



## ESG Roadmap 2030 aims and objectives

### Clean operations for climate protection



#### Focus

Reducing logistics-related GHG emissions

#### Measures

- Use of sustainable technologies and fuels
- Road fleet electrification<sup>1</sup>
- Climate-neutral design of new buildings<sup>2</sup>
- Green product portfolio

#### KPI

Realized Decarbonization Effects<sup>3</sup>

### Great company to work for all



#### Focus

- Employee engagement
- Diversity and inclusion
- Occupational safety and health

#### Measures

- Attract and retain the best talent
- Actively promote equal opportunities
- Healthy and safe work environment

#### KPIs

- Employee Engagement
- Share of women in executive positions
- Lost time injury frequency rate (LTIFR) per 200,000 hours worked

### Highly trusted company



#### Focus

- Compliance: Rendering our services in compliance with current legislation and in accordance with our own values
- Cybersecurity
- Respect for human rights

#### Measures

- Compliance-relevant trainings
- Cybersecurity skills
- Sustainable supplier relations

#### KPIs

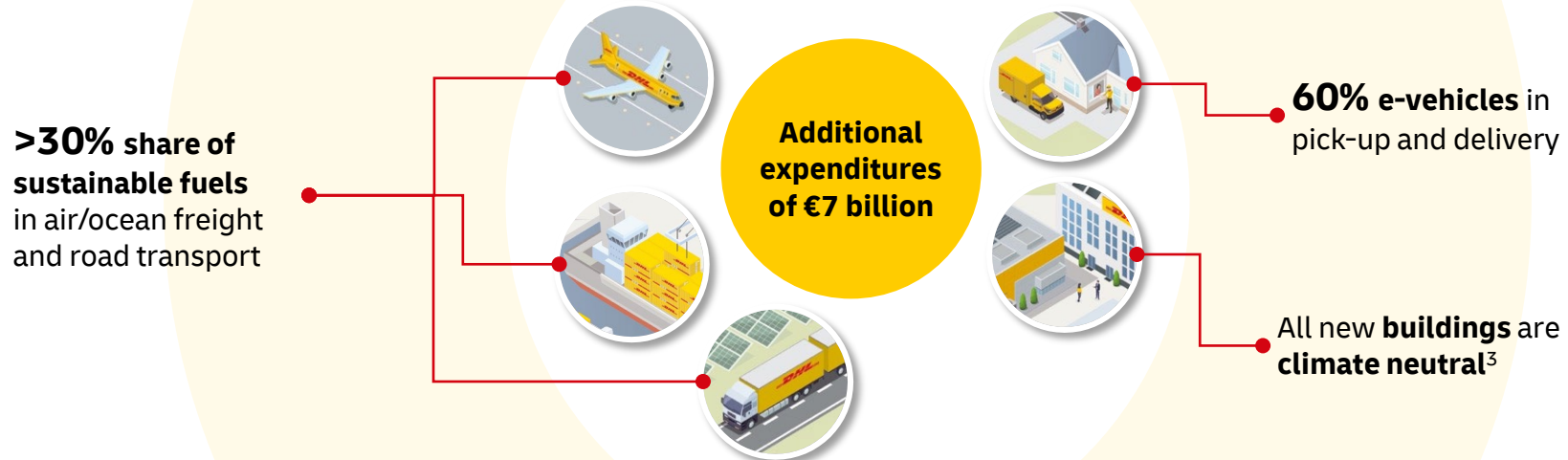
- Share of valid training certificates
- Cybersecurity: Under development
- Audits relating to human rights

<sup>1</sup> In pick-up and delivery. <sup>2</sup> Owned buildings. <sup>3</sup> Management-relevant.

## Our goals on the path to climate-neutral logistics by 2050

**By 2050**, reduce logistics-related GHG emissions<sup>1</sup> to net zero<sup>2</sup> (Scopes 1 to 3, excluding offsetting).

**By 2030**, additional expenditures of up to €7 billion earmarked for sustainable technologies and fuels.



**Joint effort and engagement:** Working together with customers, transportation partners and industry partners on initiatives to reduce fuel consumption and GHG emissions; procuring data needed for targeted subcontractor management.

