

Transforming workflows with efficiency & care

TODAY'S CHALLENGES

TRANSFORMING WORKFLOWS WITH EFFICIENCY & CARE

Recognize this?

- **Drowning in paperwork and manual document handling**
- Frustrated by frequent mistakes and compliance issues
- Overwhelmed by large amounts of information
- Looking for data hidden in documents of different formats



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REAL-WORLD AUTOMATIONS

TRANSFORMING WORKFLOWS WITH EFFICIENCY & CARE

SD Worx

Processes **3,000 collective labour agreements (CAOs)** per year.

Documents are in multiple languages, diverse formatting and non-digital-friendly PDFs.

We created an **intuitive interface** with A.I. capabilities that **increased productivity by 40%** empowering users to focus on **more value-added tasks**.



3

Correct language boxes if applicable

⏪ < 2 > ⏩

🗒 Mark NL

🗒 Mark FR

🗑 Delete NL

Document navigation

Page Actions

“Hoofdstuk 7 – Betalingsmodaliteiten van de wettelijke vergoedingen

Artikel 13. De vergoeding bedoeld in artikel 51, § 8 van de wet van 3 juli 1978 betreffende de arbeidsovereenkomsten en de vergoeding bedoeld in artikel 19, § 6 van de wet van 30 oktober 2022 houdende tijdelijke ondersteuningsmaatregelen ten gevolge van de energiecrisis (hierna “wettelijke vergoedingen” genoemd) worden uitbetaald door de bij artikel 8 van de statuten van Constructiv beoogde uitbetalingsinstellingen, mits naleving van de procedures die ter zake in gemeen overleg worden vastgesteld met de Raad van Bestuur van Constructiv.

Artikel 14. De betaling van de wettelijke vergoedingen is als volgt geregeld:

a) Voor de arbeiders die houder zijn van een legitimatiekaart “rechthebbende” geldig voor het lopende dienstjaar zijn de wettelijke vergoedingen begrepen in de vorstvergoedingen en vergoedingen-bouw die in toepassing van deze cao worden toegekend.

b) Aan de arbeiders die niet bedoeld zijn onder a) en die de hoofdwerkloosheidsuitkering genieten, betalen de uitbetalingsinstellingen de wettelijke vergoedingen:

- Voor de dagen tijdelijke werkloosheid waarvoor zij de vorstvergoeding in toepassing van hoofdstuk 2 van deze cao hebben kunnen genieten, moeten zij

“Chapitre 7 – Modalités de paiement indemnités légales

Article 13. Le paiement de l'indemnité l'article 51, § 8 de la loi du 3 juillet 1978 relative aux conventions de travail et de l'indemnité visé à l'article 19, § 6 de la loi du 30 octobre 2022 portant mesures de soutien temporaires suite à la crise de l'énergie (ci-après dénommé "indemnités légales") est effectué par les organismes de paiement visés à l'article 8 des statuts de Constructiv, observant les procédures arrêtées de commun accord avec le Conseil d'administration de Constructiv.

Article 14. Le paiement des indemnités s'effectue selon les règles suivantes:

a) Pour les ouvriers détenteurs d'une carte de légitimation "ayant droit" valable pendant l'exercice en cours, les indemnités légales comprises dans les indemnités-gel de construction octroyées en vertu de la présente CCT.

b) Aux ouvriers autres que ceux visés sous a) qui bénéficient de l'allocation principale de chômage, les organismes de paiement des indemnités légales:

- Pour les jours de chômage temporaire pour lesquels ils auraient pu bénéficier de l'indemnité-gel en application de l'article 2 de la présente convention, s'ils en

VLAIO

Handles **2.000 project applications** per year.

Insights were needed what a project is about and what they are financing.

We created **web app** with a fully **automated workflow** for tagging and classifying documents from different sources **increasing efficiency** and **eliminating manual work**.

The screenshot displays the VLAIO web application interface. At the top, the header includes 'VLAANDEREN' and 'AGENTSCHAP INNOVEREN & ONDERNEMEN'. Below this, there are tabs for document IDs: 'BTM.2016.0001', 'BTM.2016.0003', 'BTM.2016.0002', and 'BTM.2016.0004'. The main content area is titled 'RESULTATEN' and shows a list of documents with their classification tags. Each document card includes a title, a list of tags, and a 'Selecteren' button. The tags are color-coded and represent different categories or locations. For example, the first document 'BTM.2016.0003 - Bedrijvenpark Waregem-Zuid' has tags like 'bedrijvenpark', 'bedrijventerrein', 'industrialgebied', 'industrialpark', 'industrieterrein', 'industrialzone', 'va', 'secteur', 'runderen', and 'zi'. The second document 'BTM.2016.0001 - BTM.2016.0001' has tags like 'test', 'bedrijvencentrum', 'nevencentrum', 'beurzencentrum', 'bedrijventerreinvereniging', 'bedrijventerrein', 'bedrijventerreinen', 'stadsbestuur', 'stadsbesturen', and 'stadsbestuurders'. The third document 'BTM.2016.0004 - Rond de Watertoren' has tags like 'watertoren', 'watertorens', 'watertorenweg', 'pompstation', 'waterstation', 'duurzaam', 'nieuwe', 'beeldkwaliteit', 'parkmanager', and 'verduurzaamd'. The fourth document 'BTM.2016.0002 - West-Vlaamse Intercommunale' has tags like 'wvi', 'avi', 'cvi', 'bedrijventerreinen', 'gemeente', 'bedrijventerreinmanagement', 'bedrijventerrein', and 'plaats'. The interface also includes a search bar, a 'Zoeken' button, and a 'Historiek' link. A 'Goedkeuringsdatum' filter is set to 'Vanaf 01/01/2009'. A 'Exporteer naar Excel' button is visible in the top right corner.

