



Pertimm

Expertise matters.

R&D – 2025



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Who we are

Software research and development company, **based in Paris**, with over 26 years of experience in driving digital transformations for mid-sized companies, SMEs, and large groups.

Trusted commercial partner in **emerging technologies**, including NLP, LLM, AI, and machine learning.

We provide customer-oriented solutions **across all sectors**: industry, luxury, media, telecommunications, and retail.



Laurent Cognat
COO
ex Airbus



Charles-Henri Puaux
CEO
*ex JP Morgan,
Goldman Sachs*



Patrick Constant
Founder, *Pertimm*
ex Qwant



Carl Loof
Head of Growth
ex MetLife, NYL, Copper

Project Managers, Tech Leads, Technical Experts, Designers, Integrators, Testers, Developers, DevOps, SecOps, Sys Admins, etc. 100+ with "senior" expertise

What we do

Change management

We support your digital transformation from study to implementation. As a trusted partner, we drive change through our expertise and solid experience in the industry.

Data science & management

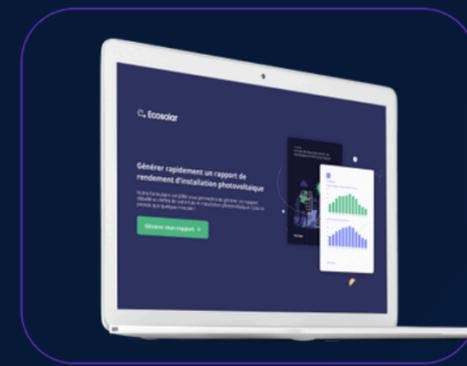
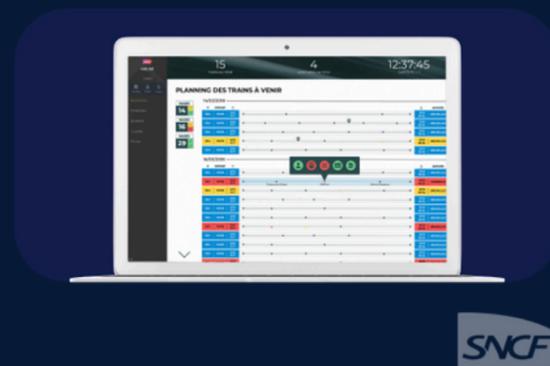
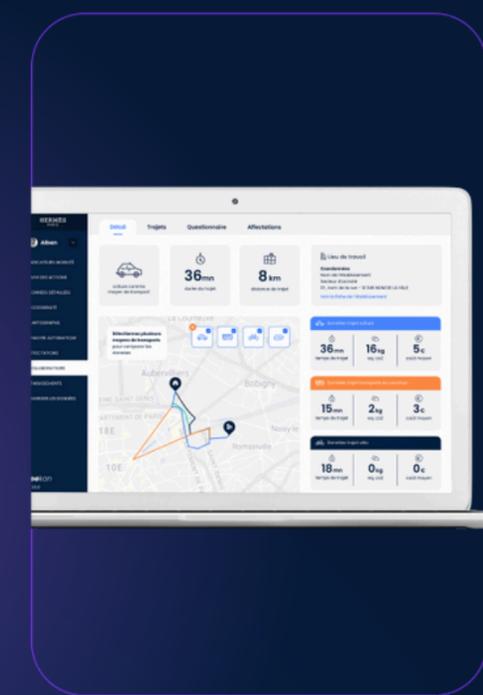
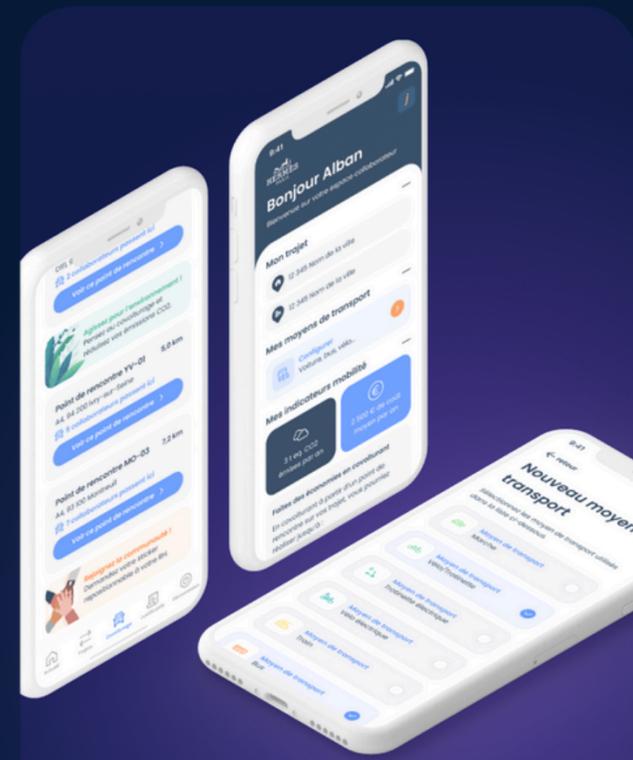
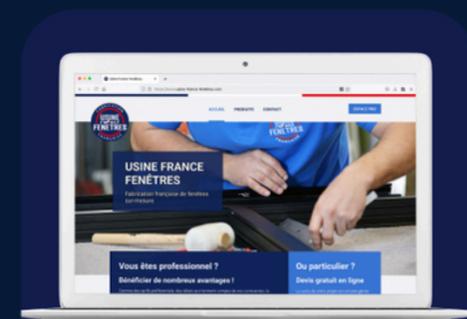
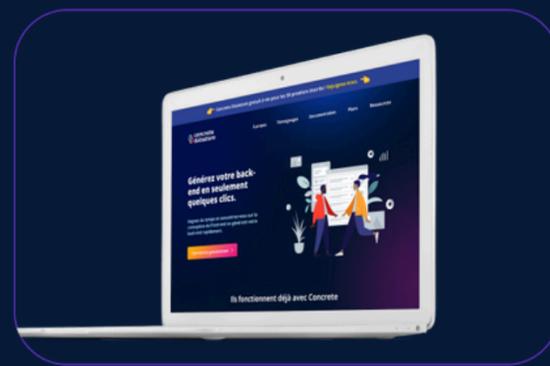
We convert your big data into actionable insights, essential for guiding your strategic decisions. Specialists in managing structured and unstructured data, we optimize your business processes and integrate innovative technologies such as language models (LLM) and artificial intelligence (AI).

