

# OAK: Onboarding with Actionable Knowledge

*Turning operators experience into actionable knowledge*

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**Industrie**  
**:: 2025**

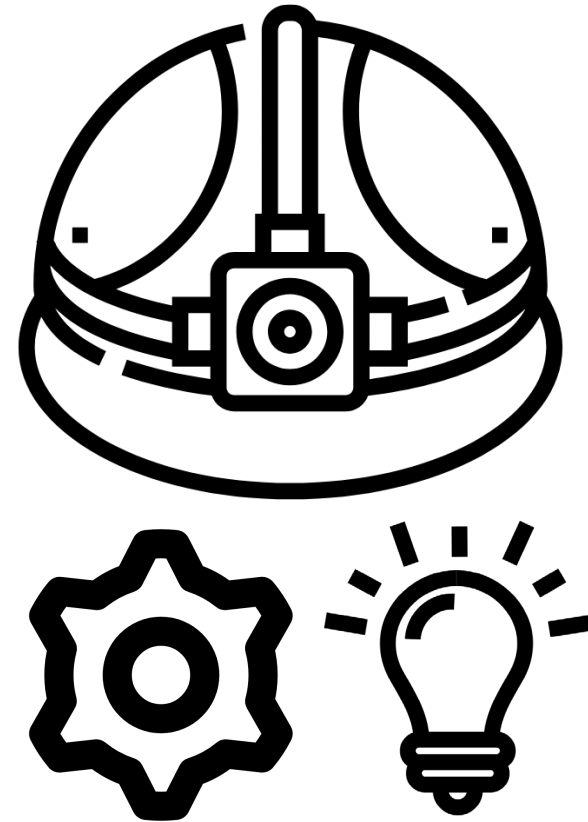
# The problem

“Employees recruited 3 months ago train employees recruited 3 weeks ago”

# The question



**Is it possible to collect, store,  
and query Operators' know-  
how?**



# The question(s)



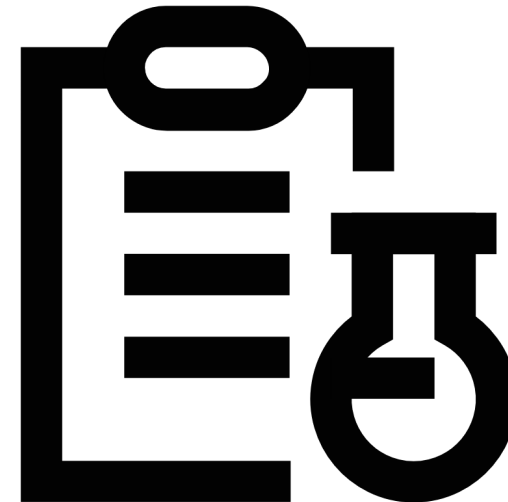
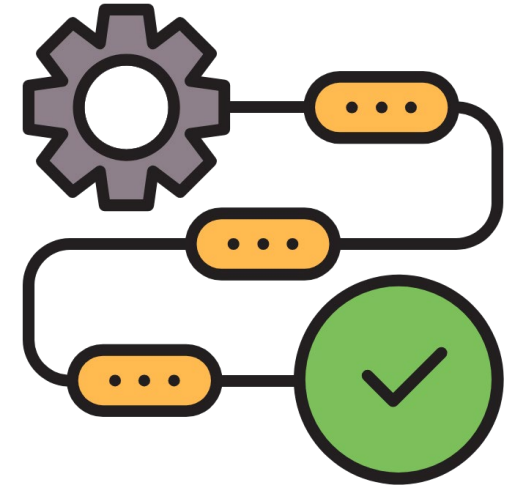
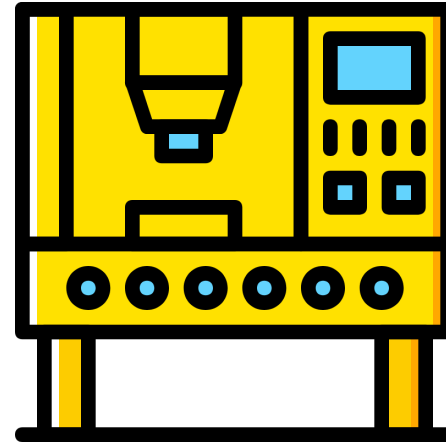
**What is the know-how of an operator?**

The knowledge of a machine...