What if you also could ...

Free up time for your employees allowing them to **focus on value**, and **timely** delivery of **qualitative** information.

By **automating your document-driven processes** which are:

- Manual
- Time-consuming
- Complex

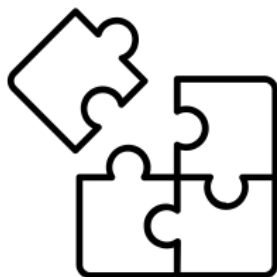
Through a smart combination of the latest **A.I.** technologies and intuitive **user experience**



DOCUMENT HYPER-AUTOMATION

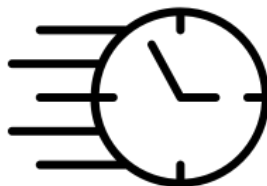
TRANSFORMING WORKFLOWS WITH EFFICIENCY & CARE

Our approach integrates ...



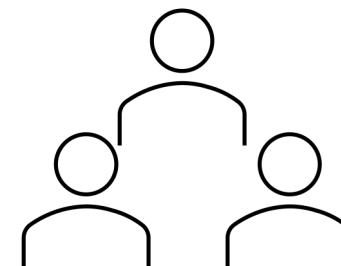
Your IT Environment

Seamlessly integrated in your application landscape



Our Azure-Based Kickstarter Pack

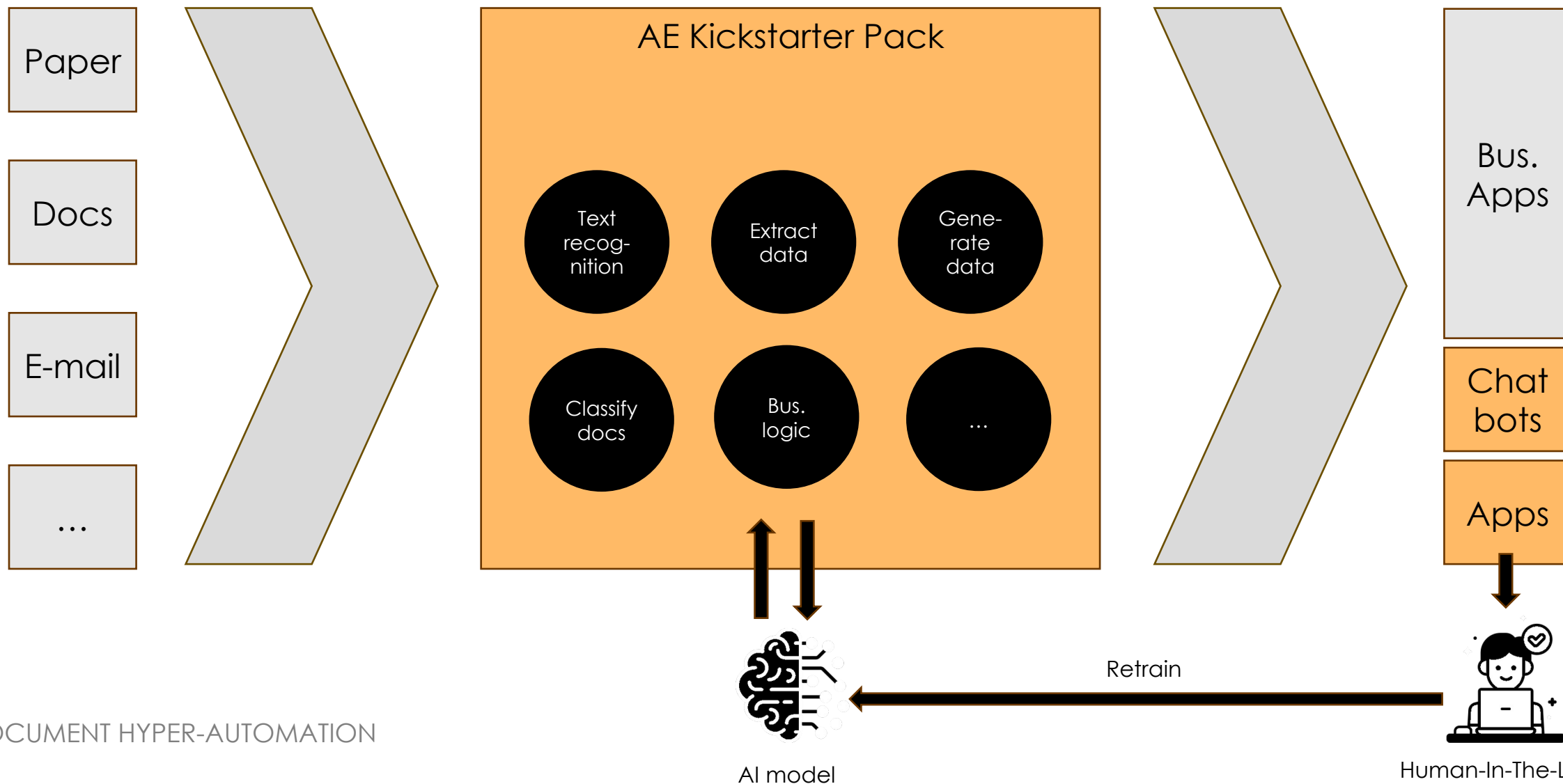
Accelerated by the foundation AE has created during previous assignments and own investments



