18-06-2025

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&
Data Science Consultant

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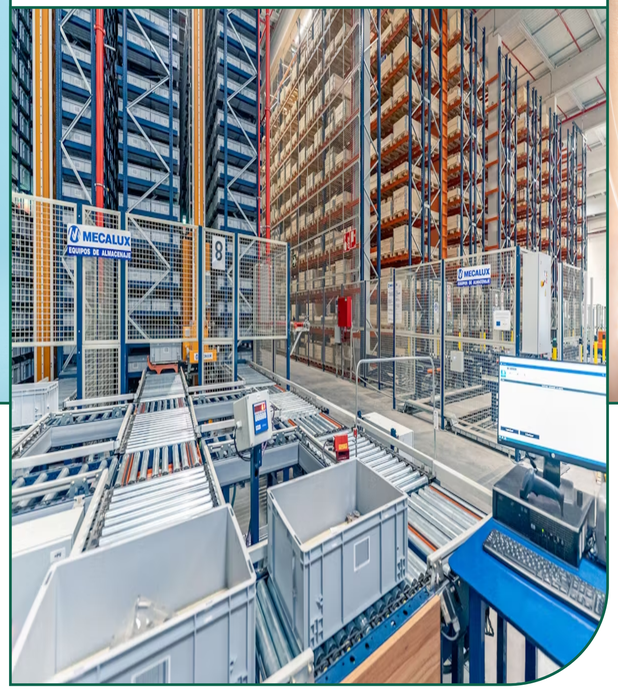
Domains AI

Natural Language Processing

Convert text into insights for better decision-making and more efficient processes.

Determine the most efficient way to maximize performance and minimize costs.

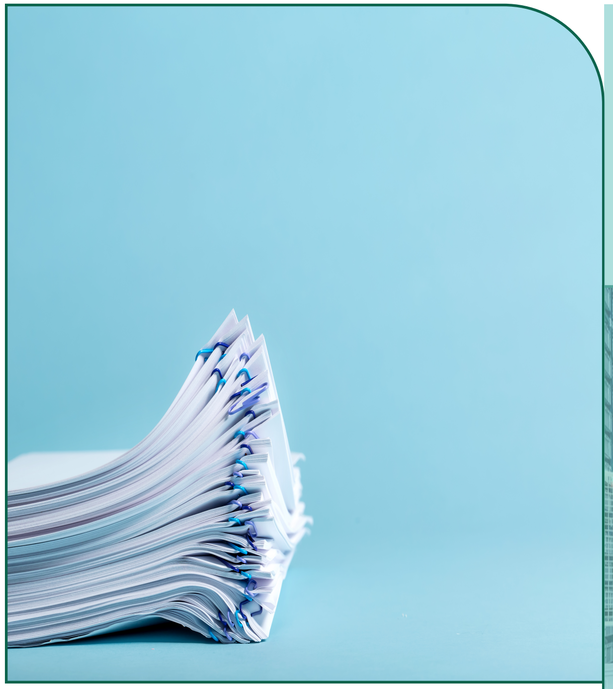
Optimization



Computer Vision

Extract valuable information from images to act faster and smarter.

Domains AI



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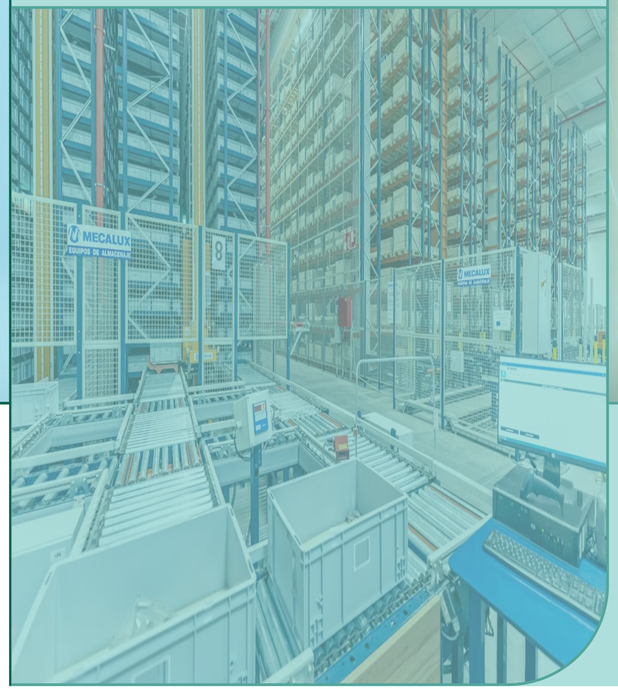

Computer Vision

Extract valuable information from images to act faster and smarter.