... a process ...

... a methodology...

...?

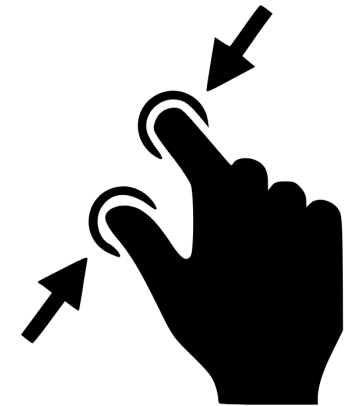
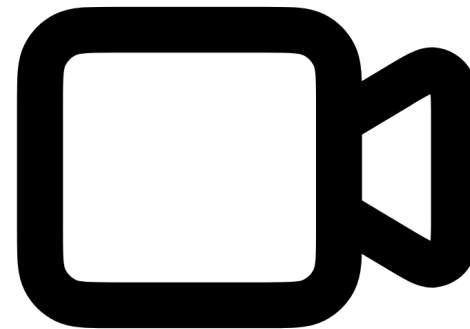
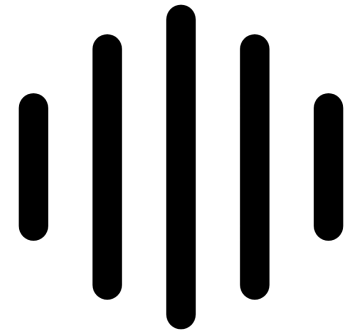


