

DPDHL Group, the world's leading logistics company

- 570,000 employees worldwide
- Active in 220 countries
- In 2020, the Group generated revenues of more than **66 billion Euros**



eCommerce Solutions



Post & Parcel Germany



Express



Global Forwarding, Freight



Supply Chain

Reducing emissions and setting targets for climate protection

The DPDHL Group will invest €7 billion until 2030 in Clean Operations to reduce our emissions to under 29 million tons by 2030 as part of the Science Based Targets initiative (SBTi)





Target >30% Sustainable Aviation Fuels blending by 2030 in our airfreight business



& grow sustainable fuel share in line-haul on average to >30% by 2030



Carbon neutral design to be used for all new buildings



Increase the usage of **Sustainable Marine Fuel** for our FCL & LCL shipments



Offer green alternatives for all of our core products/solutions by using, for example sustainable fuels and low carbon technologies

Our sustainability roadmap – real examples from DHL Parcel Benelux

We can't create a lasting positive impact unless we follow a clear strategy. Within Parcel Benelux, Sustainability mirrors the DPDHL Group roadmap, focussed on 3 key commitments:

- Clean operations for climate protection
- Great company to work for all
- Highly trusted company

And in addition to the above 3 commitments, we also aim to **create lasting impact** in the communities we operate in **through our Go Programs**



Ideal CityHub structure; short routes

- The CityHubs are situated close to city centres or central in rural areas
- Large cities have 2 to 5 CityHubs
- With 139 CityHubs we keep our routes short and efficient.
 As a result we can deliver with smaller vehicles
- Electrification is possible far better
- The CityHub is supplied by 3 National and 14 Regional hubs

The Netherlands

- 355 municipalities
- 4.100 postal codes
- 220.000 streets

DHL Parcel / day

- 6.000 tours
- 800K parcels

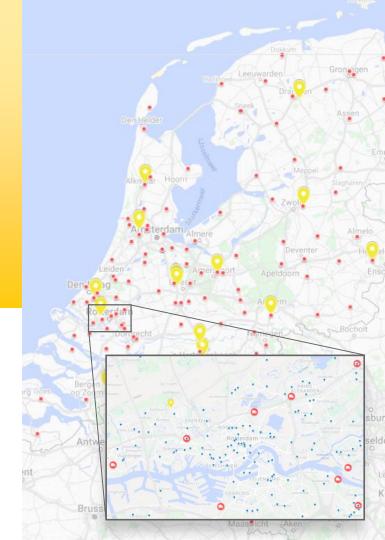
Our daily operation

- 17 tours per municipality
- 1,5 tours per postal code
- 4 parcels per street

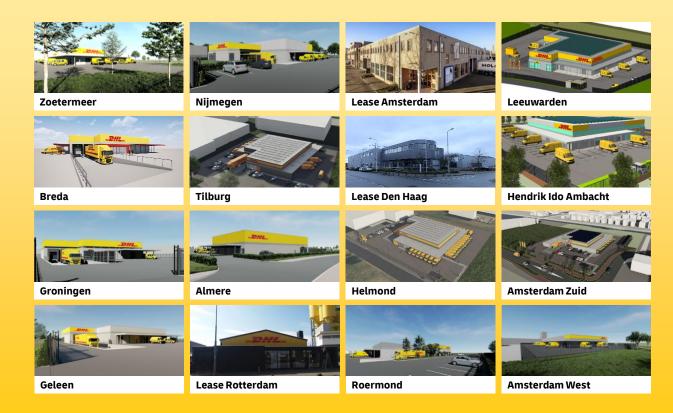
Amsterdam

• 400 per postal code

• 7,5 parcels per street



Securing Real Estate 26 positions in the Netherlands to accommodate future green growth

