



THE FUTURE IS GREEN

DELIVERING SUSTAINABLE EXCELLENCE
TO THE AUTO-MOBILITY INDUSTRY





“

**We are now at a point in history where
we create a better future for generations!”**

Stefan Brunner

VP Auto-Mobility, Global Sector Head DHL Freight

Dear Customers,

We live in challenging times. Above all, I am referring to global climate change, which affects each and every one of us. The good thing is: We are able to have an influence with our actions.

The global climate crisis can only be mitigated if we change. Decreasing greenhouse gas emissions needs hard work from all of us. For the Auto-Mobility industry the decrease of carbon emissions has become a key driver in terms of product development, production, and operation of vehicles. The good news is: the transport chains are already able to change and adapt to green solutions.

As the global market leader in logistics, change is our constant companion. We started our journey in becoming a green logistics provider already in 2008 and since then we are working on implementing green technologies, developing green products and solutions together with our customers, and enabling our employees to make a difference and contribution. We are convinced: It is the power of collaboration that can make a difference.

We clearly view our „Mission 2050: Zero Emissions“ as an opportunity to grow into a better future. For us, this not only means „burning less“, but also

„burning clean“. Through various measures, such as constant optimization of our operations, implementation of rail and alternative technologies (e.g., Bio-LNG/ CNG, renewable diesel and electric vehicles), we will save 1.2 million metric tons of CO₂e by 2030 and achieve our zero emissions target latest in 2050.

In these times of change, our constant focus is always on you – our customers. Our sustainable solutions are a perfect match to your logistics needs and at the same time take into account the importance of climate protection. Let's make the world greener together and establish our sustainable solutions in road freight. Our Auto-Mobility and GoGreen teams will be happy to support you on your journey into a green future.

Sincerely yours,



Stefan Brunner
VP Auto-Mobility,
Global Sector Head
DHL Freight



GO GREEN

THE SUSTAINABILITY INITIATIVE WITHIN DHL FREIGHT

Finding sustainable solutions is not only our focus – it's our passion! Within DHL Freight we have a clear

strategy to become greener. Thus, our Go Green Initiative is based on three key commitments:



Above this three commitments we also aim to **create lasting impact** in the communities we operate in **through our Go Programs**.

THE GENERAL BENEFITS OF GREEN LOGISTICS

Green transport chain management means that process optimization reduces energy and material savings. More efficiently designed logistics processes with integrated IT systems make better use of storage capacities and avoid empty runs. The goal is to use less energy, produce fewer emissions during transportation and storage, have less packaging waste, and do as few but precisely coordinated work steps as possible.

The better the logistical coordination, the bigger the added ecological value. Reducing emissions across the supply chain reduces not only the ecological footprint of the driven vehicles, but of the entire company. On the way to the overarching goal – climate-neutral Auto-Mobility production around the world – every contribution is crucial.



GREEN TRANSPORTATION - YOUR WAY TO A MORE ECOLOGICAL FOOTPRINT

Large parts of the Auto-Mobility industry have already identified the transport chain as a great starting point for doing business more sustainably. They are prepared to tighten these screws to achieve tangible effects. This willingness is noticeable throughout the industry: New technologies also for production processes (e. g. steel production) and bridge technologies for transportation are highly demanded.

To ensure a smooth transition from traditional transportation to our green solutions, DHL Freight is committed to always being there for you. We are taking your needs into account in all considerations for the transition of your transportation chain.

It is important to us that you, as experts of the industry, can rely on us.”

Stefan Brunner

VP Auto-Mobility, Global Sector Head DHL Freight



GOGREEN SOLUTIONS AT DHL FREIGHT AND YOUR BENEFITS

In order to provide the best possible sustainable services and solutions to you, it is key to us to have a clear vision and roadmap on green logistics.

This roadmap is based on three Pillars: SAVE, SELL and ENGAGE.

SAVE

It starts with improving carbon and cost efficiency through the development of innovative technologies, also jointly with customers and subcontractors.