SaaS Solutions & Software development

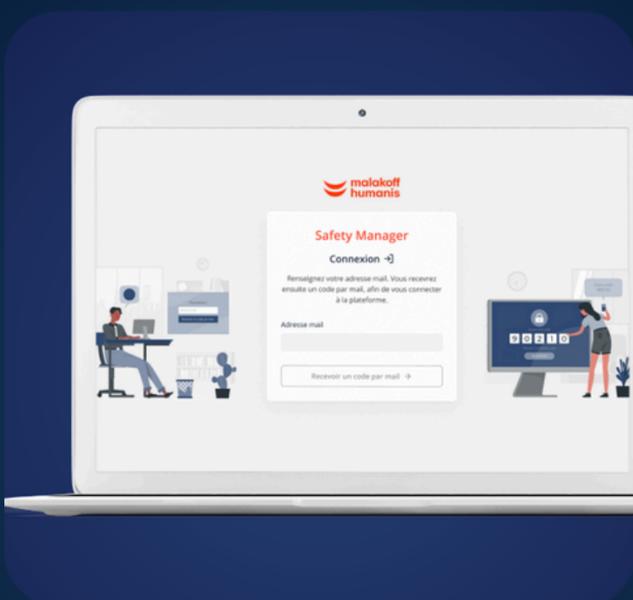
We design custom SaaS B2B (2B/C) solutions with the best value for money, guaranteeing quality, timely delivery, and careful UX/UI design. We provide you with a vast network of developers capable of mastering all the languages and frameworks necessary for your projects.

Our achievements

jee kan



SNCF



malakoff humanis



edf



GLOBECAST



sermes

Pertimm search engine

Pertimm search engine

28 y

of existence

100%

Cloud-agnostic

**Proprietary
Technology**

100%

Made in France

20 ms

Minimal
response time

200+

Customers

GCP, AWS,
Azure, OVH
Compliant

Pertimm search engine

100% French-made search engine

- ✓ High-performing and scalable
- ✓ Cloud-agnostic (including GCP, AWS, etc.)
- ✓ Public Cloud, Private Cloud, On-Premise
- ✓ Technical support and operational assistance, 24/7 intervention
- ✓ 100% Made in France – Full control of the architecture
- ✓ Native LLM integration capability
- ✓ Transparency and explainability (inspection mode)

R&D at Pertimm

R&D Lab dedicated to the future

Shaping tomorrow's projects

- Project implementation through **Artificial Intelligence** and **Machine Learning**.
- Pertimm is driven by its internal projects, its presence in **competitiveness clusters** such as CapDigital, and its partnerships with **major French and European universities** (CY Tech, Télécom Paris, Institut Les Mines, Polytechnique, the University of Louvain, etc.).