<sup>1</sup> Basis for GHG emissions calculation (well-to-wheel): Greenhouse Gas Protocol, DIN EN 16258 and Global Logistics Emissions Council Framework. <sup>2</sup> Reduction to unavoidable minimum, which is to be fully compensated by recognized countermeasures (without offsetting). <sup>3</sup> New owned buildings.



# Our path to climate-neutral logistics: reducing logistics-related GHG emissions by 2030



We aim to significantly reduce our carbon footprint by 2030 with the help of sustainable technologies and fuels.

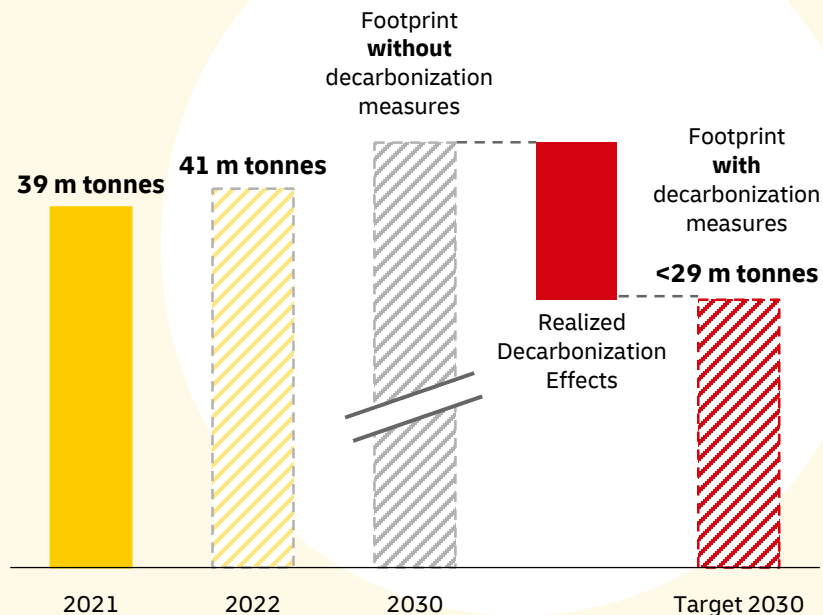
## Results 2021

- **728 kilotonnes CO<sub>2</sub>e**  
Realized Decarbonization Effects
- Further reduction of **172 kilotonnes CO<sub>2</sub>e**  
by means of mandatory biofuel blends

## Planning 2022

- Increase to 41 million tonnes CO<sub>2</sub>e expected
- Realized Decarbonization Effects  
of 969 kilotonnes CO<sub>2</sub>e

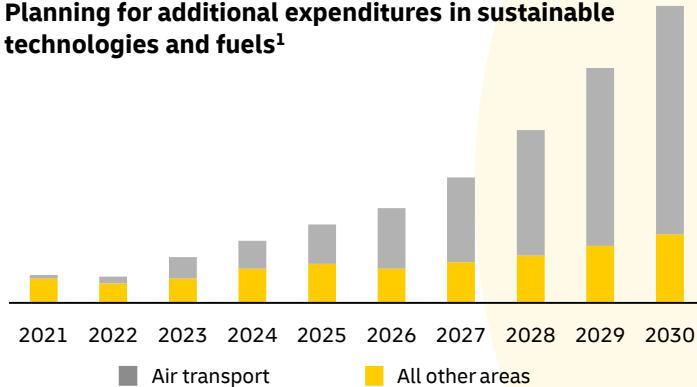
## Trends in GHG emissions (million tonnes CO<sub>2</sub>e)



## Planning for additional expenditures of up to €7 billion

Our focus is on emission and consumption-intensive modes of transportation and expanding our e-vehicle fleet in pick-up and delivery. We also aim to further decarbonize purchased capacity for ocean freight. In addition, we aim to make the design of all new Group-owned buildings climate neutral.

