GREEN CONVENIENCE
Presence Prediction

Personalized AI-optimized Delivery

An AI that enables logistics systems to automatically produce successful first delivery attempts

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WIPANO
HESSEN Hessisches Ministerium für Wirtschaft, Energie, Verkehr und Wohnen

SOLUTION

Green Convenience AI

For a more efficient & customer-friendly last mile

Start Explainer Video
(1:49 Min)

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We offer everything end-to-end, for AI-based Delivery & Pick-up

Shopping app integration and driver apps with integrated AI routing

Compatible with the top routing systems on the market

Additional increase in efficiency by upgrading to top routing systems

99 % successful first Delivery & Pick up attempts

Thanks to real-time input into our customers' routing systems via our API

45% lower costs, satisfied customers

Automated delivery success leads to reduced operating costs and outstanding service

Optimized routes through presence prediction

AI predicitions based on individual mobility patterns

Anonymised, certified, GDPR-compliant & patent pending

Thanks to our cutting-edge technology, any misuse is practically impossible

COMPARISON

Green Convenience AI creates the most efficient home deliveries

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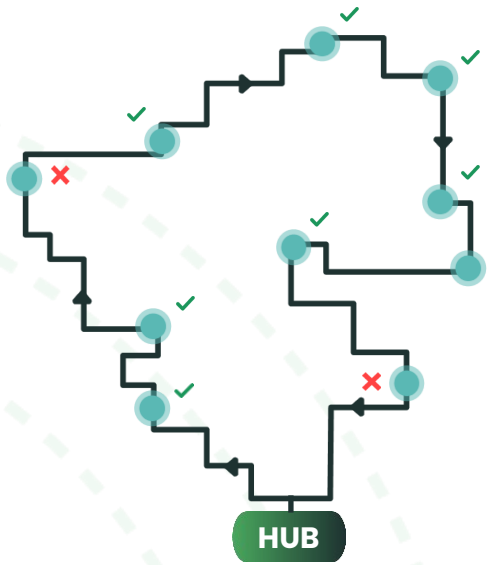
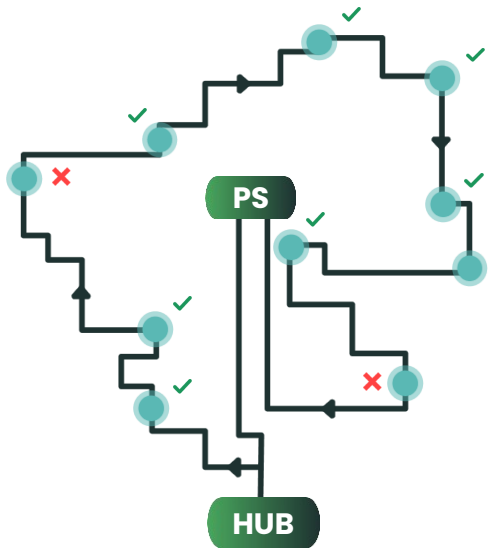
Without parcel shop



8 parcels delivered
2 failed delivery attempts

= New delivery attempts needed

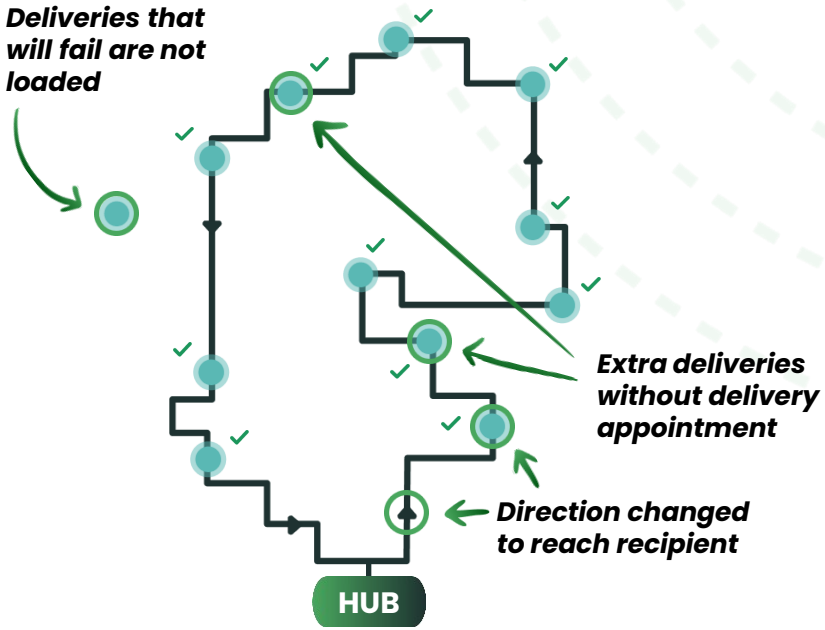
With parcel shop



8 parcels delivered
2 failed delivery attempts

= Storage in parcel shop

With Green Convenience AI



11 parcels delivered

- No repeated delivery attempts
- No storage in parcel shop
- Shorter route (tour & per package)