Our approach

- Select the projects that best align with our **development strategy, ideas, and values**.
- Enable them to contribute to the design and development of **tomorrow's solutions**.

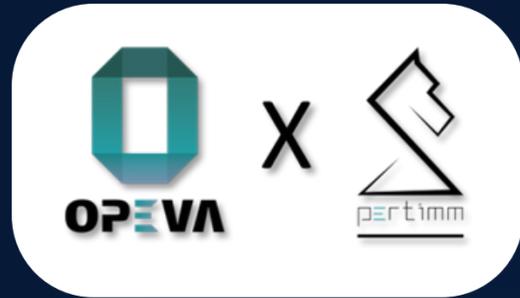
15 PhD experts

Innovation Policy

- An offering driven by the **future needs** of our clients and consumers.
- An **innovative dynamic placing R&D** at the heart of various academic collaborations.
- A steadfast involvement in numerous **European research projects**, which have been Pertimm's strength for the past 20 years (with **OPEVA** being the most recent one).



A European engagement



Consortium of 37 European companies



Intelligent software that learns from the vehicle, the infrastructure, and its environment

OPEVA
Total budget: 23M€

Optimize the range of electric vehicles

*OPTimization of Electric Vehicle Autonomy

Optimize the battery range of electric vehicles.
Manage green energy production, conversion, and storage systems.

Based on AI and Deep Learning

Enable affordable, safe, and environmentally neutral light mobility.
Reduce energy consumption by more than 10%.
Reduce charging time by at least 10%.



Data: a key aspect of AI

EV range prediction through continuous learning



User Data

- *Vehicle model*
- *Battery status*
- *Type of road*
- *Type of tire*
- *Month of the year*
- *User historical data*



Learning Process

Through numerous Machine Learning models: accurate prediction of vehicle range.



Final Range

Accurate prediction based on the user's historical driving data.

Example:

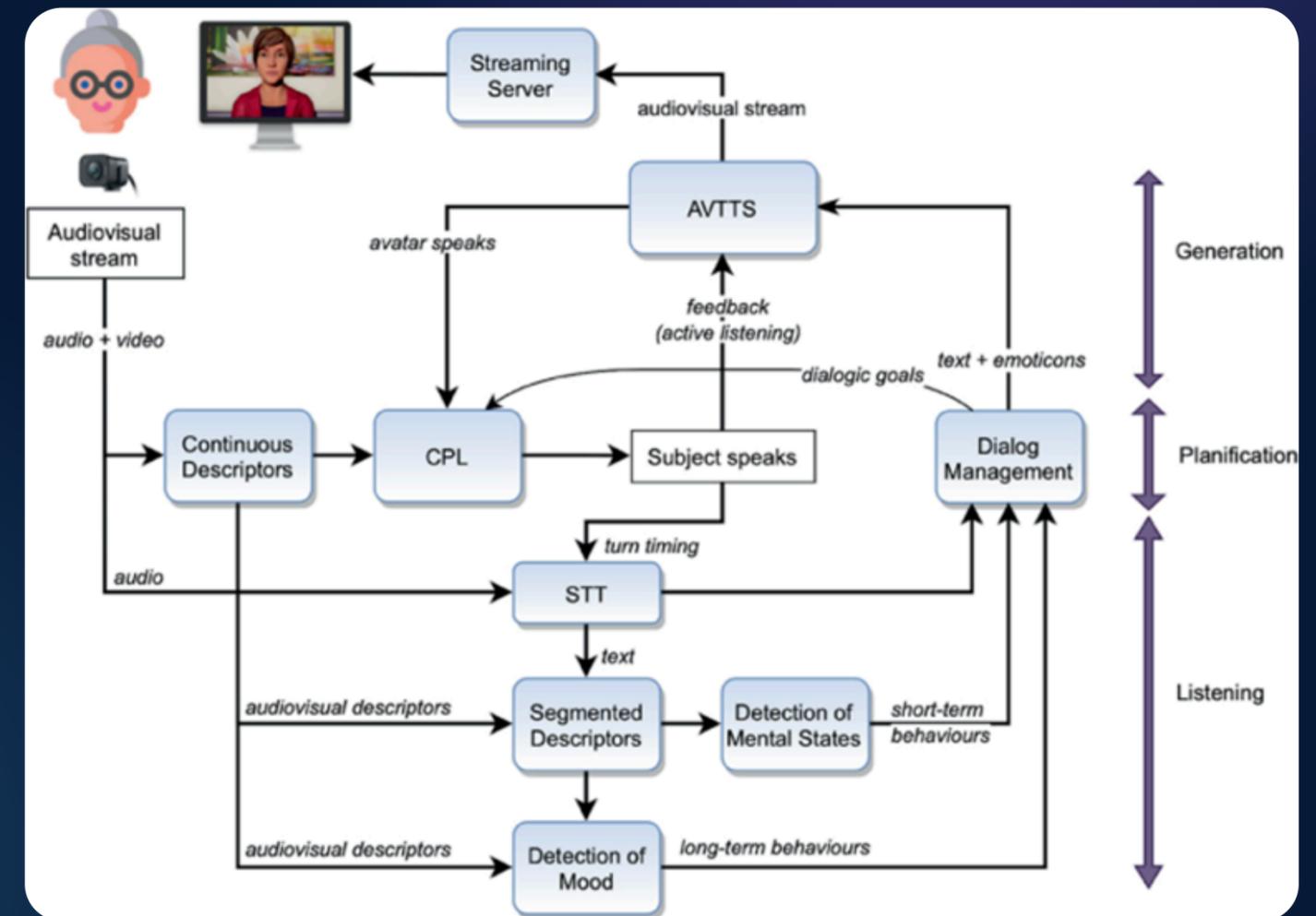
- *Consumption: 13.28 kWh/100km*
- *Range: 351.93 km*

