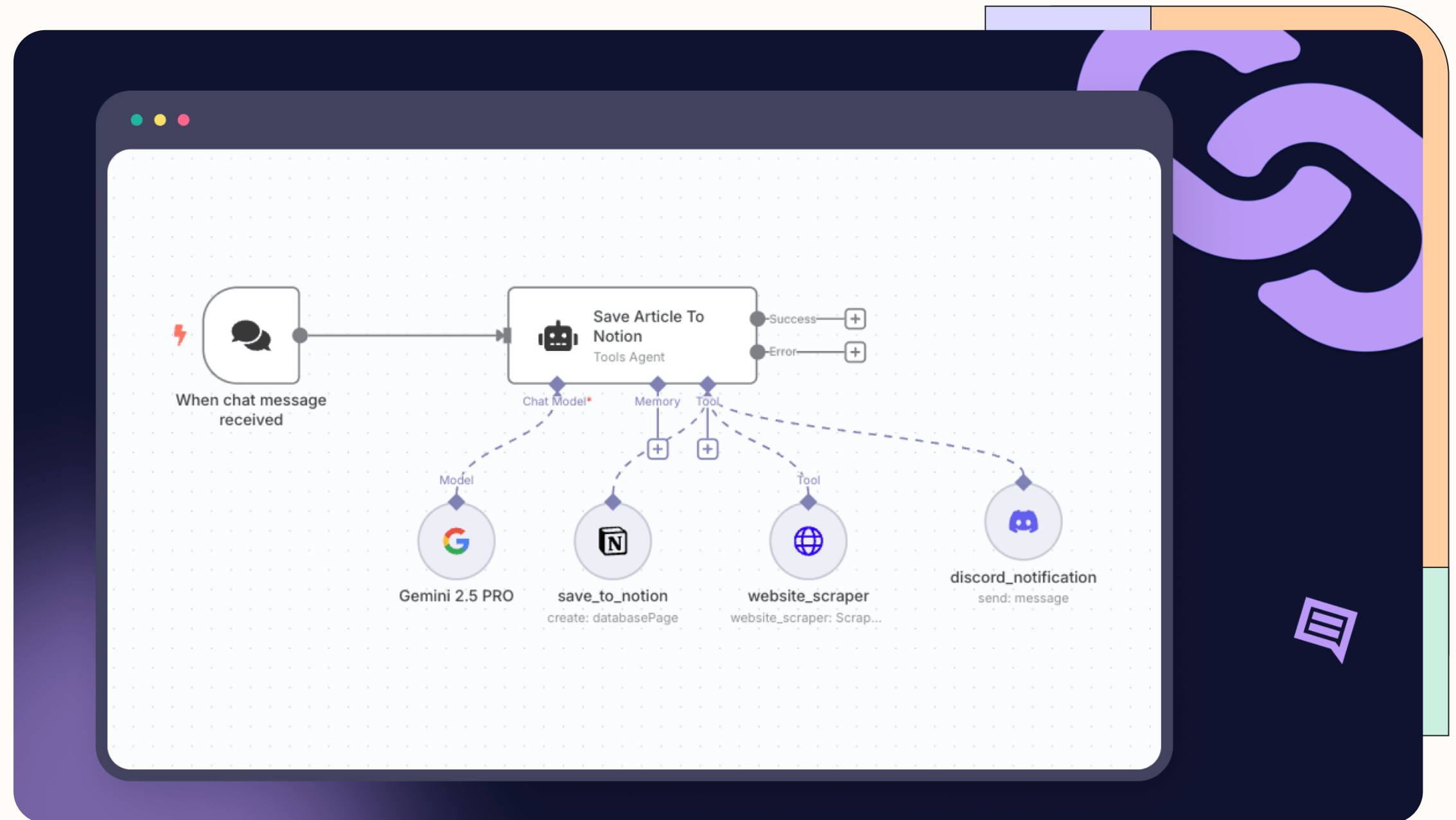
The aim is to minimize the workforce required for managing the fleet.