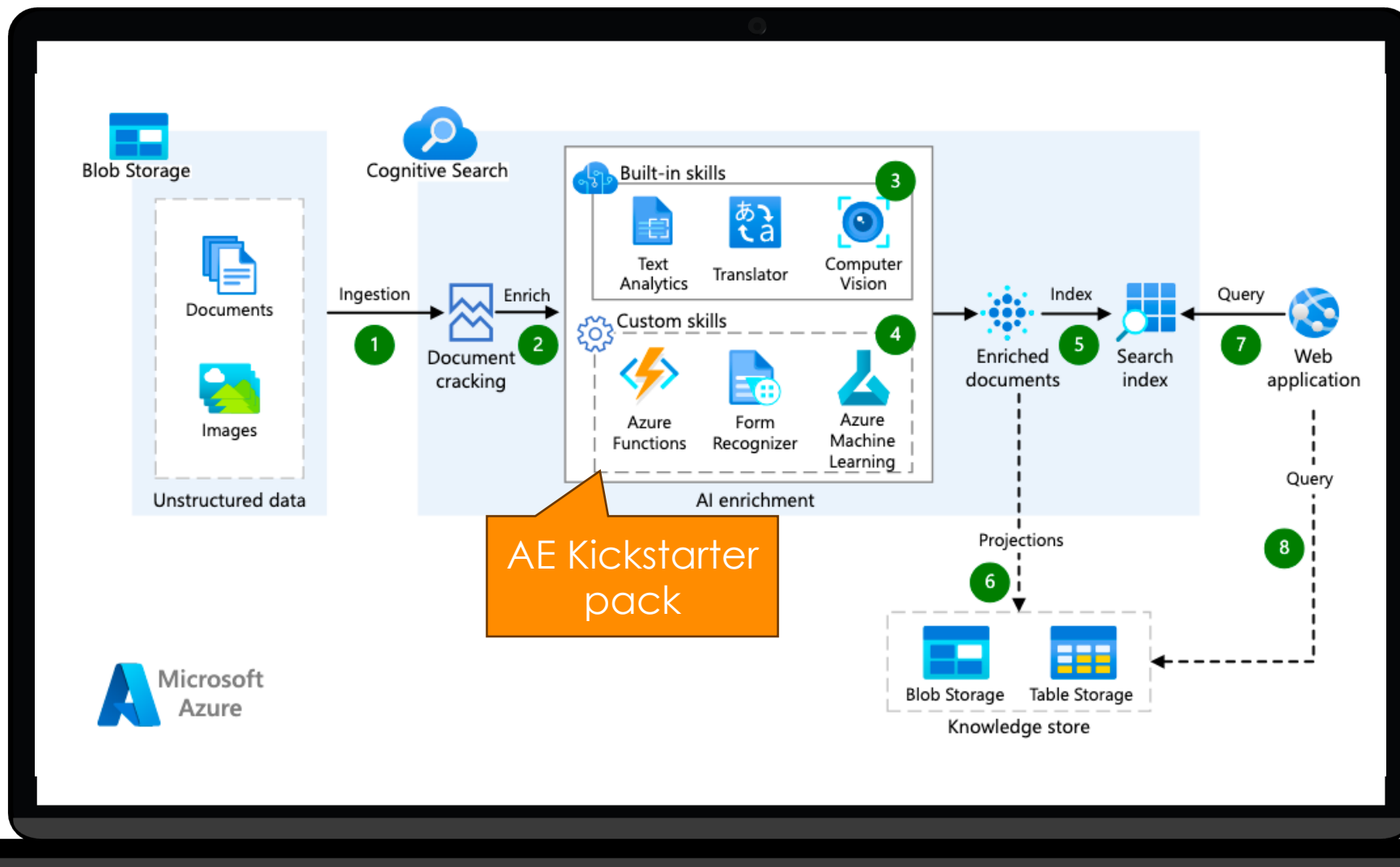
Our Multidisciplinary Team

Diverse team of engineers
With all the necessary skills to build your user-friendly automation solution

Document hyper-automation blueprint



High-Level Azure Architecture



Ready to level up with our team?

- Significant reduction in manual document processing
- Drastic decrease in errors and compliance issues
- Enhanced operational velocity and employee satisfaction



HOW WE WORK

TRANSFORMING WORKFLOWS WITH EFFICIENCY & CARE

HOW WE WORK



- Brainstorm opportunities
- Feasible with available data
- ROI & business value



Sprint 0

Prepare



Intake

Get to know the **playing field**



Questions

- What does AE bring to the table?
- What do we hope you can bring to the table?
- What do we both want to get out of this collaboration?
- What is our desired role in this collaboration?
- What competences can we deliver?
- What are your business goals?
- What is your target audience (Customer support, technicians, ...), volume, reach?
- What is your target audience's user journey?
- ...