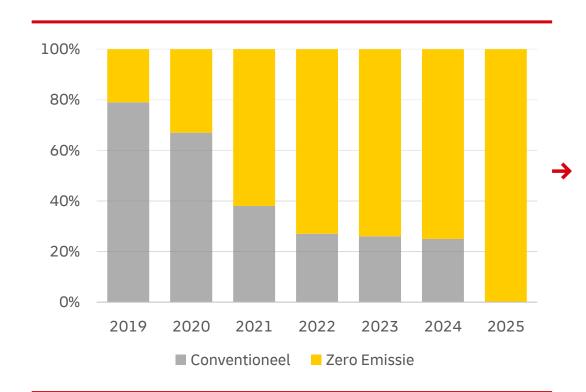


INVESTING

GOGREEN €150M

We electrify our Last Mile

- CityHubs are located on the edges of cities or centrally in rural areas, large cities have 2 to 5 CityHubs
- This also makes electrification easier.
 Currently we will have over 1.400
 electric routes, being the largest eFleet
- This will increase to +2.200 in 2022, also starting in Belgium
- By 2025 all own LM vans will be electric



No. 1 eFleet in the Netherlands

Clean operations for climate protection







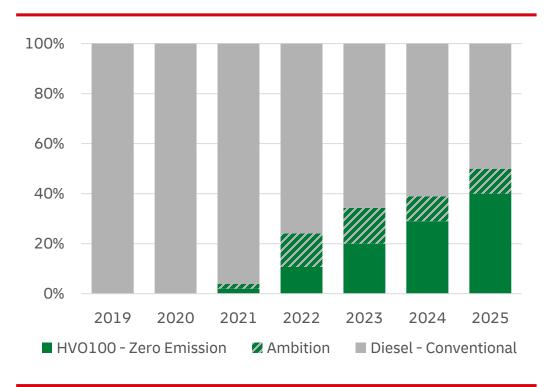




1400 = largest E- fleet in the Benelux



Ramp up use of HVO100 & BioFuels



Use for DHL

- Successful pilot in Zwolle
- Will be rolled out in BNL network
- Both own and Service Partners (Network & Last Mile)

Each 10% HVO100 growth

16 gr. CO₂ per parcel

(B2C BNL)

The results for our customers

000 E34414

REDUCTION OF CARBON EMISSIONS



COMPENSATE & INSIGHT CARBON EMISSIONS



CLIMATE NEUTRAL DELIVERY

Great news! This parcel is delivered climate neutral. From now on receiving even more green parcels? Then choose pick up from a DHL ServicePoint.



Read more about GoGreen

Understand CO₂ emission related to Parcel delivered at consumer (2020)



2020 NL B2C Average:

350 gr. CO₂ (eCom, DFY, C2C)

2021 NL B2C Estimate:

330 gr. CO₂

EVERY REDUCTION, SMALL OR BIG, MATTERS!

The Right Perspective & Awareness -> Parcel = 330 Gram CO2 - compared to:

















Reduce & Rethink packaging

2 Different projects

- 1) Rethink packaging: Our Easy Green Capsule is born
- Tests with customers to test their reusable packaging
- 2) Minimize our own material
- Lean Sig Sigma/First choice initiative to reduce waist materials such as foils







Problem

The growth of eCommerce deliveries....



is increasing "one-way" waste.



Our Aim is:

- To reduce waste (packaging & fillers)
- 2) Attract new customers (and improve loyalty of existing ones)
- Improve consignee experience (less time crushing boxes, sorting waste)





Barriers to entry

Cooperation between customer – consumer – logistics provider – manufacturer + willingness to co-invest in such solutions Policy – EU Packaging and Packaging waste directive + local policies that encourage the use of reusable packaging

> Lack of education and standards – ISO and BSI Kitemarks

Excessive branding needs

General adoption of reusable packaging





The EasyGreen Packaging Solution



- Robust & Secure
- Collapsible
- Sustainable





Process

Visibility

Premium experience,
Personal attention at delivery;
Approved for the highest level of ecofriendliness by Ellen MacArthur
Foundation and UN University.



- Capsules positioned for returns
- X-BU option







Physical solution – The EasyGreen Capsule

- Water proof;
- Dustproof;
- Tear proof;
- Stackable;
- Unique sealing mechanism;
- Made of polypropylene and cardboard;
- Air cushioning protection system for small items;
- 3 times more resistant than the DHL cardboard box.