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thb verhoef
diesel/gas/hydrogen engine components

Use case:

Email handling

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diesel/gas/hydrogen engine components

Email handling

The Case:

The sales department processes many emails per day. There is no standard procedure or prioritization of the processing of emails.

Bottlenecks:

- **No overview** of current activities
- Important orders are **missed** or end up at the bottom of the pile
- Employees spend a lot of **unnecessary time** searching through their mailbox

Search

File Home Send / Receive View Help

Coming Soon Try it now Off

Send/Receive All Folders | Send All | Update Folder | Send/Receive Groups | Show Progress | Cancel All | Work Offline | ...

Favorites
- Inbox
- Sent Items
- Drafts

Postvak IN 765
- 1. Orders
- 2. Rederijen
  - 2A. Rederijen (Wartsila)
  - 2B. Rederijen (MAK)
  - 2C. Rederijen (MAN)
  - 2D. Rederijen (Himsen)
- 3. Powerplants
- 4. Reparatie
- 5. Handelaren
  - 5A. Handelaren (Wartsila)
  - 5B. Handelaren (MAK)
  - 5C. Handelaren (MAN)
  - 5D. Handelaren (Himsen)
- 6. Aanvragen (Ongecategoriseerd)
- 7. Overig
- 7R. Antwoorden
- 8. Morgia
- 9. India
- E. Sorteerfouten

Postvak IN — By Date

Older

25/07/2023 — Hello, enclosed you will find the delivery notes of todays

24/07/2023 — Thanks for the quote, please confirm with our

24/07/2023 — Goedemiddag Hierbij willen we graag bijgaande items

24/07/2023 — Please find attached enquiry. Mit freundlichen Grüßen / Best

18/07/2023

17/07/2023

14/07/2023 — Attached for you our PO. Please note that this will

14/07/2023 — Can we please order the bearing as per your

12/07/2023 — Vrijdag is goed. Koffie staat klaar Met

10/07/2023

10/07/2023 — Please find attached PDF-document Mit freundlichen Grüßen

05/07/2023

delivery notes of todays loading -

G

To

Reply | Reply All | Forward

Tue 25/07/2023 23:56

Start your reply all with: Got it, thank you. | Received, thank you. | Thank you! | Feedback

Hello, enclosed you will find the delivery notes of todays loading.

00:00:00.00
hr min sec

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Items: 765 Unread: 765

All folders are up to date. Connected to: Microsoft Exchange

100%

Search

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Send/Receive All Folders | Send All | Update Folder | Send/Receive Groups | Show Progress | Cancel All | Work Offline | ...

Favorites
Inbox
Sent Items
Drafts

Postvak IN 765
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7R. Antwoorden
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E. Sorteerfouten

Postvak IN By Date

Older

[redacted] 25/07/2023
Hello, enclosed you will find the delivery notes of todays

[redacted] 24/07/2023
Thanks for the quote, please confirm with our

[redacted] 24/07/2023
Goedemiddag Hierbij willen we graag bijgaande items

[redacted] 24/07/2023
Please find attached enquiry. Mit freundlichen Grüßen / Best

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delivery notes of todays loading - [redacted]

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100%

Search

File Home Send / Receive View Help

Coming Soon Try it now Off

New Email | Share to Teams | Onbelangrijk | Unread/ Read | Search People | Save Attachments | Viva Insights | Show Taskpane

Favorites
Inbox
Sent Items
Drafts

Postvak IN
1. Orders 46
2. Rederijen 34
2A. Rederijen (Wartsila) 19
2B. Rederijen (MAK) 5
2C. Rederijen (MAN) 29
2D. Rederijen (Himsen)
3. Powerplants
4. Reparatie 29
5. Handelaren 20
5A. Handelaren (Wartsila) 52
5B. Handelaren (MAK) 10
5C. Handelaren (MAN) 7
5D. Handelaren (Himsen) 2
6. Aanvragen (Ongecategoriseerd) 19
7. Overig 235
7R. Antwoorden 245
8. Morgia 4
9. India 9

1. Orders | By Date

Older

24/07/2023
04/07/2023
28/06/2023
11/04/2023
11/04/2023
11/04/2023
07/04/2023
07/04/2023
07/04/2023
07/04/2023
07/04/2023
06/04/2023

PO- / // A1 //

Reply | Reply All | Forward

SK

To

Mon 24/07/2023 13:10

You forwarded this message on 24/07/2023 13:13.