Why

- Understand what everyone brings to the table and what is in it for each partner
- Develop a high-level understanding of the process (as-is) & a first impression of the pain(s)

Workload

- 1h interview per stakeholder
- Stakeholders' preparing work for the workshop

Who

Your business stakeholders: product owner, business partners, ...
AE product owner

Sprint 0

Prepare



Technology assessment

Get to know your IT environment



Questions

- Do you work with a specific cloud vendor (Azure/ AWS/ GCP)?
- Which technologies do you currently use (e.g. cloud services, programming languages, databases, etc.)?
- Where do you store data (MS Sharepoint, ...)?
- For future products and solutions, are there things you would like to do differently?

Why

- Understand the technical landscape to know the constraints for future products and solutions

Workload

- 6h interview with a technical group (e.g. architect, product owner, lead developer)
- Stakeholders' preparing work for the workshop, if needed

Who

Your stakeholders: Product owner, IT, technical architect, lead developer, ...

AE: Technical architect

Sprint 0

Prepare



User interviews

Get to know the **target audience**

Questions

- What are the current jobs-to-be-done or tasks?
- What are their current pains?
- What are their needs to improve job satisfaction?
- What are the gains they are looking for with the new solution?
- ...

Why

Start **user-centric** and build a user profile

Workload

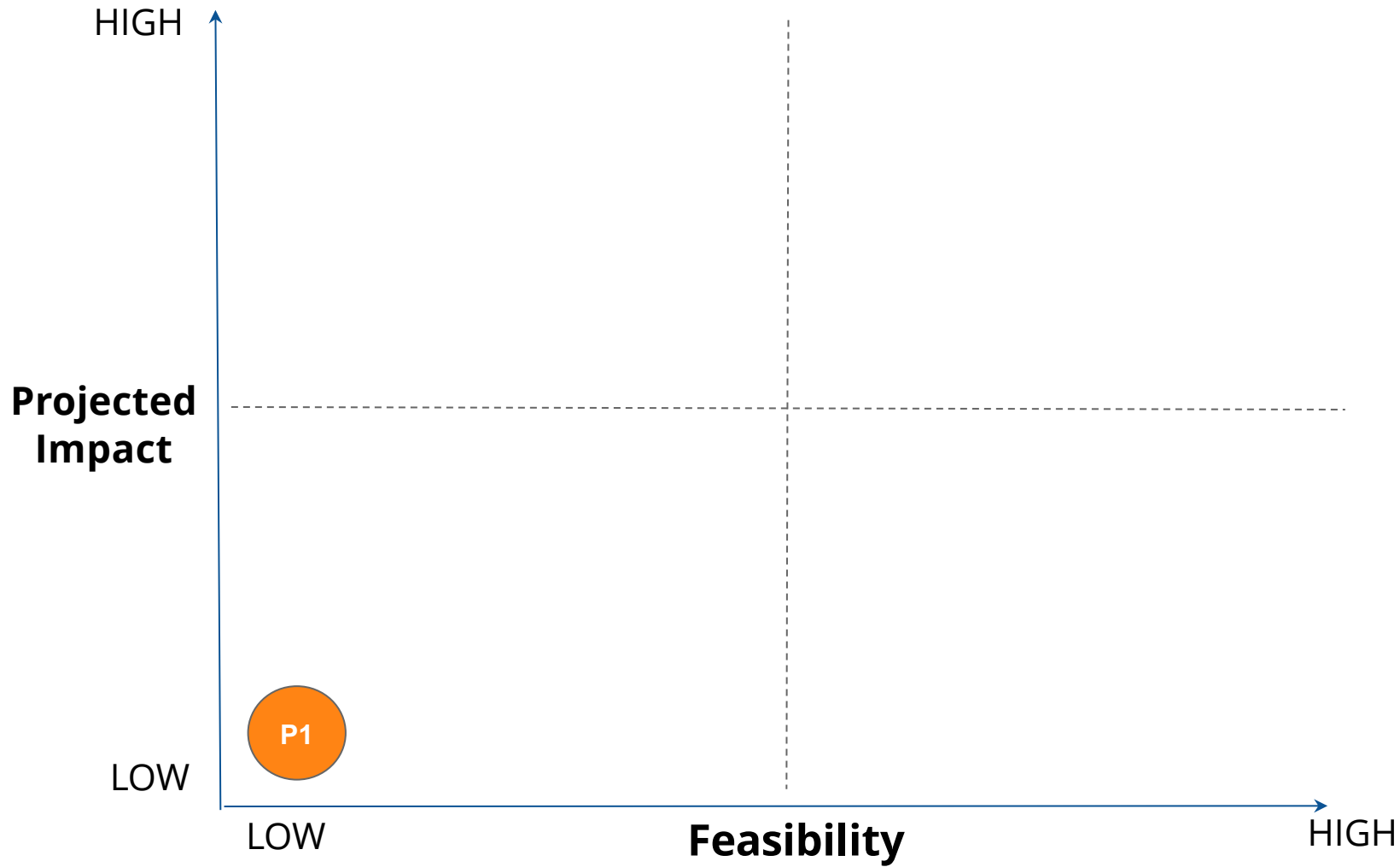
1h Scenario based Interview per user

Who

5 users

AE product owner/ UX researcher

Business Case Opportunity Matrix: Complete the matrix below by modeling each of the five projects in terms of relative impact, cost, complexity of implementation, data adequacy, and certainty of value capture. You can copy and paste from the **circles** in the bottom right. Then provide a label similar to the example of P1.