# The questions

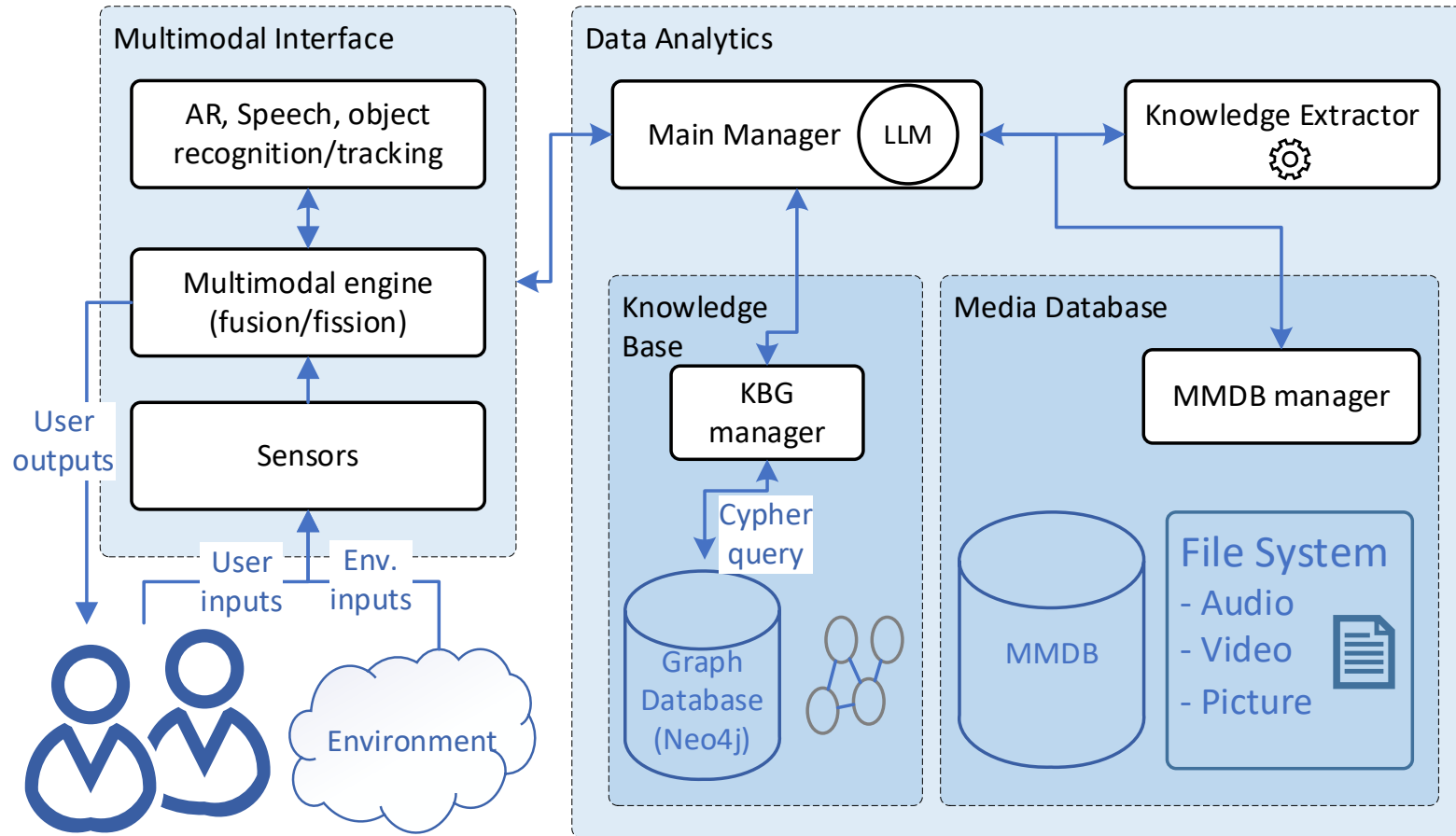


**How to describe it efficiently?**

- Text?
- Audio?
- Video?
- ...
- Gestures?

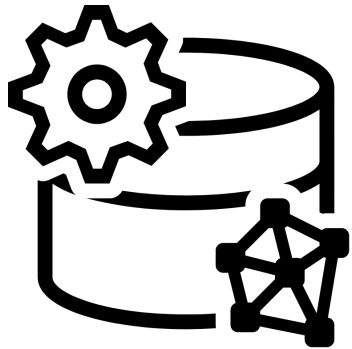


# Our proposition



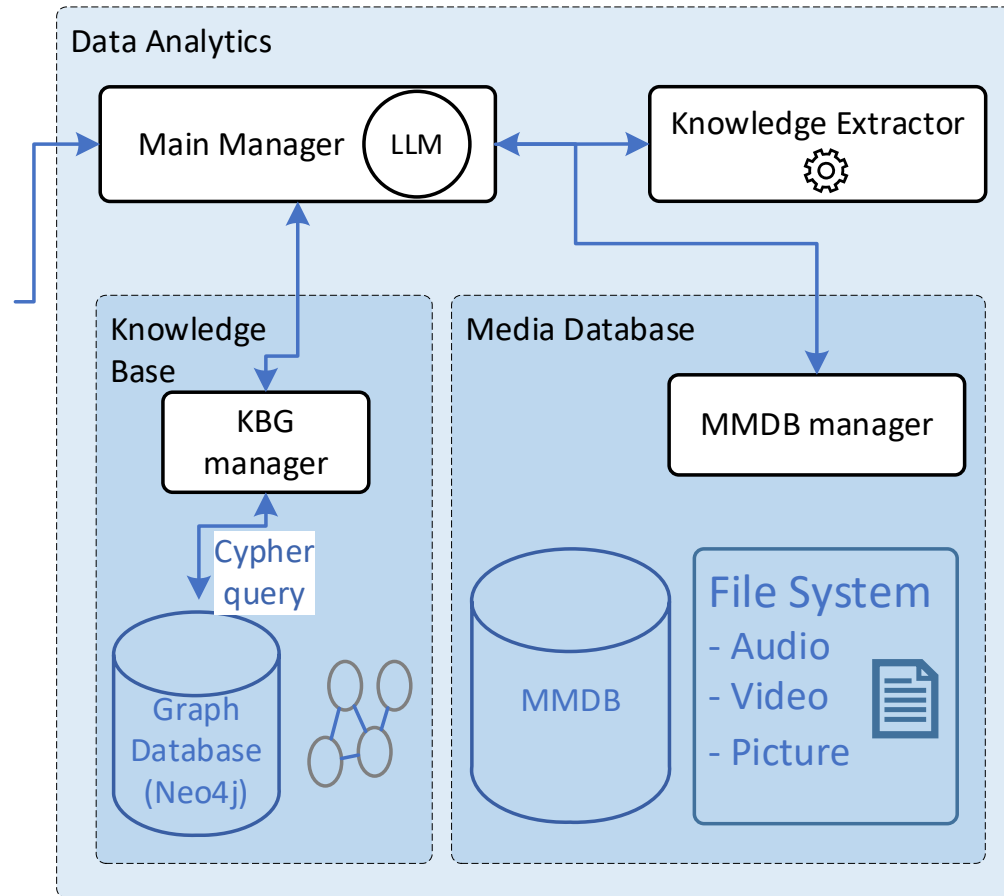
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# Our proposition: Data analytics