PO- .pdf
106 KB

Goedemiddag

Hierbij willen we graag bijgaande items bestellen voor de

PO Ref. –

Aflever adres :

Nederland

Factuur adres:

Nederland
BTW Nr.
KvK Nr.

U kunt ook u factuur sturen naar:

Bij voorbaat dank

Met vriendelijke groet / Kind regards,

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Items: 46 Unread: 46 All folders are up to date. Connected to: Microsoft Exchange 100%

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Results & Impact

1. Our AI solution sorts all incoming emails to provide **focus**, **clarity**, and **priority**

2. 10 FTE to 3 FTE

3. We used an open-source model, hosted on the client's server

4. The emails are sorted in **real-time and** integrated with **MS Outlook**

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neways

Use case:

Work Instructions Assistant

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neways

Work Instructions Assistant

The Case:

Engineers must update the translated work instructions after every minor change

Bottlenecks:

- Translation machines are not perfect as they fail to **understand the context**
- **Time-consuming** due to the many different translations
- Colleagues are **unnecessarily burdened** with questions

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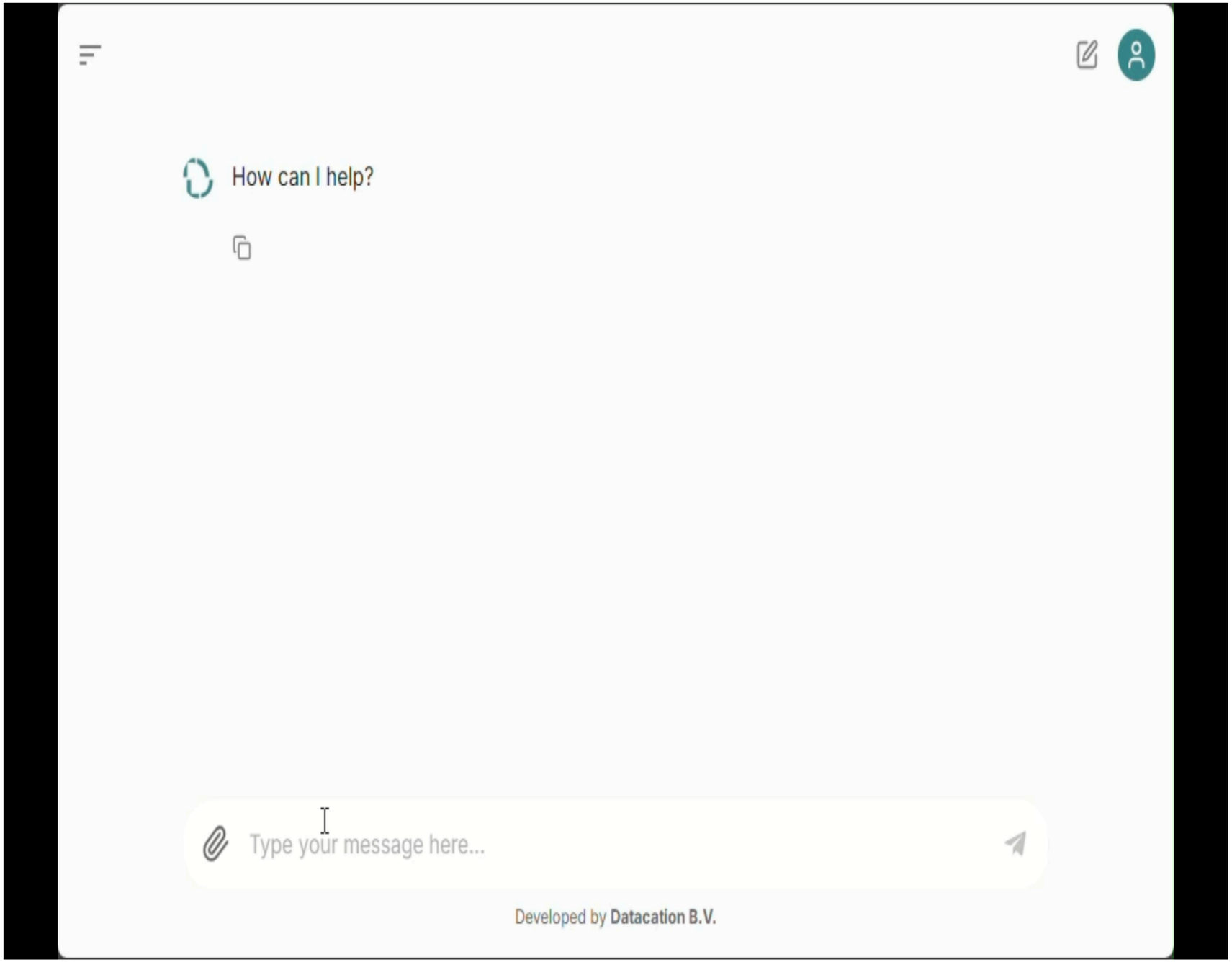