Project 1: [insert project name]

Project 2: [insert project name]

Project 3: [insert project name]

Project 4: [insert project name]

Project 5: [insert project name]

Likelihood of Value Capture

- Low
- Medium
- High

For each project, use the circles above to copy and label with a project number. Then place them on the chart.

HOW WE WORK



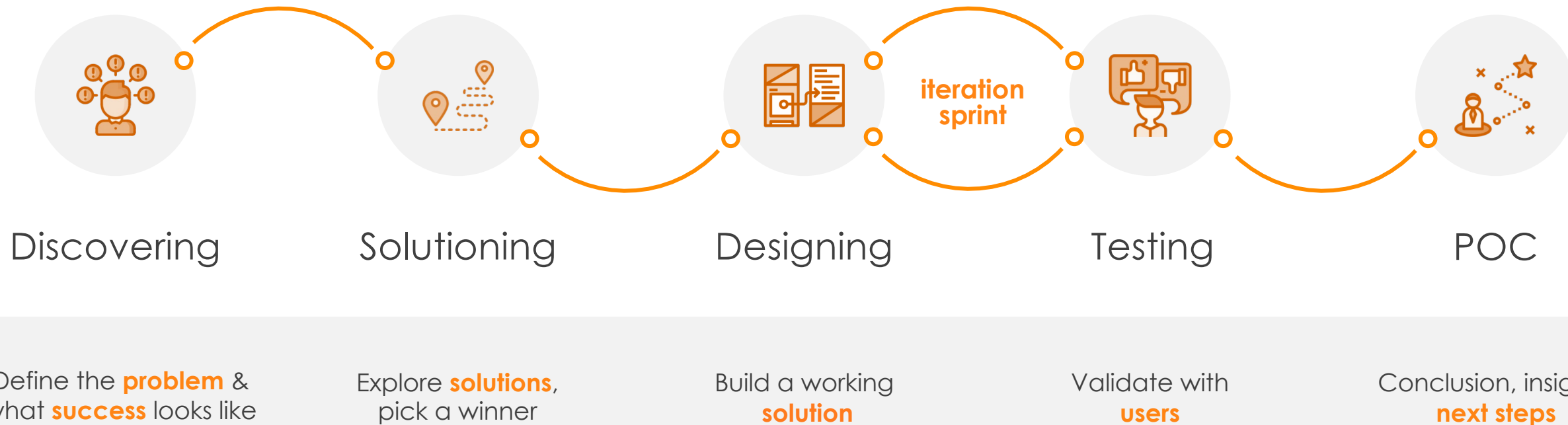
- Validated proof of concept (2 iterations)
- Agile build plan including budget & timing

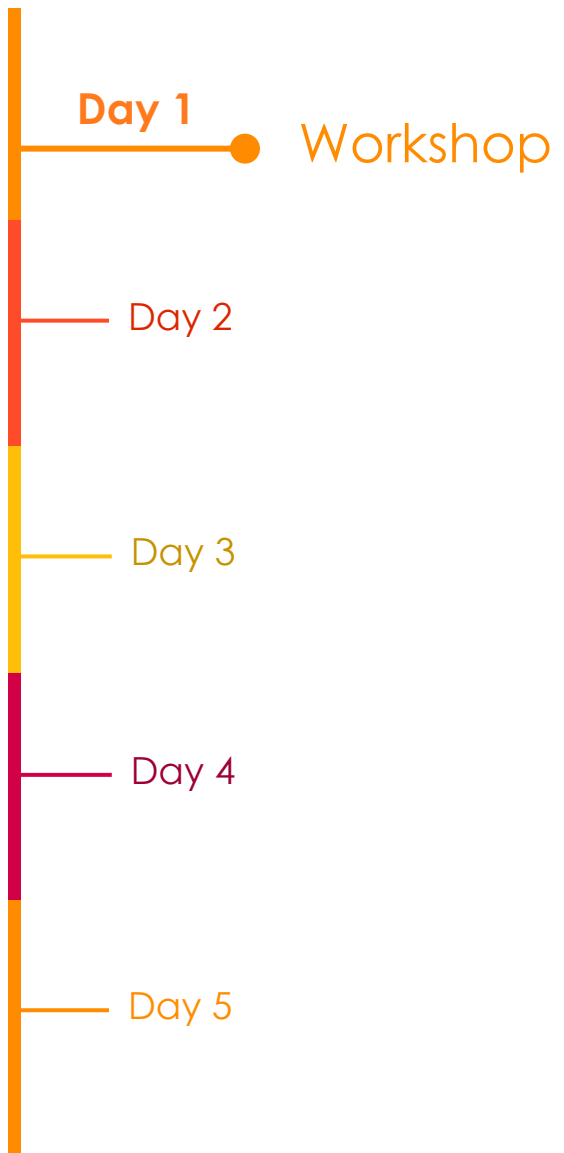


Knowledge transfer (& Change Management)



Step by step





Discovering

*Fall in love with the **problem***



Activities

- Before diving into the workshop, we take a moment to build **connection** between participants
- We identify the **users** and **partners** in this process.
- We agree on the end2end process & what the **roles and responsibilities** are.
- We list the **jobs to be done**, the **pains**, the **gains** for user & every stakeholder in the process.
- We identify & validate commonly the **main challenge** to be solved.
- We end with a first brain dump of potential **opportunities (use cases) to solve the problem**

Why

To increase the chance of creating meaningful solutions that truly address the needs of our target audience it is important to invest in understanding the problem.

