

# **DHL – PIONEERING VOLUNTARY SAF MARKETS WITH ISCC**

ISCC TECHNICAL STAKEHOLDER MEETING  
SUSTAINABLE AVIATION FUELS

SEPTEMBER 2025

Bettina Paschke

VP ESG Accounting, Reporting and Controlling at DHL Express



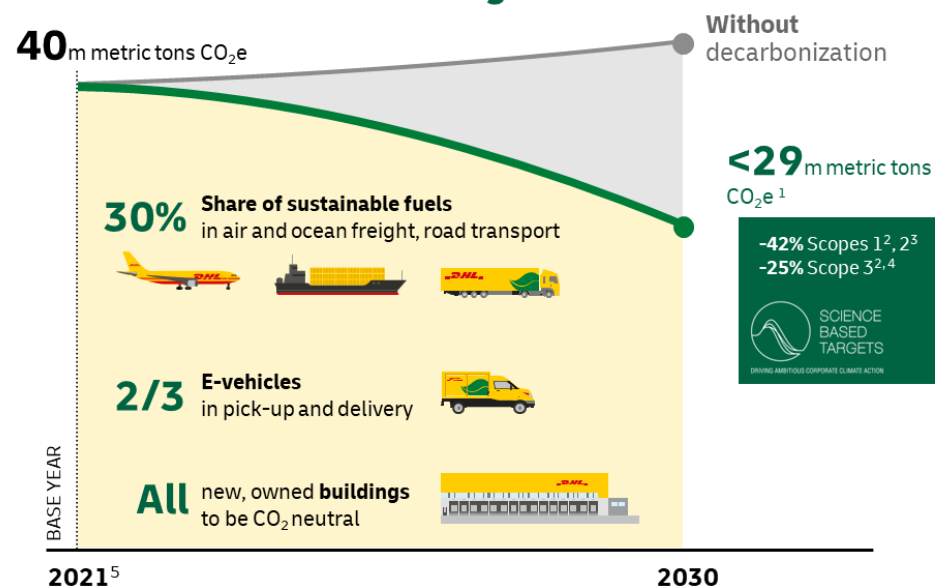
DHL GROUP STRATEGY 2030

# GREEN LOGISTICS OF CHOICE

**2030 TARGET**  
**REDUCE GHG EMISSIONS TO**  
**<29M METRIC TONS<sup>1</sup>**



## Decarbonization and targets<sup>2</sup>



1) Subject to potential restatement due to methodology updates or changes in business scope, e.g. due to M&A; 2) As of fiscal year 2022, including reduction effects from market-based processes; 3) Market-based method; 4) Logistics-related GHG categories: 3 Fuel and energy-related activities, 4 Upstream transportation and distribution, 6 Business travel.; 5) Includes the effect from the acquisition of the Hillebrand Group in fiscal year 2022, recognized starting in the 2022 Annual Report.

DHL – Pioneering Voluntary SAF Markets with ISCC | ISCC Technical Stakeholder Meeting SAF | September 2025