Use case: Work Instructions Assistant

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Results & Impact

1. It **eliminates repetitive manual work**, allowing focus to return to core tasks

2. Deliver better performance than machine translation and **avoids misinterpretation of context**

3. **Accurate referencing** makes it easier to find the right manuals

4. Hosted on the client's server, data is **not shared** with public language models

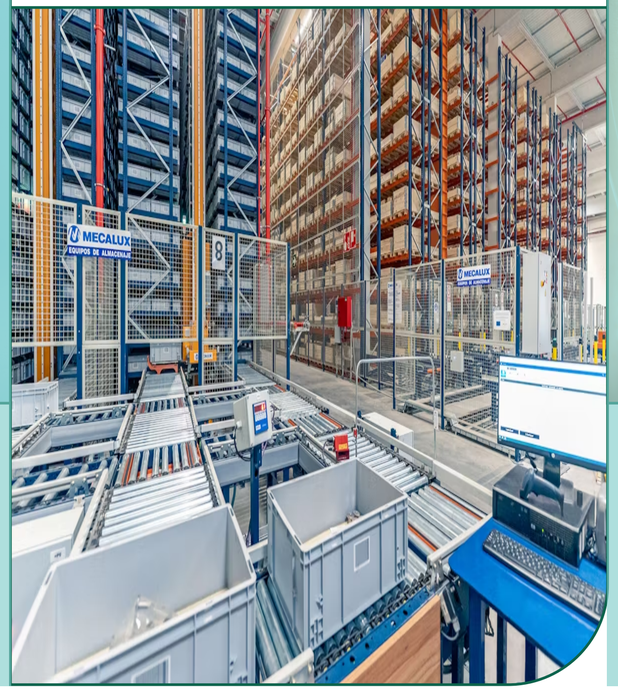
Domeinen AI

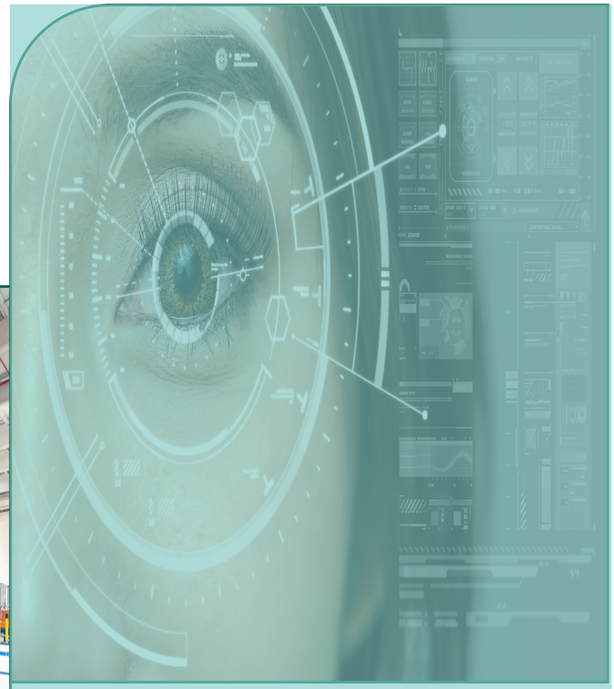
Natural Language Processing

Zet tekst om in inzichten, voor betere besluitvorming en efficiëntere processen.