Workload

6 - hour workshop with partners, on site
Consolidate findings by AE

Who

Your business stakeholders: product owner / sponsor, business partners, ...
AE product owner

Decider present

Solutioning

Creative **solution** thinking



Activities

- Based on the **validated challenge**, we map the problem space and its different perspectives.
- We do a second brain dump of potential **ideas to solve the problem**
- We share our individual ideas and build **solution concepts** potentially combining several elements.
- We **vote** and share the pro's & con's why we think the voted concept is bringing value.
- We end with an opportunity in **1 single direction** to move forward

Why

Find the opportunities that solve actual needs and bring business value mitigating the problem we identified.

Workload

6 - hour workshop with partners, on site
Consolidate findings by AE

Who

Your business stakeholders: product owner / sponsor, business partners, ...
AE product owner

Decider present

Day 1

Day 2

Workshop

Day 3

Day 4

Day 5



Designing

Make the idea **tangible** together

Activities

- Identify **technical components** and their interaction
- Map the underlying **data orchestration**
- **Rapid prototyping** with AE kickstarter pack on Azure

Why

Create a shared understanding of the concrete implementation
Build an End-to-End working solution

Workload

2 days of designing and building and preparing user validation

Who

AE + Sibelga product owner

Day 1

Day 2

Day 3

Co-creation

&

Day 4

Prepare and plan

Day 5

Our A.I. extracts and generates data in no time

Published version Last trained version

Accuracy score ⓘ [More details](#)

87%

Fair

This model correctly predicted 87% of actual results and may be ready to be used. To improve the accuracy score, [review full evaluation](#).

Use model
Quick test

Information to extract [More details](#)

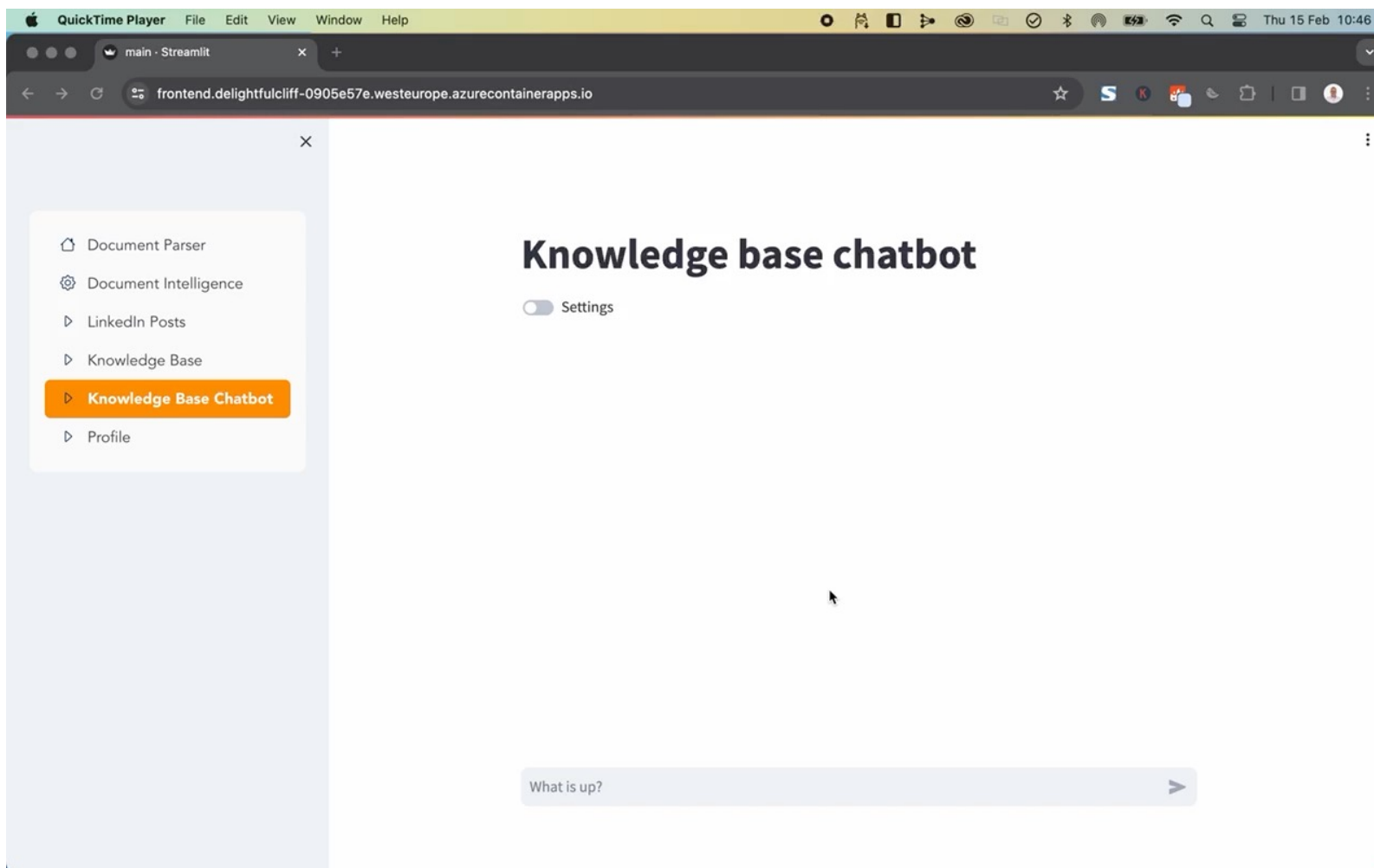
[Abc]	SenderAccount	99 ■ ■ ■
[Abc]	SenderCompany	99 ■ ■ ■
[Abc]	SenderAddress	99 ■ ■ ■
[Abc]	SenderPhone	80 ■ ■ ■
[Abc]	ReceiverCompany	80 ■ ■ ■
[Abc]	ReceiverAddress	60 ■ ■ ■
[Abc]	Contact	80 ■ ■ ■
[Abc]	PhoneInfo	80 ■ ■ ■