SELL

Based on green technologies, we provide our customers with green solutions and products.

ENGAGE

Additionally, we focus on informing and engaging our colleagues and stakeholders, enabling everyone to contribute.

Here are our solutions, allowing you to become more sustainable!

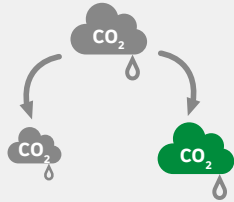
“ We are continuously working on new sustainable solutions for our logistics customers to remain pioneer in green road freight transportation. That is why we have also identified rail freight as one perfect sustainable alternative.”

Christoph Schönwandt
Head of GoGreen DHL Freight

TYPE OF GOGREEN SOLUTION

WHAT IT IS ABOUT

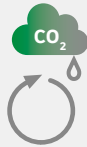
DHL Freight Burn less & burn clean



Decarbonizing road freight transport by using innovative green transport technologies

- Customized solutions for customers based on a lane-by-lane analysis
- Dedicated customer-specific setup designed by DHL Freight
- Implementing optimization technologies, e.g., aerodynamics, rail where possible, bridge technologies (e.g. Bio-LNG/CNG, renewable diesel HVO, Battery-Electric, etc.)

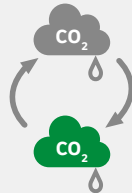
DHL Freight Insetting



Insetting' carbon emissions by investing into green technologies within the transport network - similar to the green electricity model

- DHL Freight *GoGreen Plus*, a standardized, easy-to-book service available as of 2022
- Allowing to decarbonize customers' supply chains in line with the Science Based Target Initiative

DHL Freight Offsetting



Compensating carbon emissions through Gold standard certified climate protection projects

- Can be booked on top of existing products and services upon request
- Included as a standard in our DHL Freight *Eurapid* premium service

DHL Freight Carbon Reporting & Consulting



Understanding as-is emissions and decarbonization levers

- provides a baseline for decarbonization e.g. through customized solutions
- Supported by a Customer Carbon Report, target setting, and ongoing monitoring of progress



OUR CLEAN OPS TARGET IS TO REDUCE OUR CO₂E EMISSIONS BY 1.2MN TONS CO₂E BY 2030

Until 2030, we commit to the goal to grow the sustainable fuel share in our line hauls (operations) to over 30%.

DHL FREIGHT X VOLVO TRUCK: FOSSIL FREE ROAD TRANSPORT IS POSSIBLE ON LONGER DISTANCES

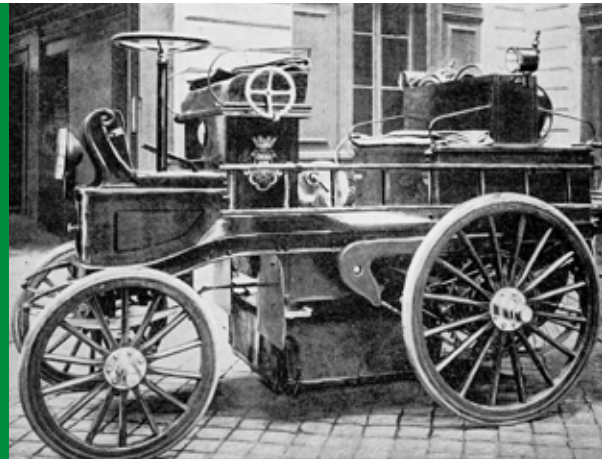
DHL Freight and Volvo Trucks in Sweden have initiated a project focusing on longer distance heavy transports as of March 2021. The cooperation is very successful and includes exclusive, worldwide first pilot tests of a fully electric Volvo FH truck with total weights up to 60 tons – which means a payload of about 34 tons.

The Truck operates between the cities Gothenburg and Jönköping in Sweden, which is a distance of 150 km one way. The DHL Volvo project is part of REEL, an initiative with funding from Sweden's innovation agency Vinnova and the Swedish Energy Agency to promote the transition to an electrified freight transport system.