De meest efficiënte werkwijze bepalen om prestaties te maximaliseren en kosten te minimaliseren.

Optimization





Computer Vision

Waardevolle informatie uit beelden extraheren om sneller en slimmer te kunnen handelen.

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CURA BHV

Use case:

Optimize resource planning

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CURA BHV

Optimize resource planning

The Case:

Automate and optimize the planning of First-Aid trainings

Bottlenecks:

- Currently, planning is based on **human knowledge**
- **Losing time** because of manual efforts
- **Subjective, suboptimal,** and hard to quickly deal with unexpected changes

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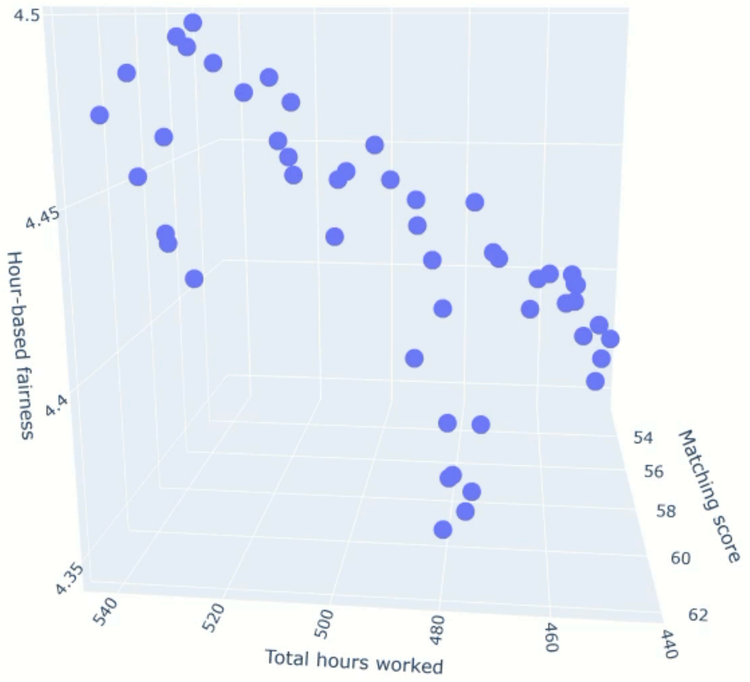
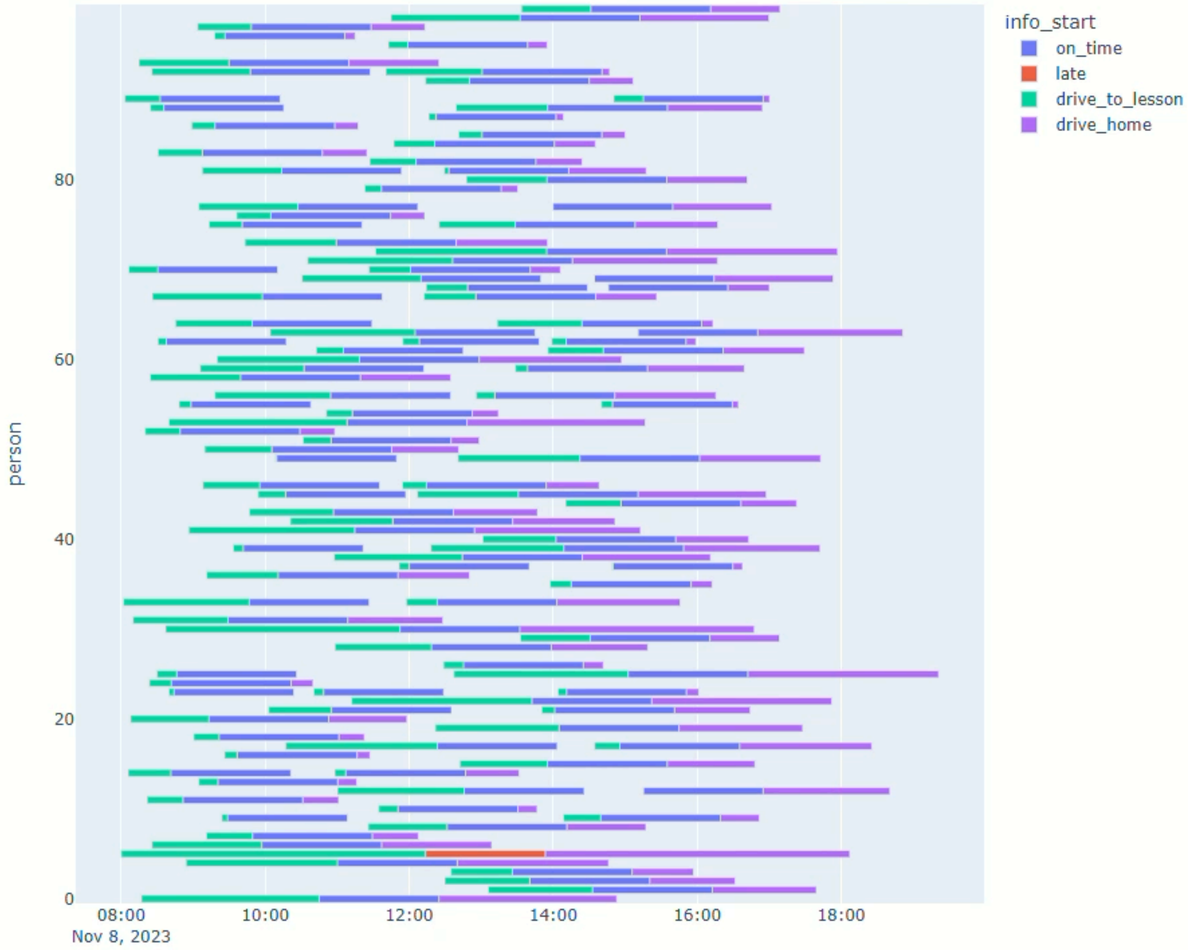
Solutions