Planning for additional expenditures in sustainable technologies and fuels<sup>1</sup>



### Additional expenditures in 2021

- **€28 million** used for the purchase of sustainable fuels<sup>1</sup>; share of sustainable fuels 1.3%
- **€115 million** used for electrification of the fleet; approx. 20,700 e-vehicles currently deployed
- **€13 million** used for climate-neutral building technology

**Additional expenditures of €156m in 2021**

<sup>1</sup> Without mandatory blending.

# Trends in logistics-related GHG emissions: Our carbon footprint 2021

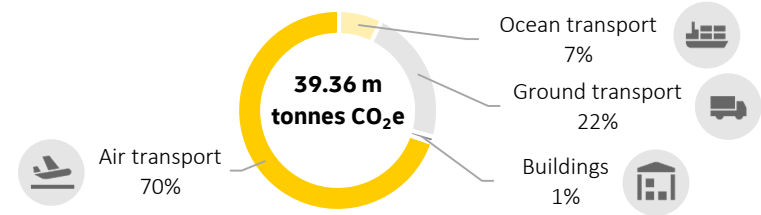
## Reporting switched to well-to-wheel:

Measurement along the entire process chain  
(including energy supply)

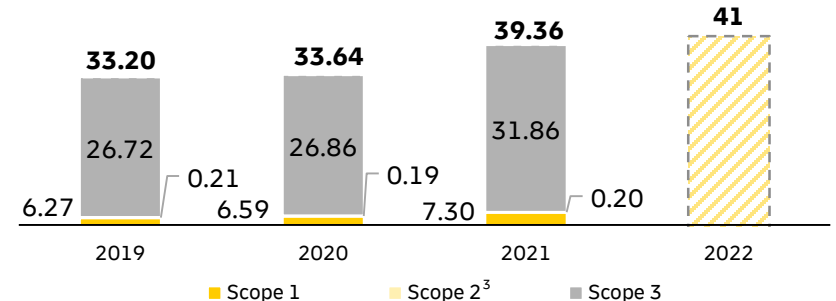
## GHG emissions increased to 39 million tonnes CO<sub>2</sub>e in 2021

- Scope 3 emissions and air freight are the biggest drivers
- Increase mainly due to business growth and COVID-19 effects<sup>2</sup>
- GHG efficiency dropped to 36 index points

GHG emissions by mode of transportation in 2021



Trends in GHG emissions (million tonnes CO<sub>2</sub>e)



<sup>1</sup> Basis for GHG emissions calculation: Greenhouse Gas Protocol, DIN EN 16258, Global Logistics Emissions Council.

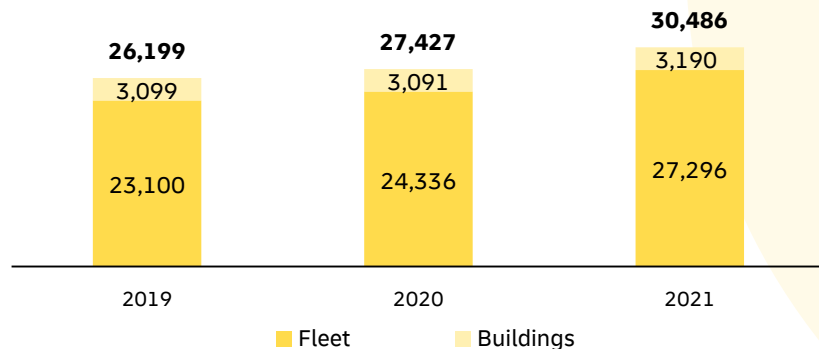
<sup>2</sup> Incl. lower number of scheduled flights and increased emissions for cargo transported therein due to lower utilization of passenger cabins. <sup>3</sup> Market-based method.

## Energy consumption 2021 – owned fleets and buildings (Scopes 1 and 2)

Total energy consumption rose to 30,486 million kWh.