Select first and last words to tag selection

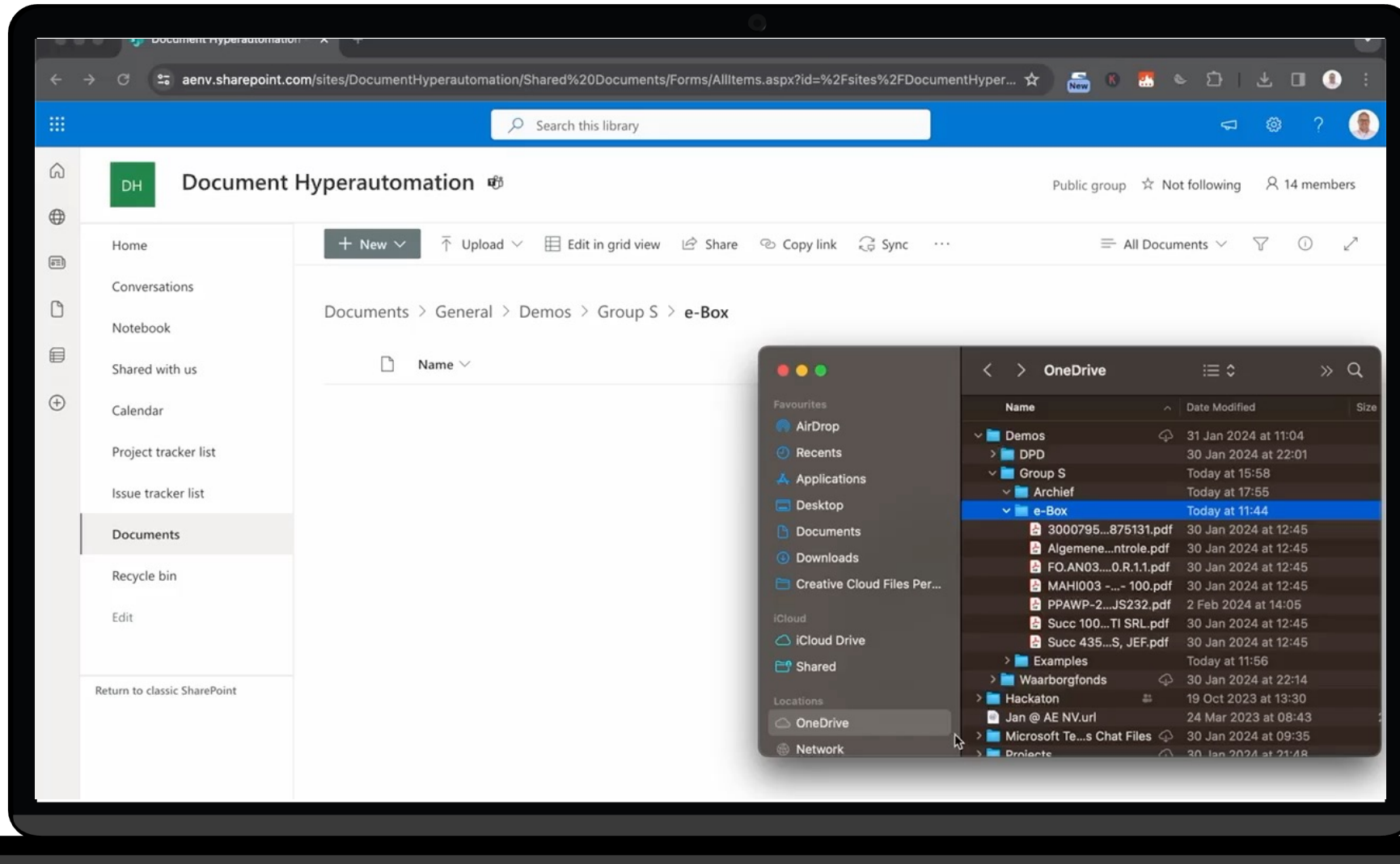
DPD Label Scanner

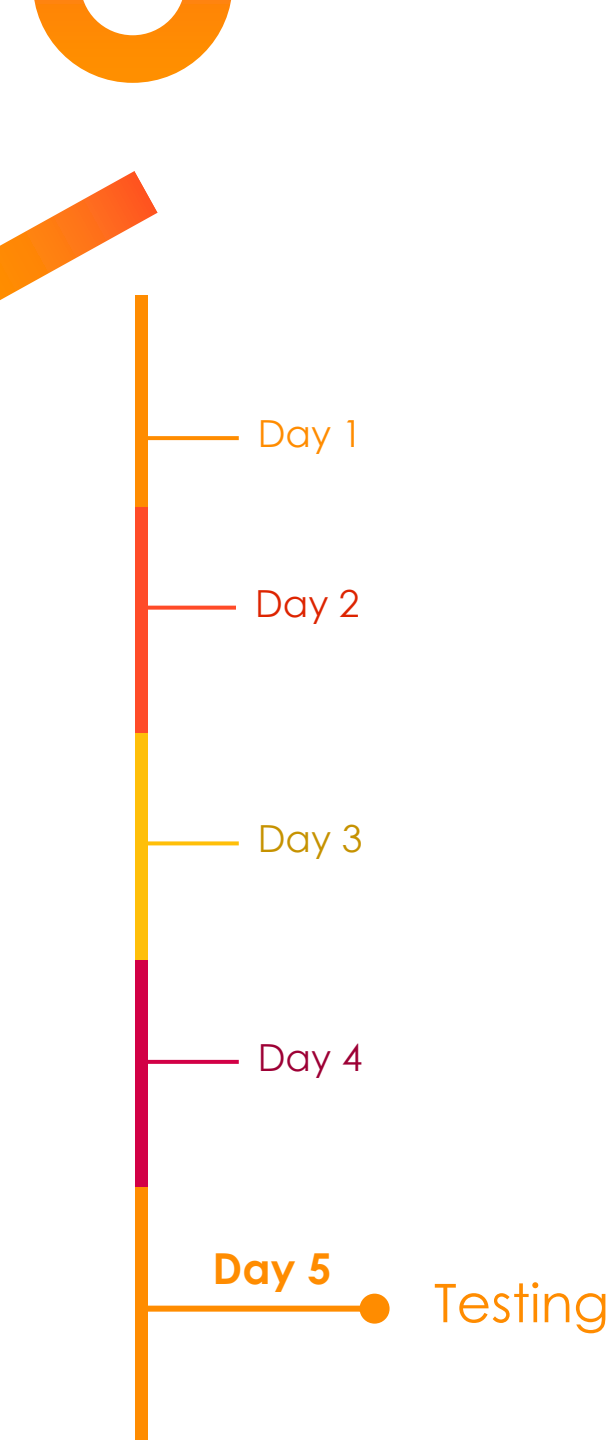
Analyse photo

Our chatbots easily disclose your knowledge



Our team integrates A.I. in your way-of-working





Testing

Validate the solution



Activities



Depending on the shape of the solution

We determine a validation strategy for day 5

Why

Increase confidence in the value of the idea

Workload

1 day is user interviews, testing and validating the solution

Who

5 target users

Profile depending on the selected solution (use case)



The first sprint brought a ton of
new knowledge & qualitative data.

Now our team has a good hunch of
what will work or not and iterates.



Proof-Of-Concept

An idea turned into a **Proof-Of-Concept**

Consolidation of all the major **insights & workshop output**

Agile build plan containing the rest of the use cases for the next iterations



HOW WE WORK



- Fully integrated solution
- Optimally trained AI models
- Top-notch UX



WHO WE NEED

TRANSFORMING WORKFLOWS WITH PRECISION & CARE