Planning



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Results & Impact

1. Multi-objective optimization: possible to optimize based on **different parameters**

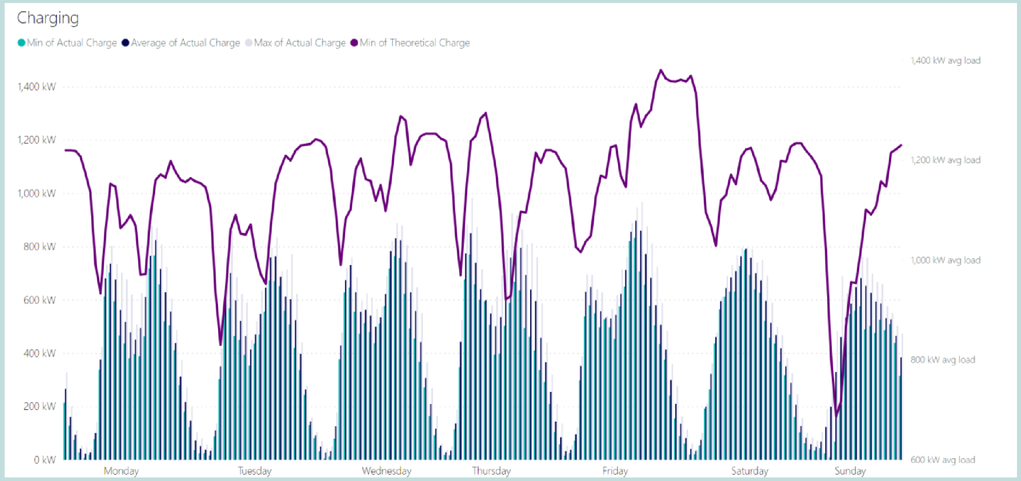
2. The AI solution transform expert insights into **structured, retained knowledge**

3. Planner is still **in control** over final planning

Other applications

Predicting EV charging behavior

- Customer and session data
- Location data



Enrich Replacement Rate data

- Make predictions for products with less available data
- Use brand, segment, country specific and product data to train AI model

WESP
We support performance

Domeinen AI

Natural Language Processing

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Optimization

Computer Vision

Waardevolle informatie uit beelden extraheren om sneller en slimmer te kunnen handelen.