- Air transport consumption increased by 5.4%
- Road transportation consumption decreased by 8.0%
- Share of electricity from renewable sources continuously high

Trends in energy use (million kWh)



**2021**  
86% electricity  
from renewable  
sources



**2021**  
325 million kWh  
of sustainable fuel  
used by the fleet



# Environmental management, alternative drive systems, electricity from renewable sources in 2021

## AMERICAS



**1,100 vehicles** with alternative drive systems



**96% electricity** from renewable energy sources

## MIDDLE EAST/AFRICA



**45% electricity** from renewable energy sources

## ISO-CERTIFIED SITES

**58% of the 12,600 sites are ISO certified**

- 5,900 according to ISO 14001
- 6,400 according to ISO 50001
- 5,000 according to both

## EUROPE



**24,200 vehicles** with alternative drive systems



**94% electricity** from renewable energy sources

## ASIA PACIFIC



**800 vehicles** with alternative drive systems



**61% electricity** from renewable energy sources



# OUR MEASURES





## Measures for sustainable air freight by 2030

### Sustainable fuels (SAF)

- Blending ratio of >30% SAF by 2030 (Scopes 1 and 3)
- Strategic partnerships with SAF producers and freight carriers

### Fleet modernization

Ongoing replacement of aircraft and deployment of e-planes

### Increasing efficiency

- Improve weight load
- Optimize network structure and design
- Select more sustainable air freight partners



### Driving innovation

- Drive development of e-planes
- Promote power-to-liquid SAF plants

### Reduce GHG emissions in ground handling

Greater use of electrification and hydrogen technology at our major hubs

### Sustainable product alternatives

- Express: Low-emission TDI solutions<sup>1</sup>
- Global Forwarding: Air freight solutions with sustainable fuels (additional service fee for customers)

<sup>1</sup> TDI: Time Definite International.

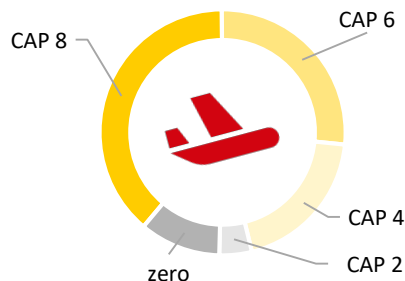
## Modern air fleet 2021

Our air fleet comprises >320 dedicated cargo aircraft.

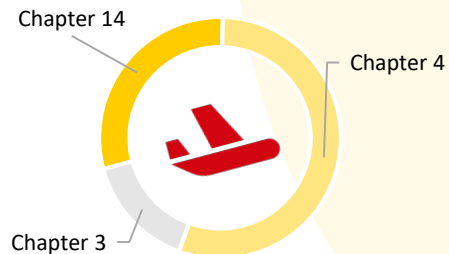
We are continuously modernizing the aircraft we own.

- 22 Boeing 777 freighters<sup>1</sup> ordered: 14 in operation
- 12 Alice e-planes ordered; delivery starting 2024

**Aircraft<sup>2</sup> by NO<sub>x</sub> emission standards**



**Aircraft<sup>2</sup> by noise regulation standards**



<sup>1</sup> Efficiency gains of 18% compared with predecessor models plus lower fuel consumption. <sup>2</sup> Excluding feeder aircraft.



## More and more airports now offering SAF: Express refuels at four airports



## Measures for sustainable ocean freight by 2030



### Sustainable Maritime Fuel blending

- The fuel product offering for both FCL<sup>1</sup> and LCL<sup>1</sup> transports (GoGreen Plus) drives the development and use of Sustainable Maritime Fuel (SMF)
- DPDHL Group is the first logistics service provider to offer climate-neutral LCL ocean freight transport products – at no additional cost to customers



### Network optimization

Helps drive down GHG emissions

### Strategic partnerships

- Encourage technological and process-based innovation
- Strengthen collaboration with SMF producers and carriers

<sup>1</sup> Full container load (FCL), Less than container load (LCL).