The French project Theradia



Revolutionizing Cognitive Therapies through AI :

- Personalize the treatment of cognitive disorders through AI integration.
- Facilitate collaboration between therapists, patients, and technology.
- Leverage affective computing for more natural patient-AI interaction.
- Improve accessibility and reduce the cost of cognitive therapies.
- Establish strategic partnerships for research and development.





PAPUD (2018-2020)

*Profiling and Analysis Platform
Using Deep Learning*



► *Integration of big data, analytics, and deep learning technologies for text analysis.*

Classification

Keyword Extraction

Text summarization

Voice recognition

Satisfaction & Loyalty

Call centers

► *Support for structured, semi-structured, and unstructured data*

PARFAIT (2018-2020)

*Personal dAta pRotection
FrAmework for IoT*

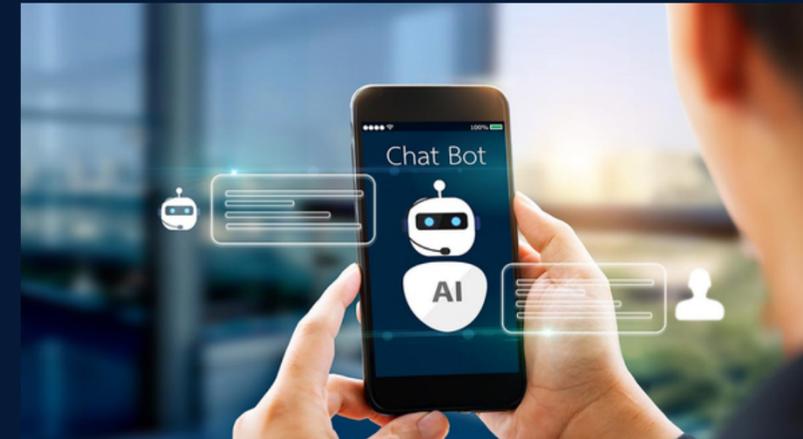


► *Development of a framework for **personal data protection** in IoT applications, aimed at **creating more secure connected ecosystems**.*



VOQAL (2017–2019)