The first electric truck tested by the German Post in 1899

By the way, the electric drive for trucks is not as new as one might guess. As early as 1899, the postal service company in Germany operated its first electric truck. Unlike gasoline engines, they consumed no energy when stationary and, with a range of 60 km, were ideal for use in the inner city. Many of them were in operation for over 40 years



AUTO-MOBILITY CORE SOLUTION & SERVICES

Our **AUTO-MOBILITY CONTROL TOWERS (ACT)** are the central command center of our transportation operations. They monitor every step of the end-to-end process to provide you with more efficient, automated and transparent operations.



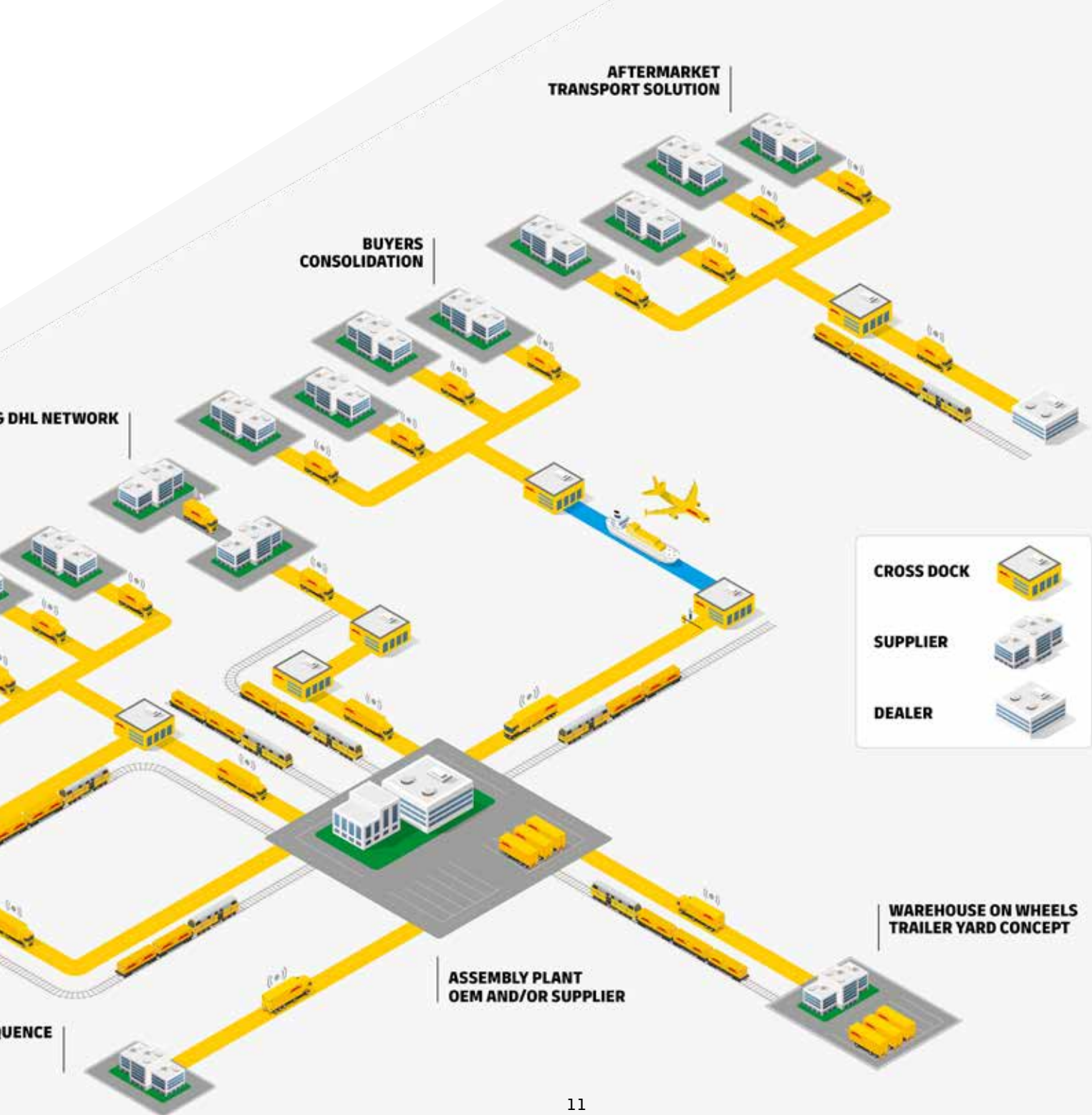
Our **DIGITAL SOLUTIONS** for the Auto-Mobility industry providing end-to-end supply chain visibility, paperless transport, e-POD Management, ETA Calculation and optimized administration processes.