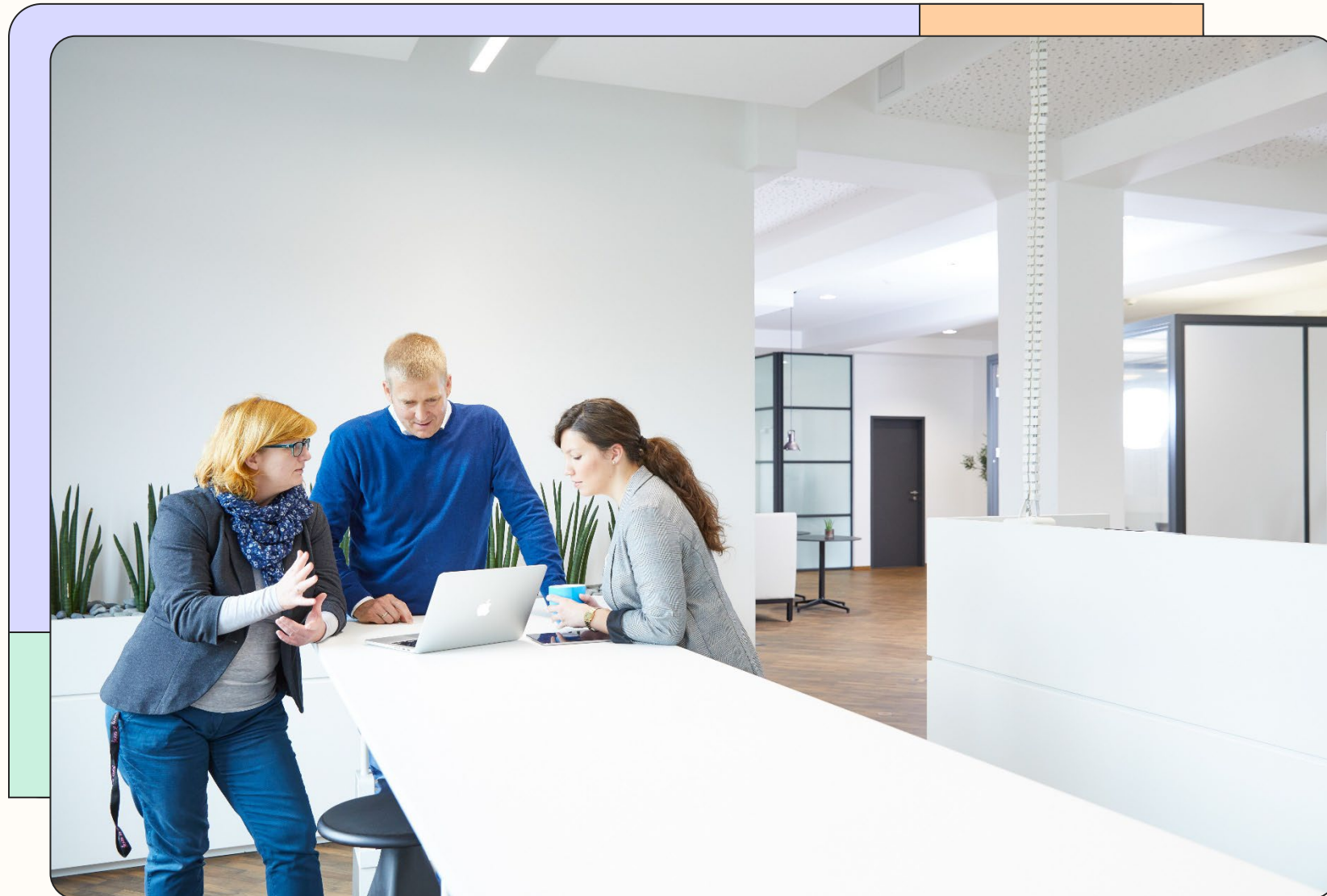


How to get started

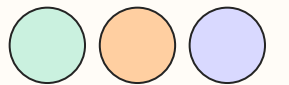
Create your first AI agent workflow via drag and drop:

- n8n.io
- Windmill.dev
- Make.com





Next steps



Ideation Workshop: a lean workshop to identify AI potentials, understand the problems and brainstorm possible solutions.

Tech Deep Dive: tackle a specific problem with a fast and cost efficient proof of concept.