Fast & Cost-effective chatbot development

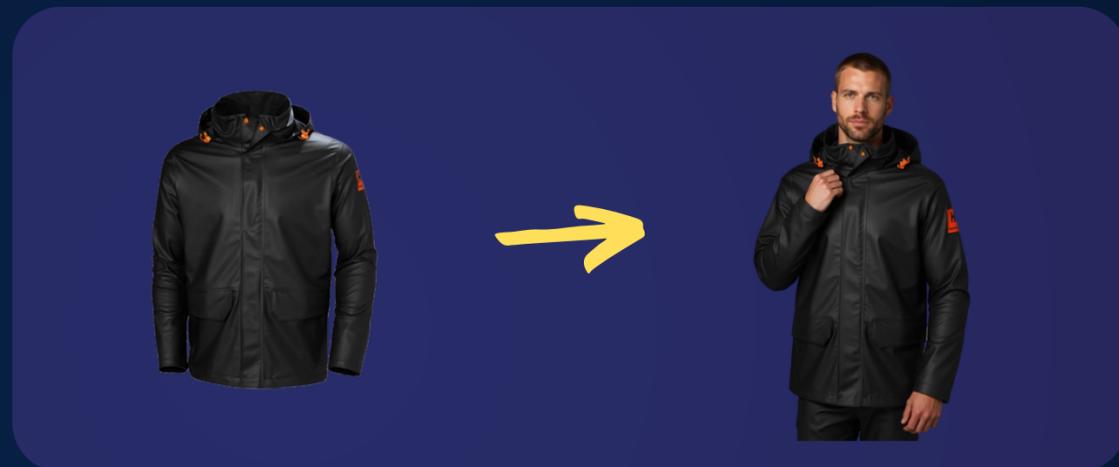


- **Objective:** Provide cost-effective, neutral, and privacy-respecting services.
- **Voice Assistant:** Accelerate the adoption of a multilingual European voice assistant.
- **Independence:** Ensure Human–Machine communication and independence from the GAFAM companies.
- **Efficiency:** Reduce chatbot development cost and time by 80–90%.
- **Conversion:** Improve commercial conversion rates by 200%.

This project allowed us to explore LLMs to design innovative NLP solutions.