## Measures for sustainable road freight by 2030



### Environmentally-friendly delivery routes

Electrify 60% of last-mile delivery vehicles by 2030

### Sustainable fuels

Increase share of sustainable fuels to >30%

### Network optimization

Continuous network optimization for reduced fuel consumption

### Driver training

Programs to raise employee awareness for eco-friendly driving



### Green product portfolio

Insetting offers

### Drive innovation

- Drive development of hydrogen and electric trucks
- Increase market availability

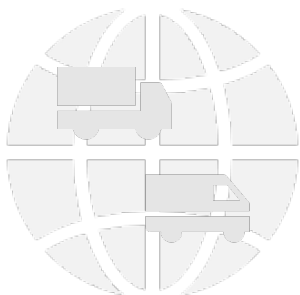
### Transport partner activation

- Foster subcontractors' green transport activities
- Define standards, offer training
- Incentivize investment in green transport solutions
- Transition from road to rail transport

## Modern road fleet 2021

**Our road fleet comprises 112,500 vehicles worldwide.**

- Conventional vehicles are continually upgraded
- 84,600 vehicles<sup>1</sup> comply with Euro emissions classification, of which
  - 25% are entirely emissions-free
  - 68% meet Euro 5 or 6 standards

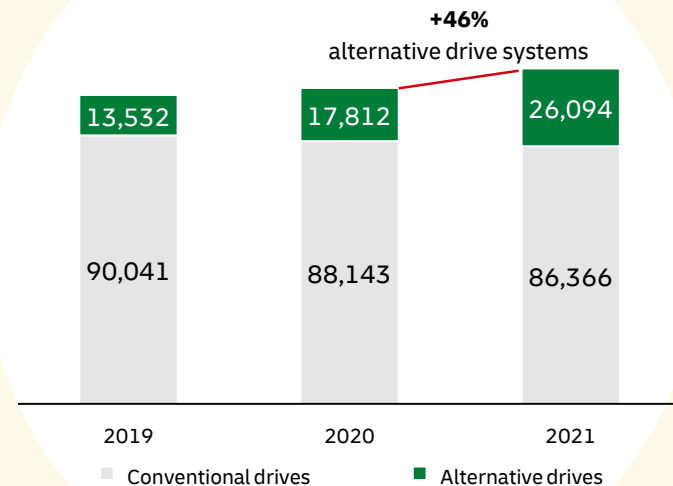


**2021**  
**23%** alternative  
drives fleet-wide



**2021**  
**21,400**  
e-vehicles  
**3,500**  
hybrid drive  
systems

### Alternative drives in road fleet



<sup>1</sup> Comprises the largest vehicle fleets in areas covered by the Euro emissions classifications (Europe, USA, Japan, China).





## Main levers in climate-neutral building design



### Climate-neutral building design

Starting in 2021, all new (owned) buildings built to be climate neutral

### Electricity from renewable sources

Increase share to >90% by 2030

### Sustainable heating systems

Increase use to >50% by 2030



### Purchasing power

Electricity procured directly from renewable and sustainable sources

### Sector coupling

Convert locally produced electricity from renewable sources into fuels for our e-vehicle fleet


### Building automation

Use digitalization and smart building management systems to further reduce energy consumption

## Green product portfolio

### Clean fuels and technologies



Decarbonization of logistics service by using sustainable fuels and technologies (GoGreen Plus) [Website](#) 

### Offsetting projects



Offsetting of customer GHG emissions<sup>1</sup> via certified climate protection projects

[Website](#) 

### Green optimization



Optimization of customer supply chains to reduce emissions, waste and other environmental impacts

### Transparency target:

Carbon reports for customers in all divisions

<sup>1</sup> This offsetting is not taken into account for the calculation of our carbon footprint.



## Biodiversity, noise pollution, natural resources, waste and recycling

These topics are not considered material for our company by us or our stakeholders. Our business models do not have a serious impact in these areas.

### Biodiversity

- Sites predominantly located in urban areas or designated industrial and commercial zones
- Operations do not have a direct negative impact on protected plants or animals
- Sustainable Fuel Policy takes account of biodiversity aspects during production



### Waste

- Avoid waste and digitalize processes
- Support recycling
- Contracts for maintenance and disposal encourage environmentally-friendly practices



### Noise pollution

- Working with stakeholders to develop solutions to ensure any noise pollution we cause is kept to an acceptable minimum
- Ongoing modernization of our fleets



### Water

- Mainly used by our employees for sanitary needs
- Maintenance or scrapping of our fleets is the responsibility of the manufacturer or other third-party providers



### Paper

We only use recycled paper<sup>1</sup>

<sup>1</sup> Where these meet our technical and economic requirements.