Knowledge Graph  
(Embedding)

Retrieval-  
augmented  
generation  
(RAG)

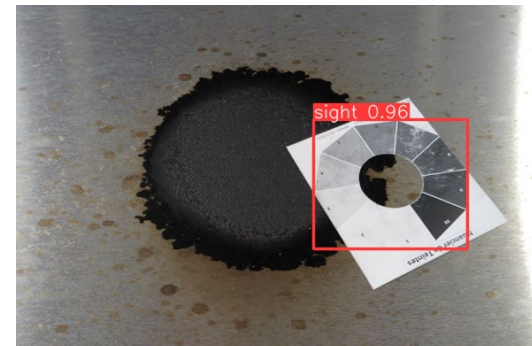
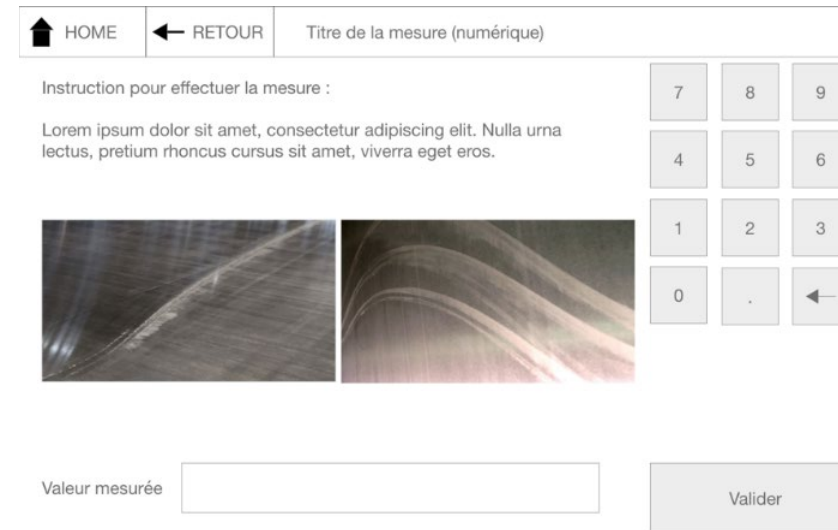
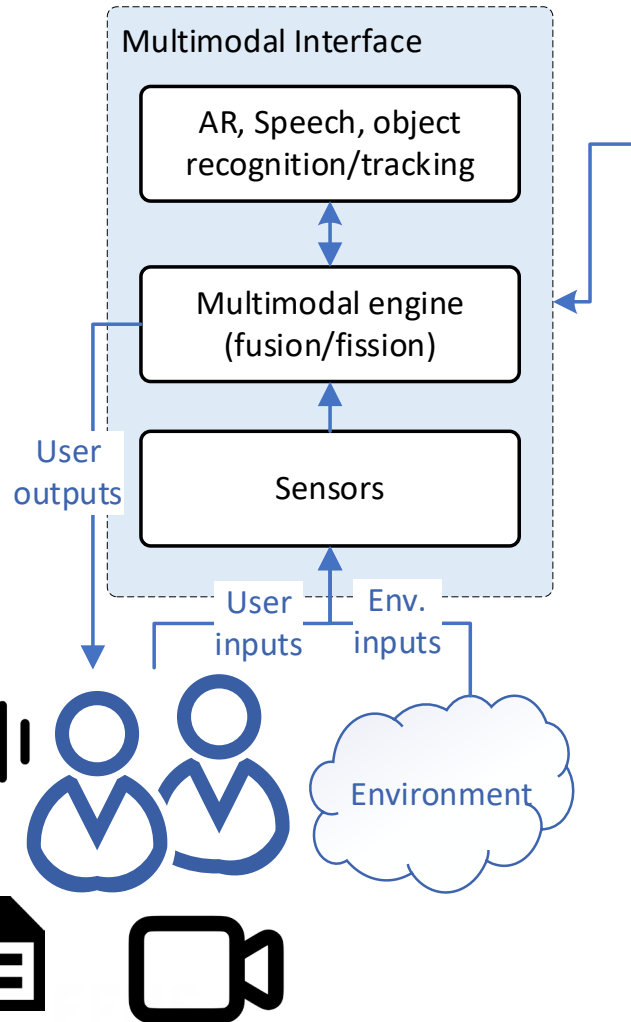