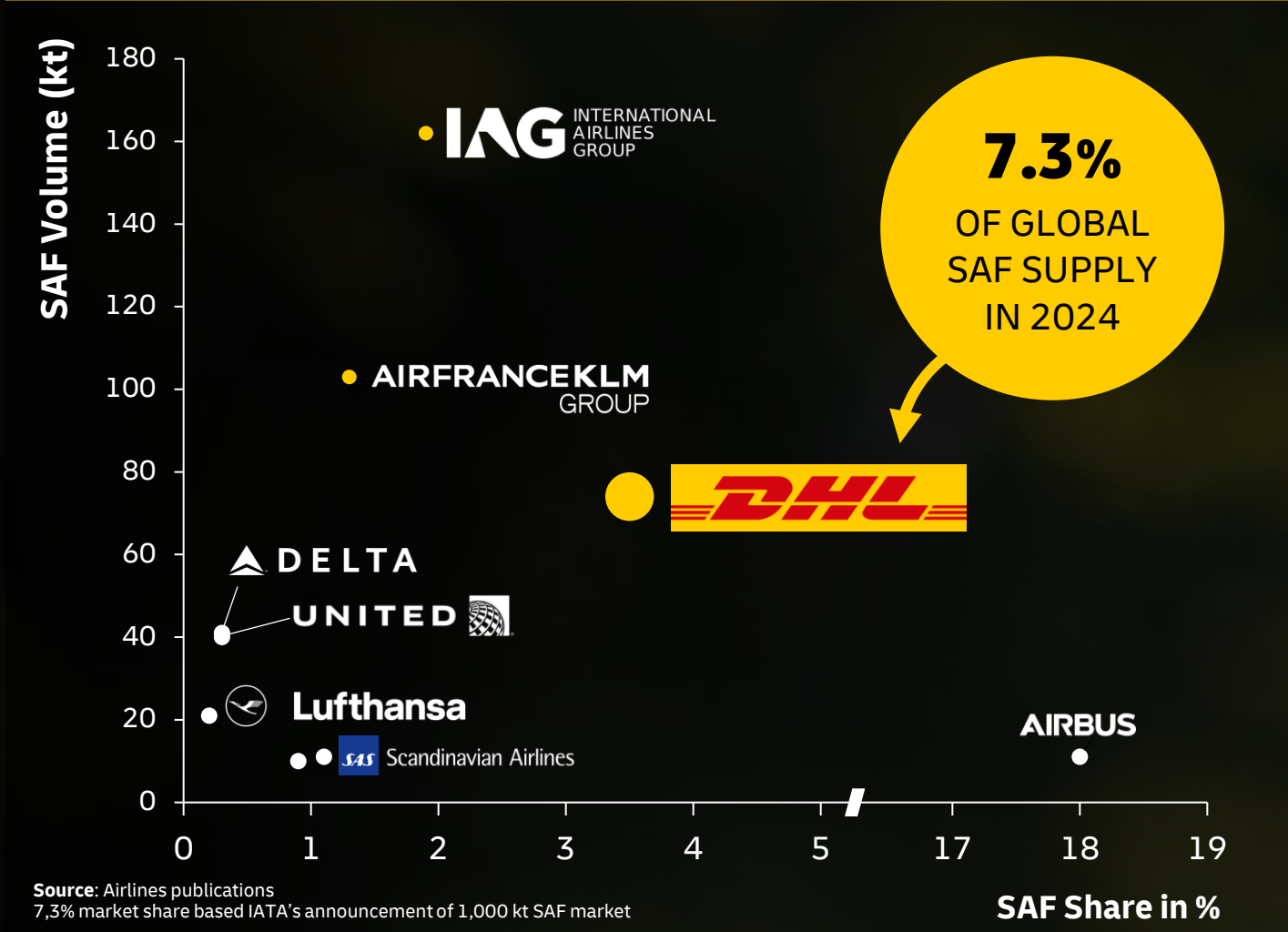


**2050 TARGET**  
**NET ZERO GHG**  
**EMISSIONS**

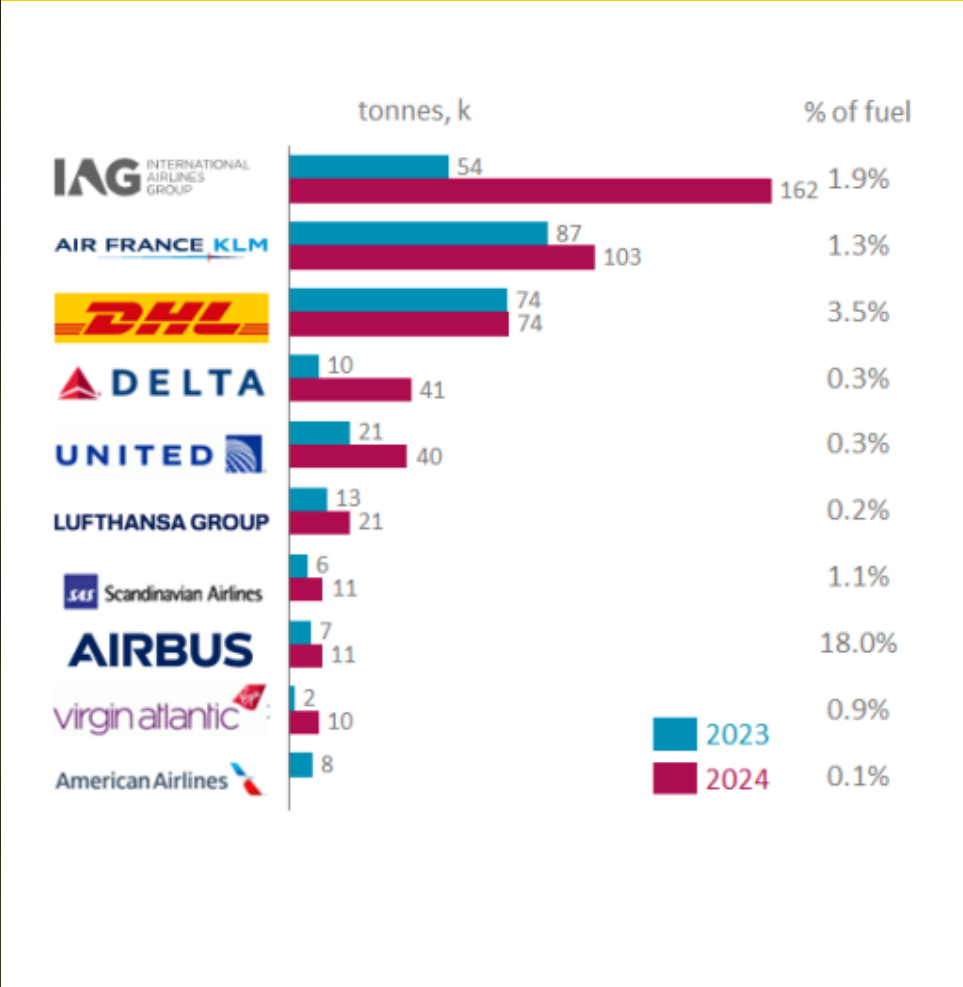
# In 2024 DHL was again one of the largest SAF users globally

IAG's annual analysis summarizes SAF volumes and SAF share based on airlines' published data

2024 absolute SAF volume and SAF share vs. total fuel use across main airlines






















Top 10 SAF users in 2024



# Our GoGreen Plus product portfolio

Standardized products (based on Book & Claim); as long as not stated otherwise optional service

Direct decarbonization

POST & PARCEL	EXPRESS	GLOBAL FORWARDING	FREIGHT	SUPPLY CHAIN	ECOMMERCE
 <b>Parcel</b> <ul style="list-style-type: none"> <li>E.g. sust. fuels/BEV, heat pumps</li> <li>95% CO<sub>2</sub>e reduction</li> </ul>	 <b>TDI (Large Accts)</b> <ul style="list-style-type: none"> <li>SAF</li> <li>Flexible CO<sub>2</sub>e reduction</li> <li>ACS Offering<sup>2</sup></li> </ul>	 <b>Air</b> <ul style="list-style-type: none"> <li>SAF</li> <li>4 reduction levels - max ~85% CO<sub>2</sub>e reduction</li> </ul>	 <b>EUROCONNECT</b>	 <b>Warehouse</b> <ul style="list-style-type: none"> <li>Carbon-neutral Warehouse with a net zero approach</li> <li>Two CO<sub>2</sub>e reduction levels:               <ol style="list-style-type: none"> <li>&gt;75% (incl. up to 25% offsetting),</li> <li>100%</li> </ol>               Both according to CRECNB<sup>4</sup> </li> </ul>	 <b>Parcel<sup>5</sup></b> <ul style="list-style-type: none"> <li>NL &amp; BE: ~25% realized total network carbon reduction</li> <li>Globally &gt;140k access points as choice</li> </ul>