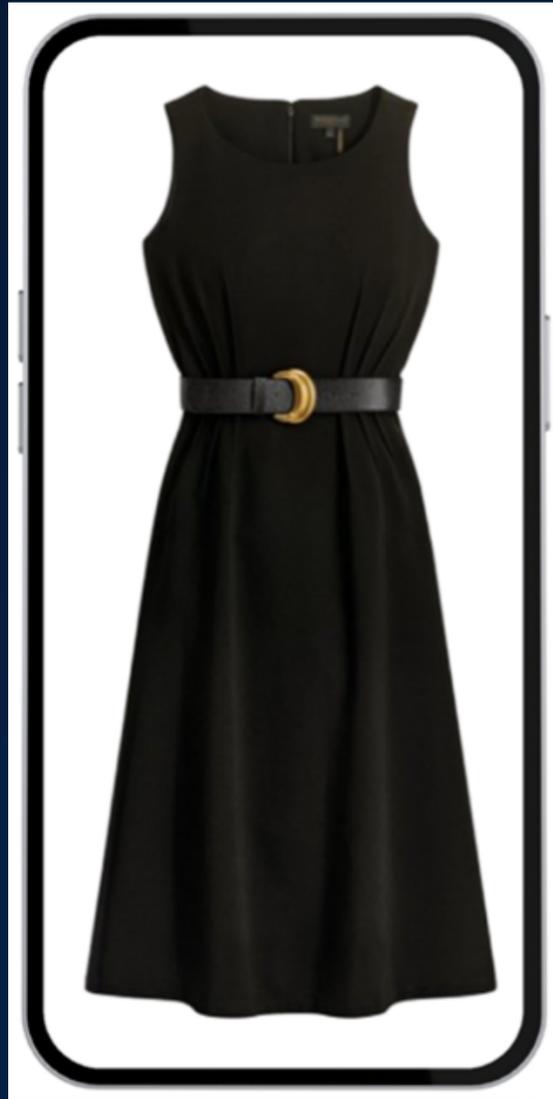
Pertimm Brain > GEN-AI

AI-Based Image Generation

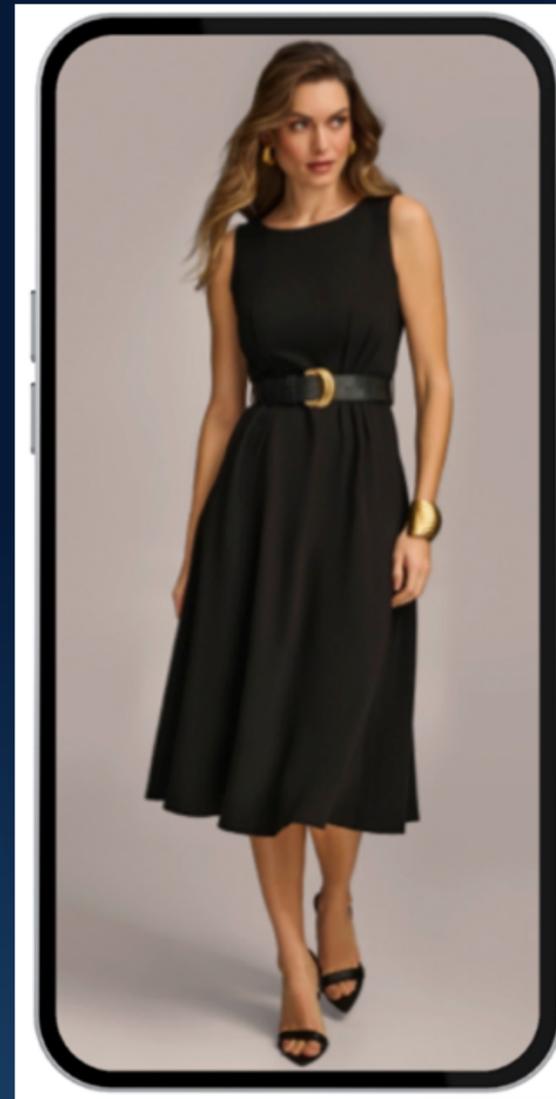


Generation of varied models and backgrounds: Based on photos of the original product, the AI generated customizable models on demand, with optimized backgrounds to highlight the product.

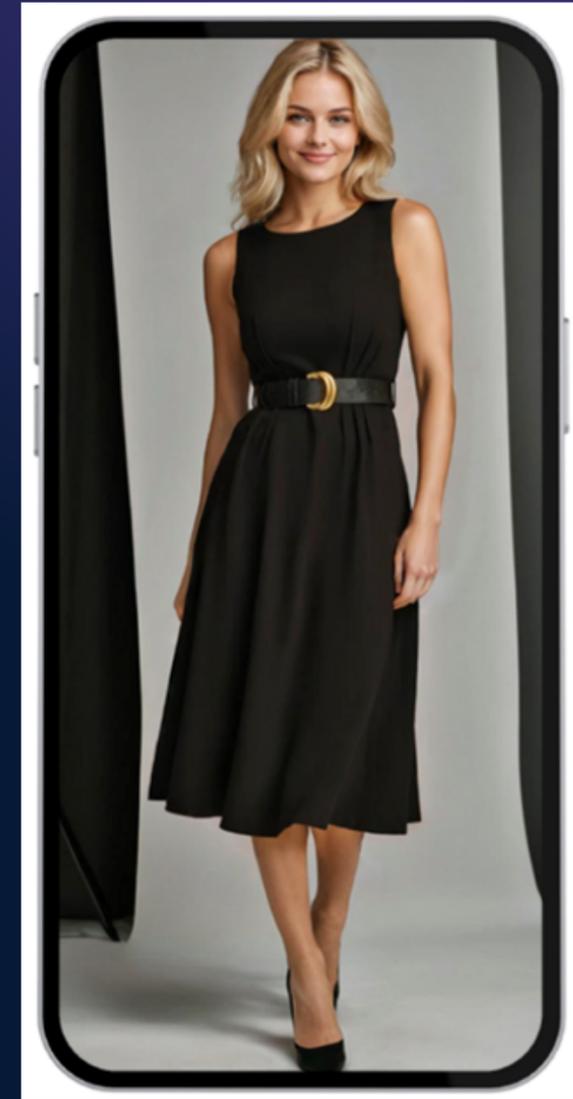
Product image generation (Client: DKNY)