WHO WE NEED

○ YOU

- Decision maker (2 days)
- Product owner
- IT / Engineering
- Business stakeholders

○ AE

- Product Owner
- Technical architect
- Data engineer
- Software engineer
- UX Designer



WHY AE

TRANSFORMING WORKFLOWS WITH PRECISION & CARE

Why choose us?

- **Partnership & Collaboration:**

Working together to seamlessly integrate our solutions into your operations, enhancing productivity without disruption.

- **Tailor-Made Solutions:**

Not just a one-size-fits-all approach, but custom solutions, integrated in your IT environment, that fit your specific document management needs.

- **Team of Experts:**

Our diverse team of software engineers brings a wide range of backgrounds and expertise, offering innovative solutions and a competitive edge.

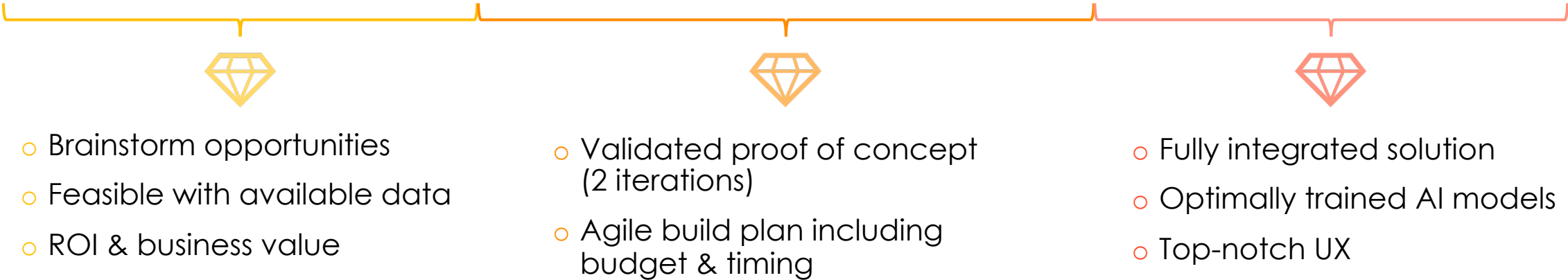
20+ YEARS OF EXPERIENCE



WHAT ABOUT THE BUDGET

TRANSFORMING WORKFLOWS WITH PRECISION & CARE

WHAT ABOUT THE BUDGET



20 – 40K€

+/- 200k€

Q&A

TRANSFORMING WORKFLOWS WITH EFFICIENCY & CARE

THANK YOU

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