HUB Distribution center
PS Parcel shop
Delivery address
Optimization
Successful delivery attempt
Failed delivery attempt because of absence

SOLUTION

The best possible delivery experience inspires customers

Personalized AI-optimized delivery creates the best possible delivery experience through automated delivery success on the first attempt

Sustainability

More efficient routes and fewer delivery attempts & pick-up journeys

Comfort

No effort at all =
No picking up, waiting or interacting

Speed

Arrived directly =
Customer has the shipment faster

Relief

No liability risks as with drop-off on the property

Quality

Accepted directly instead of being exposed to the weather outside the door

Security

Attended delivery and direct handover

Privacy

Personal data remains on the mobile phone

SOLUTION

The best possible shipping experience inspires customers

Personalized AI-optimized pick-up creates the match of driver and shipper automatically without having to wait during appointments

Sustainability

No driving to the parcel shop - collection is integrated into existing routes

Comfort

Automated collection at the apartment door

Easy Setup

Select shipping/returns & label or QR code is automatically generated

Relief

No liability risks as with drop-off on the property

Free time

More time for more important things

Freedom

Automated collection success without having to wait in a time window

Privacy

Personal data remains on the mobile phone

SOLUTION – Green Convenience AI

Conversion of anonymized cell phone location data into automatic route updates for successful first delivery attempts

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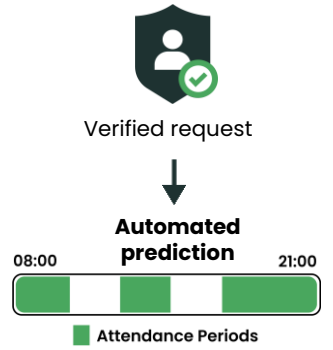
1. Learning: Improve Planning

- Compatible with any app SDK
- Anonymous data processing, certified GDPR compliant
- AI learns and becomes more accurate in determining attendance periods

2. Planning

- Secure request via verification and cryptographic key
- AI determines the attendance periods
- Planning system creates optimal route considering attendance prediction



4. Execute (Deliver & Collect)

- Successful initial delivery/ live optimization in case of absence
- Delivery process finished -> Cryptographic key deleted
- Evaluation for BI analysis and deep learning (AI)

3. Release

- Fully automated route planning - dispatcher has the option to intervene in the planning process
- Determination of transport costs and emissions
- Automatic transfer to the navigation or POD app

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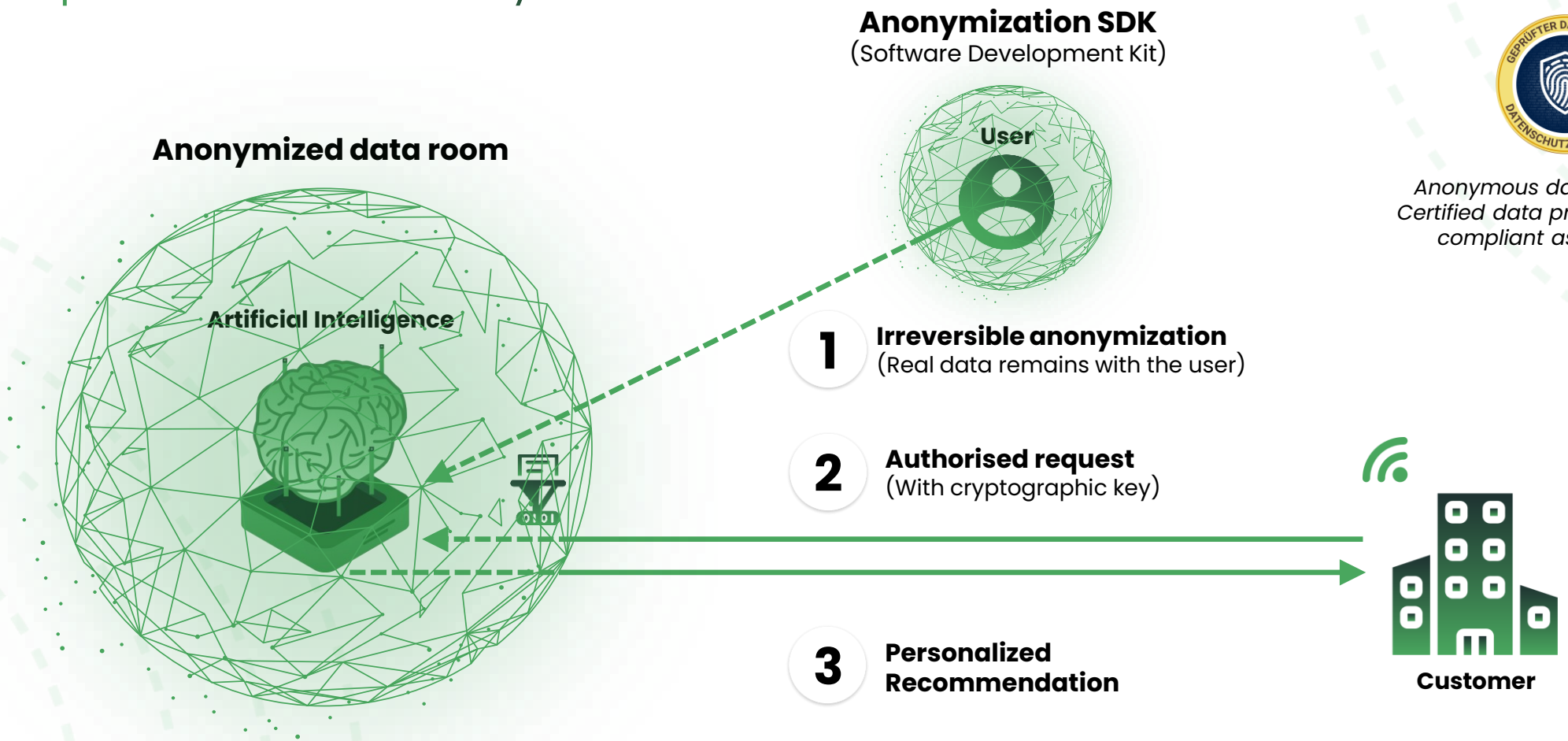
Anonymous Personalization (Patent Pending)