*Original product photo,
laid flat*

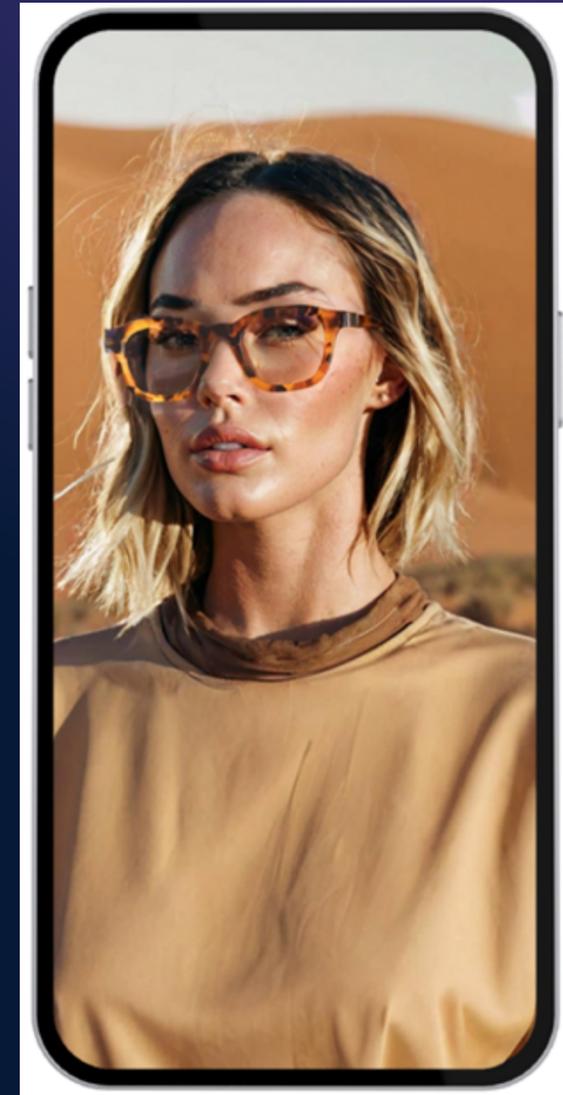
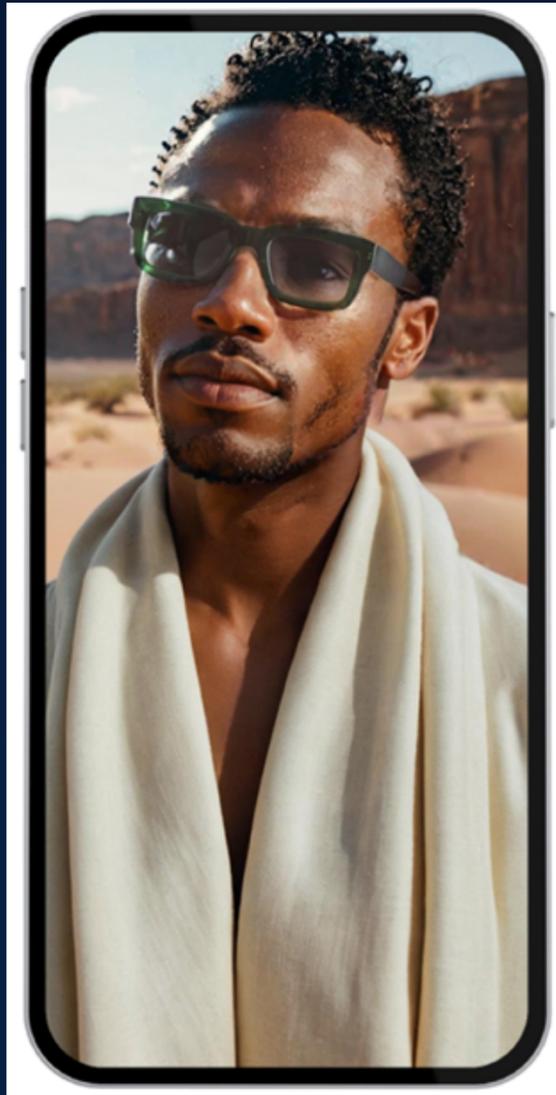


*Mediterranean brunette
model*



*Scandinavian blonde
model*

Product image generation (Client USA)