Thank You

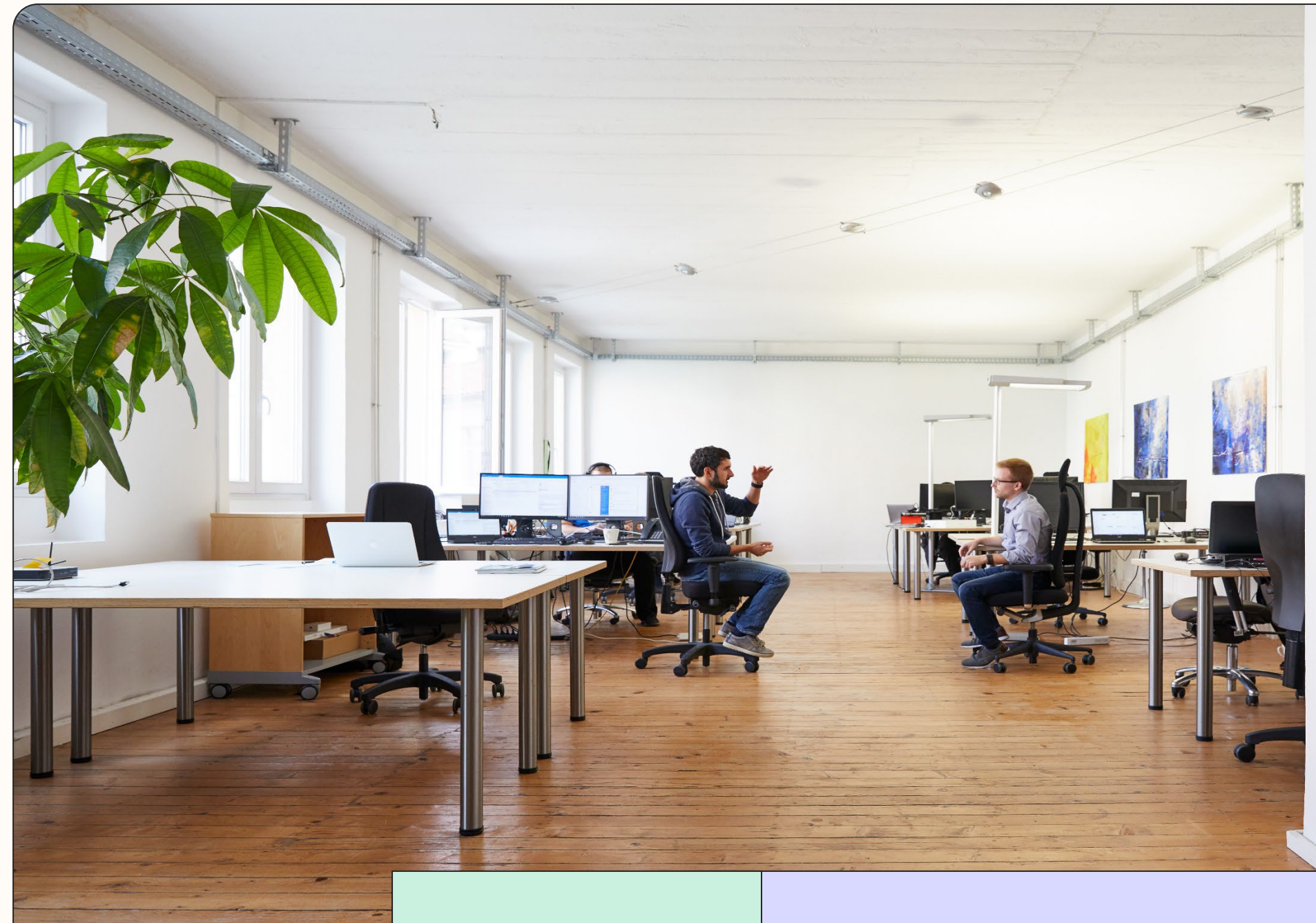


Simply Put, We Are Available to Assist You

We at ETECTURE are good in solving complex problems, digitalization of large companies and finding new innovative solutions.



Patrick Gebert
Data Scientist - ETECTURE



Amalienbadstraße 41c, 76227 Karlsruhe, Germany



www.etecture.de



+49 69 247510 - 100