OAK Tutor

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# Our proposition: multimodal interface

## Proof-Of-Concept

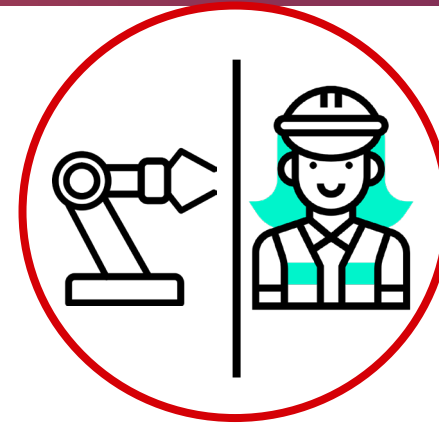




# What's next?

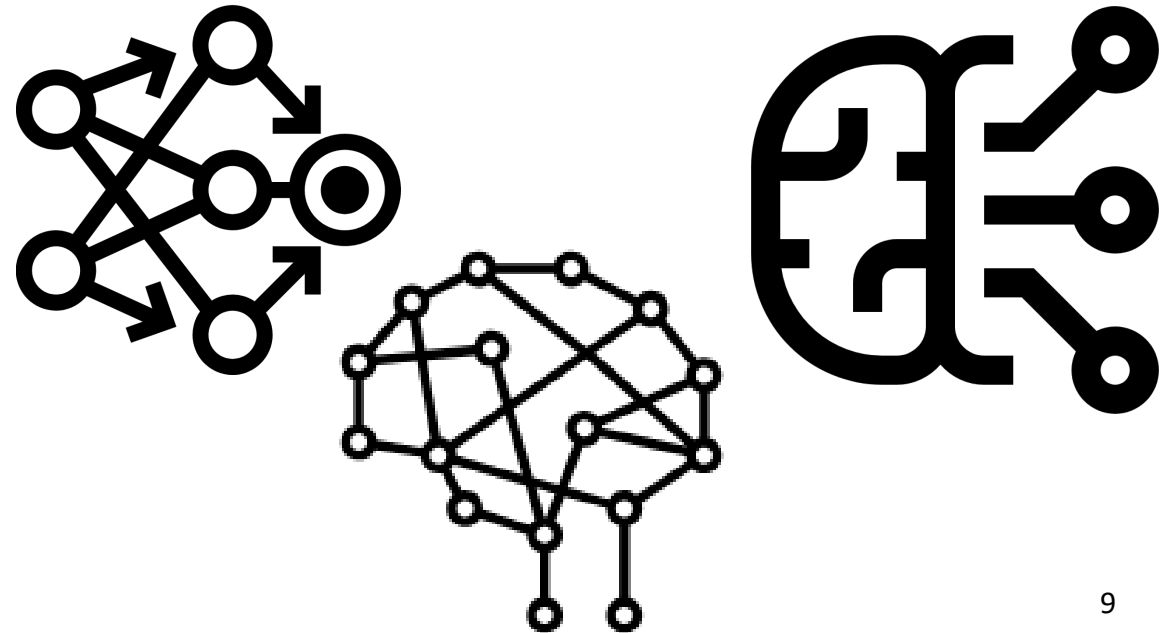
## Usability study

- Multimodal interface
  - Augmented reality
  - Object tracking



## Approaches and models comparison

- Data analytics
  - Relevance
  - Computational resources
  - Data security
  - Multilanguage



# Questions? Contact me!

## Me



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## The project & the team



<https://oak.spl.humantech.institute/>  
<https://oak.spl.humantech.institute/team/>

## The partners