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KLM
Catering Services

Use case:

Optimize food & beverages

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KLM Catering Services

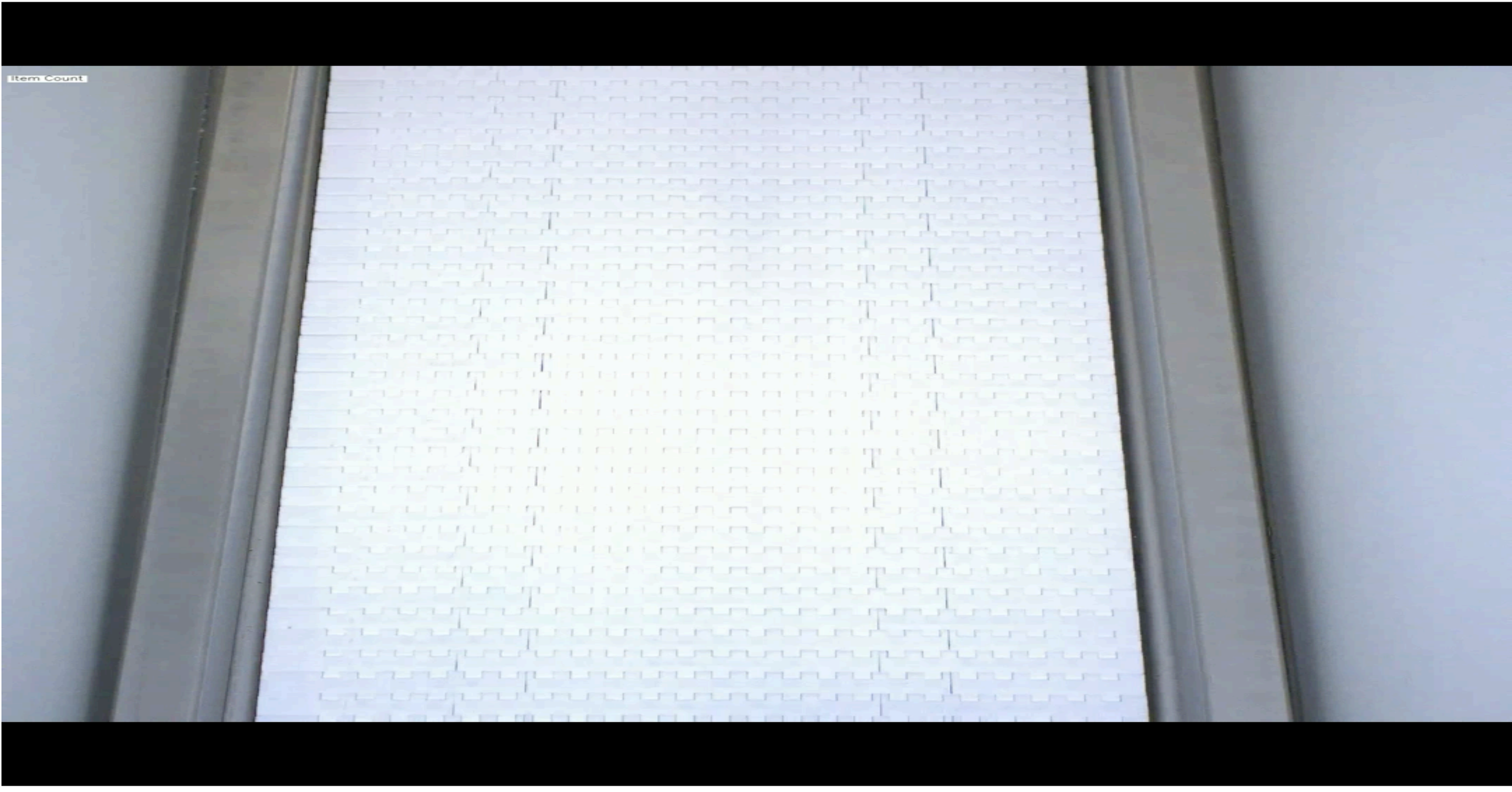
Optimize food & beverages

The Case:

KLM wants to optimize the number of meals and drinks they need to take with them per flight.