 <b>Mail<sup>1</sup></b> <ul style="list-style-type: none"> <li>E.g. sust. fuels/BEV, heat pumps</li> <li>95% CO<sub>2</sub>e reduction</li> </ul>	 <b>TDI (Basic Model)</b> <ul style="list-style-type: none"> <li>SAF</li> <li>Default 30% / 50% / 70% CO<sub>2</sub>e</li> <li>ACS Offering<sup>2</sup></li> </ul>		 <b>EURAPID</b>		
			 <b>EUROLINE</b>		
			 <b>EASYPALLET</b> <ul style="list-style-type: none"> <li>Sust. fuels / BEV</li> <li>~85% CO<sub>2</sub>e reduction<sup>3</sup> available for all Freight countries</li> <li>Skicka Grönt as service option in Sweden (~85% CO<sub>2</sub>e reduction<sup>3</sup>)</li> </ul>		
		 <b>Ocean LCL &amp; FCL</b> <ul style="list-style-type: none"> <li>SMF</li> <li>~85% CO<sub>2</sub>e reduction</li> </ul>		 <b>Road</b> <ul style="list-style-type: none"> <li>Low &amp; zero carbon transport solutions</li> </ul>	 <b>Road</b> <ul style="list-style-type: none"> <li>Sust. fuels (HVO100) within own truck operations for pick up or line haul<sup>6</sup></li> <li>~85 to 90% CO<sub>2</sub>e reduction</li> </ul>
 <b>Hybrid Letter</b> <ul style="list-style-type: none"> <li>Included Service</li> <li>E.g. sust. fuels/BEV, heat pumps</li> <li>95% CO<sub>2</sub>e reduction</li> </ul>	 <b>TDI (MyDHL+)</b> <ul style="list-style-type: none"> <li>Booked in MyDHL+</li> <li>SAF</li> <li>Default 30% CO<sub>2</sub>e red.</li> </ul>		 <b>EUROLINE</b> <ul style="list-style-type: none"> <li>Low &amp; zero carbon transport solutions</li> </ul>	 <b>Road</b> <ul style="list-style-type: none"> <li>Sust. fuels/BEV</li> <li>~80% CO<sub>2</sub>e reduction</li> </ul>	 <b>Road</b> <ul style="list-style-type: none"> <li>Low &amp; zero carbon transport solutions</li> </ul>