GDPR-compliant thanks to anonymized data



GEPRÜFTER DATENSCHUTZ
DATENSCHUTZ FRANKFURT

Anonymous data processing Certified data protection/GDPR-compliant as of 03/2023

Highly simplified illustration - Copyright Green Convenience GmbH - All rights reserved - Patent Pending in 156 countries

SOLUTION

Personalized delivery & collection with AI
Optimises efficiency & service quality

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Green Convenience AI

- Personalized delivery
- Personalized returns
- Personalized shipping from home
- Automated notifications in the event of absence

- Preselected delivery window (optional)

One click to the demo:

SDK DEMO

Dashboard DEMO

Only Green Convenience AI enables all six criteria for an efficient & customer friendly Last Mile

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Solution Approaches

LAST MILE PROBLEM

Solution Criteria	Green Convenience Presence Prediction	Parcel shop, Boxes, Lockers	Trunk/Garage Delivery	Smart doors	Drone delivery	Other Software	Autonomous cars	Delivery Robotics
1. Successful 1st delivery	✓							
2. No cost No effort	✓							
3. No waiting required	✓	✓	✓	✓	✓			
4. Variable delivery	✓	✓	✓	✓	✓			
5. Easily scalable	✓					✓		
6. All shipment types	✓			✓		✓	✓	

*With direct Handover
**For consumers

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Consideration of the special needs of three different customer segments in B2C logistics

1

B2C online stores

Use Green Convenience AI for a better customer experience leading to referrals, improved loyalty and increased Customer Lifetime Value

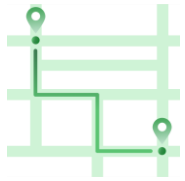
Green Convenience AI is simply integrated into an existing store app. Alternatively, we can provide a store app with integrated Green Convenience AI in the store's branding.

The optimizations can be used in the retailer´s own delivery systems or the systems of delivery partners. On request, we can provide complete delivery systems with integrated Green Convenience AI.

2

B2C delivery partner

Use Green Convenience AI to reduce delivery cost, delays, storage cost, liability claims, interaction effort and customer service requests while optimizing the offered Service Level for their customers.

3 

Delivery-related software providers

Use Green Convenience AI to improve their offering, create superior value for their customers and thrive their businesses.

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We are grateful for strong partnerships

"Thanks to the Green Convenience solution, we automatically avoid failed delivery attempts, which increases service quality and efficiency for our customers."

Max Gath
Managing Director

XTL

"I am convinced that the combination of Green Convenience's highly innovative AI solution and our proven and efficient optimization algorithms brings real added value that the logistics market needs."

Dr. Michael Nutto
Principal Business Development Manager

PTV LOGISTICS

„What impressed me at first glance is that the solution does not only improve customer satisfaction, but also the operator's productivity!"

Dr. Manfred Rudhart
Ex-CEO

DB Regio

„The need for the solution is overwhelming, it will sell by itself !"

Christian Schmidt
CEO & Shareholder

GO! EXPRESS & LOGISTICS

Google for Startups

aws

TECHNISCHE UNIVERSITÄT DARMSTADT

BdKEP Bundesverband der Kurier-Express-Post-Dienste e.V.

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Federal Ministry of Education and Research

WIPANO

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HESSEN Ministry for Economic Affairs, Energy, Transport and Housing State of Hessen

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ZukunftHandel Eine Initiative für digitales Handeln HDE Handelsverband Deutschland Google

GRÜNDER WETTBEWERB promotion Nordhessen

esa BUSINESS INCUBATION CENTRE Hessen

DLR Deutsches Zentrum für Luft- und Raumfahrt German Aerospace Center

Let’s get in touch!

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