Bottlenecks:

- Currently there is **no insight** into food and drink consumed per flight
- The **amount of waste** generated by all meals is a growing problem
- To perform smart analyses, it is first necessary to **collect the right data**


Item Count

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Results & Impact

1. Support for the **installation** of necessary hardware and connections to collect the correct data

2. Food and drink packaging is automatically **detected and counted**

3. Solution provides the **basis** for further AI optimization

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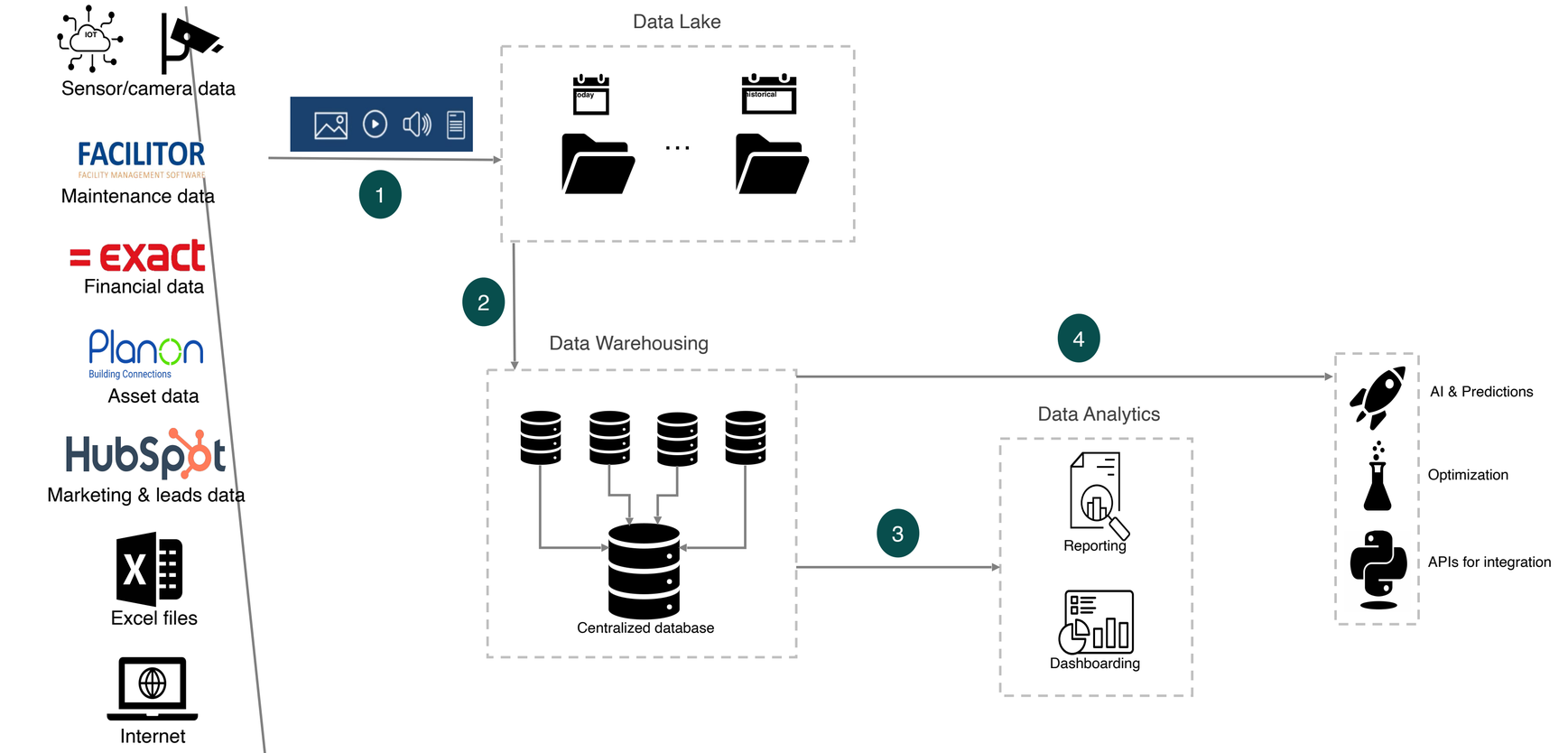
The right data architecture



1. Save raw data in your own data lake
2. Transform and move data to your data warehouse
3. Create (real-time) insights based on structured data
4. Develop AI models

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