Note: All CO<sub>2</sub>e reductions shown are WtW reductions; 1) incl. Mail Communication, Dialogue Marketing and Press Service; 2) ACS = Air Cargo Sales offering by DHL Aviation; 3) Marketed as 100% TtW CO<sub>2</sub>e reduction; 4) CRECNB = DHL Corporate Real Estate Carbon Neutral Building Definition, based on the recommendations of the World Green Building Council; 5) Low emission services, not a GoGreen Plus offering; 6) Limited to NL only for now

# What can customers expect?

## ✓ All Sustainable Aviation Fuel (SAF) is Certified

Independent certification, majority ISCC certified

## ✓ DHL Express' GoGreen Plus is based on the Book & Claim Framework and data for our GoGreen Plus is verified by SGS (Société Générale de Surveillance)

Calculated in line with **Smart Freight Centre's Market Based Measures Framework** for logistics Emissions Accounting & Reporting

## ✓ A Certified and Audited Solution

Verified by an independent auditor (SGS) with the emission reduction value which can be used to reduce your own Scope 3 footprint. SGS will verify the emission reduction value of the purchased SAF, as well as verifying the GoGreen Plus investment has been exclusively used for SAF

## ✓ Upon request end to end value chain transparency

**GOGREEN PLUS CERTIFICATE 2024**

**Sample Customer**

used DHL GoGreen Plus Low Emission Transportation Services for air transportation, facilitated by sustainable aviation fuel.

For the period between 1/1/2024 and 6/30/2024, a third-party auditor verified the below numbers as part of this service:

Measure	Unit	Low Emission Transport Service	Reference Standard
Total WW emissions	t CO <sub>2</sub> e	271.68	503.23
Tonne-km transported	tkm	801,993.71	801,993.71
WW Carbon Intensity	g CO <sub>2</sub> e / tkm	338.75	627.48

**Sustainable Aviation Fuel**

Energy Source	Unit	Value	Reference Standard
(Fuels/Electricity) <sup>2</sup>	Tonnes	72.16	129.73
	m MJ	3.18	5.72
	Liters	89,089.93	160,164.40
Sustainable Aviation Fuel Share	%	55.62%	

**Reduced WW emissions** t CO<sub>2</sub>e **231.56 (-46.01%)**

Listing main fuel locations only:

Producer	Process	Feedstock	Certification	Station
World Energy	HEFA			

**GLOSSARY**

Term	Definition
Bio-CNG	Substitute for Compressed Natural Gas based on biogas
Bio-LNG	Substitute for Liquefied Natural Gas based on biogas
CO <sub>2</sub> e	CO <sub>2</sub> equivalents include carbon dioxide (CO <sub>2</sub> ) and other greenhouse gases such as methane (CH <sub>4</sub> )
EV	Electric Vehicle
HVO	Hydrotreated Vegetable Oil (also known as renewable Diesel)
IFO	Heavy Fuel Oil (Residual marine fuel)
Jet A	Conventional, kerosene jet fuel
Low Emission Transport Service	Transport Service based on sustainable fuels and/or clean technologies such as electric vehicles
MJ	Megajoule - relevant measure for energy content of fuel

**GOGREEN PLUS CERTIFICATE 2024**

**Sample Appendix to Certificate DHL-EXP-TDI-202401-0521**

Listing main fuel locations only:

Producer	Process	Feedstock	Certification	Station
World Energy	HEFA	Animal fats	RSB CORSIA	ONT, SBA, LAX

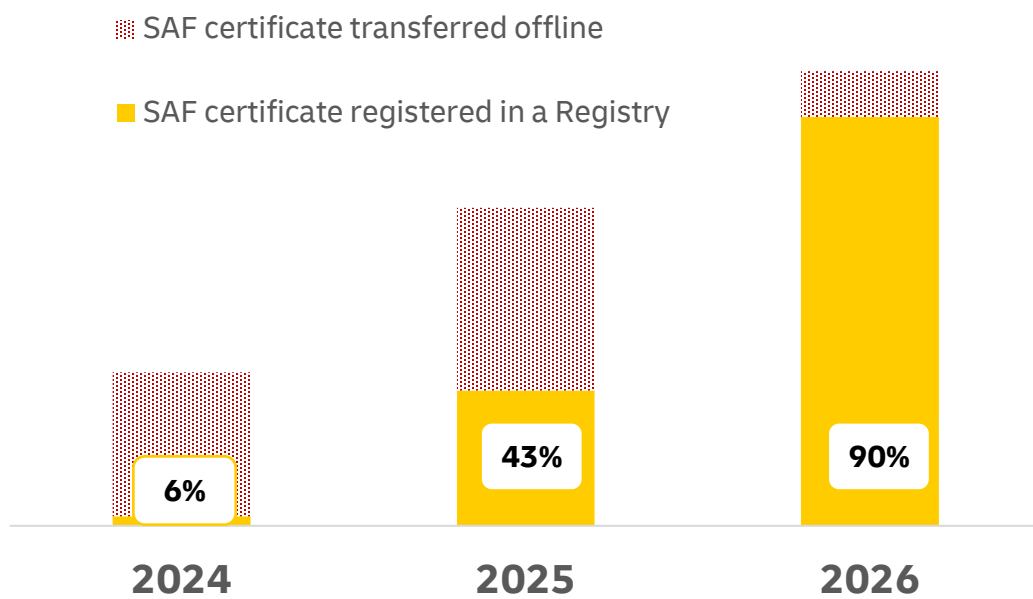
The below QR codes will direct you to the RSB Book & Claim Registry pages which include the retirement statements related to the sustainable aviation fuel retired for the Google accounts included in the GoGreen Plus Pilot for the period of Q1 and Q2 2024. Note that total retirement provided a reduction of around 237 tonnes of CO<sub>2</sub>e, of which 233 tonnes of CO<sub>2</sub>e were allocated specifically to Google.

Liters	CO <sub>2</sub> e Intensity (tonnes)
5,405	5.072
1,940	1.781
1,235	1.279
1,318	1.230
1,111	1.480

## For tracking emission reductions along the value chain, we expect registries to play an important role to ensure credibility of emission reduction claims

### Use of SAF Registries

(based on kt CO<sub>2</sub>e)



- A Registry ensures a **standardized and secure transfer** of emission reductions, ensuring full transparency along the value chain to DHL end customers
- In order customer can make a green claim a proof with **underlying information** from a public registry is desired
- In 2025 already more than **40% of DHL sustainable aviation fuel certifications** are transferred via public registries.

## **Making SAF traceable along the value chain starts with SAF supplier engagements**

- 1 The use of a Registry is part of every supplier negotiation**
- 2 Make sure Fuel suppliers are ready to capture SAF in registry**
- 3 Dialog with Registry provider**



# THANK YOU