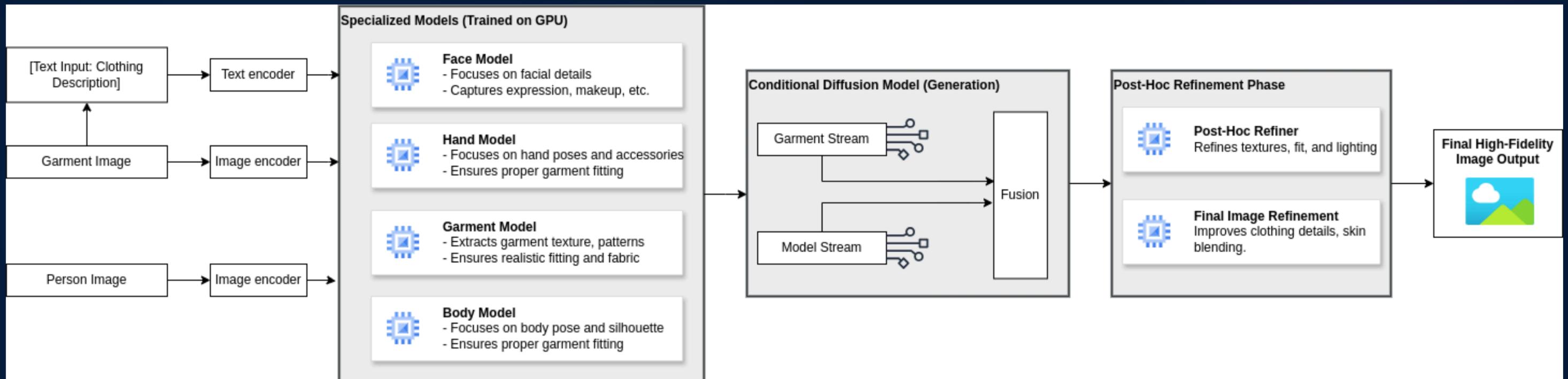


Generation of inclusive models and varied backgrounds: Based on product photos, Brain created models of diverse genders and ethnicities, styled according to the eyewear, with backgrounds adapted to highlight the product.

Our technology

Revolutionizing image generation:

- Personalize model processing through the integration of live streaming.



Text recognition + Artificial Intelligence

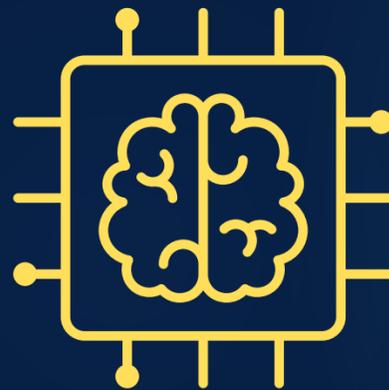


Text detection with
OCR



- 1: FISHERPRICE 0.998
- 2: UN APPRENTISSAGE LUMINEUX 0.983
- 3: CHANGEZ 0.997
- 4: EVEIL 0.997
- 5: L'ACTIVITE 0.948
- 6: ET LUDIQUE DE A A Z! 0.892
- QUE 0.992
- GRANDIT! 0.977
- PLUS100 0.948
- SONS, CHANSONS, 0.891
- MELODIES ET PHRASES! 0.982
- APPUYEZ 0.998
- SUR N'IMPORTE 0.955
- QUELLE APPLICATION! 0.898
- 0023 0.845
- PERMET D'APPRENDRE 0.986
- LAUGH&LEARN 0.988
- L'ALPHABET 0.981
- 19: 12-36 0.992
- 20: LES OBJETS DE LA MAISON 0.981
- 21: RIRES & EVEIL 0.931
- 22: M 0.979
- 23: LES COULEURS 0.989

Processing via AI
model



Feedback to user
interface



```
[7] ✓ 0.3s
... {
  "recommendation": "12-36 months",
  "packaging": "true"
}
```

Pertimm Brain Copilot

Answer questions

Get answers ranging from simple facts to complex questions, as well as article or data summaries — all in one place.

Explore topics in depth

Pertimm's Copilot feature offers a guided AI-powered search experience, allowing you to dive deep into topics and discover new insights.

Brain Copilot

Interact with your data

Ask questions about your files and search through your data without leaving the platform. Get a complete overview of your project in one place.

Pertimm Brain Copilot



Interface

A user-first interface that makes it easy to ask questions and navigate through your data.

Assistant

Ask any question you like about data specific to your business.

Database

It's often easier to navigate tabular data than to try to reach it by asking questions.

Search + LLM

For natural answers to your B2B questions, we've designed a solution combining a search engine with a data model.

Data Security

Our obfuscation system ensures secure use of LLMs without exposing users' sensitive data.

Pertimm Brain Copilot



Mon Intelligence Aprium

Mon assistant Mes opérations Trades

Bonjour, je m'appelle MIA !
Je suis là pour répondre à vos questions concernant l'univers Aprium.
Vous pouvez me poser des questions comme "Où acheter des blouses".
Vous avez également accès à deux onglets juste au dessus : "Mes opérations" et "Trades".
C'est à vous !

Quelle est ma remise sur le laboratoire UPSA

Vous pourrez trouver les informations en suivant ce lien : [Conditions pour le laboratoire UPSA](#)

Je n'ai plus de carte A+ comment en commander ?

Pour commander une nouvelle carte A+, vous devez vous rendre sur MonAprium en cliquant sur ce lien : [lien](#). Ensuite, vous devrez renvoyer le bon de commande par e-mail à Aquitem sur reassorts@aquitem.fr.

Thank you

Charles PUAUX

CEO



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