Physical solution – The EasyGreen Boxbag

Our sustainable solution to the FAT PACK Issue!

- Adaptable in size (3 in 1)
- Water proof
- Dustproof
- Tear proof
- Polypropelene

- · Light weighted
- Similar protection to a box
- Similar adaptiveness and weight to a flyer





"EASY, NATURAL AND LOGICAL!"

- Mihai Panait, Consignee





Greener



More efficient



Increased customer loyalty



Better end consumer satisfaction



Closed Loop model



Delivery options

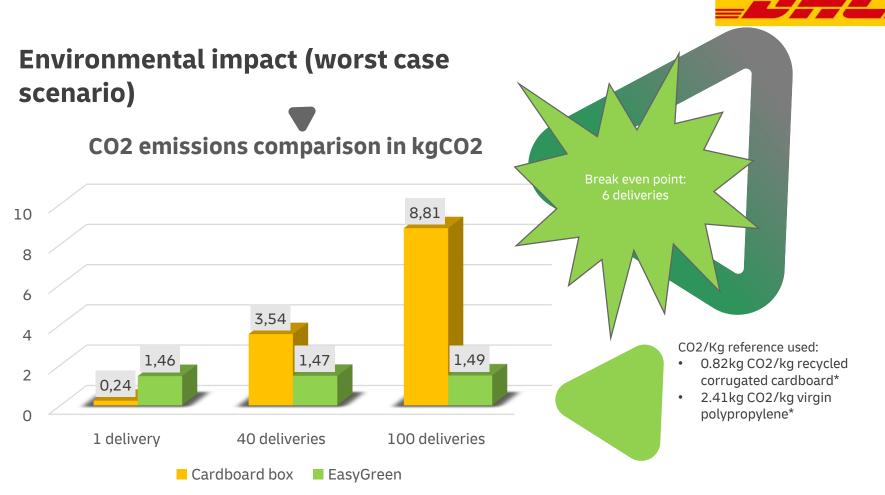


Naked delivery Highly sustainable We can make capsule

deliveryBetter protection
The customer can still
enjoy the box

Semi-naked

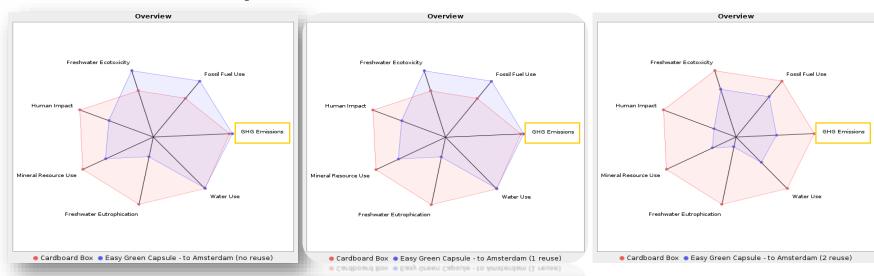




^{*}Evaluation of life cycle inventory data for recycling systems, Brogaard, Line Kai-Sørensen; Damgaard, Anders; Jensen, Morten Bang; Barlaz, Morton; Christensen, Thomas Højlund, 2014.



Environmental impact



- The GHG emissions of the Easy Green Capsule is 4% more than that of the Cardboard Box on its own (without reuse)
- However, GHG emissions from the Easy Green Capsule is *less* than using a conventional cardboard box by the time the capsule has been *reused 2 times* compared to a conventional cardboard box, meaning that the Easy Green Capsule reaches its GHG emissions breakeven point after it has gone through 2 complete reuse cycles.



PAST TRIALS



Express

End-to-end process- Roemania



P&P & DHL Express

Packaging Quality

Operational testing in Leipzig-Lab



Supply Chain's warehouse

Poland



Starting trials



United Kingdom

DHL Express trial in Maidstone $\label{eq:company} Shoe\ company\ customer \\ Start\ 7^{th}\ February$

Thailand

DHL Supply Chain in Bangkok Multiple customers

Start end of February

Netherlands

DHL Express Amsterdam

New accounts

Start end of February