MILKRUN COLLECTION

AREA FORWARDING CONCEPT

JUST IN TIME / JUST IN SEQ



**AFTERMARKET
TRANSPORT SOLUTION**

**BUYERS
CONSOLIDATION**

DHL NETWORK

CROSS DOCK

SUPPLIER

DEALER

**WAREHOUSE ON WHEELS
TRAILER YARD CONCEPT**

**ASSEMBLY PLANT
OEM AND/OR SUPPLIER**

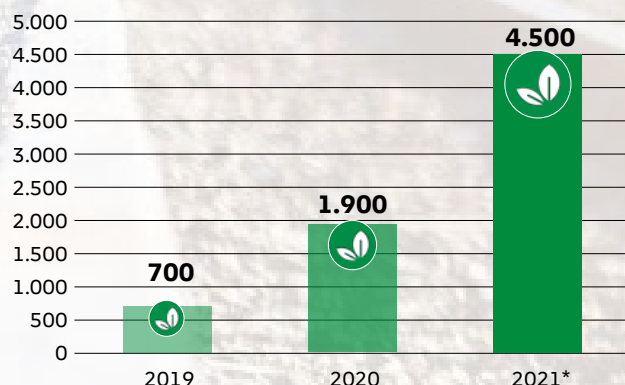
SEQUENCE

RAIL SOLUTIONS: OUR STATUS QUO

- Since 2019 the volume of rail traffic in Europe could be increased significantly
- In the peak season each week ca. **4,500 swap bodies** are transported via rail
- This means a road release of up to **2,250 full truck loads** every single week
- According to this notable extension DHL Freight Germany saved **39% CO₂-Emissions** as an average compared to road operations
- In 2021 we operated more than 3.500 trains across Europe

Weekly Rail Slot Capacities

incl. weekend



*current status of planning - ca. 40 lanes

TRAINS EXPRESS THE SUSTAINABLE FUTURE

Expanding the use of rail transport will support sustainability in logistics in the future. This will ensure continuous CO₂ savings while maintaining economic efficiency in the transport sector. The expansion of rail transport additionally relieves the tense situation on the roads caused by a massive increase in traffic jams, road construction and growing freight traffic. The aspect of driver shortage and lack of young talent in combination with the growing transport volume is also counteracted with the expansion of rail transport. The future of intermodal solutions will drive our business in a sustainable way and ensure that with the use of green energy, the pollution of our planet can be stopped in everything we do.

(as of August 2022)

INTERMODAL SOLUTIONS MAP

- hub/ terminal/ warehouse/ sorting centre
- == water connection
- line haul on rail
- core markets



YOUR ROAD TO A GREEN TRANSPORT CHAIN!

1

Let us understand your sustainability strategy and targets

We are happy to support you to reach your sustainability goals in a dedicated approach based on your strategy

2

Fully comprehend your carbon footprint

As the baseline for any carbon reduction efforts, we provide you transparency on your carbon footprint



Request a Customer Carbon Report at your sales contact!

3

Let's jointly improve the efficiency of your logistics chain

Reduce your carbon footprint together with our experts, optimizing based on your specific logistics needs

4

Switch to clean logistics with our alternative products and solutions

We offer you decarbonized alternatives along your entire supply chain and support you in your transformation towards sustainable logistics

5

Measure achievements

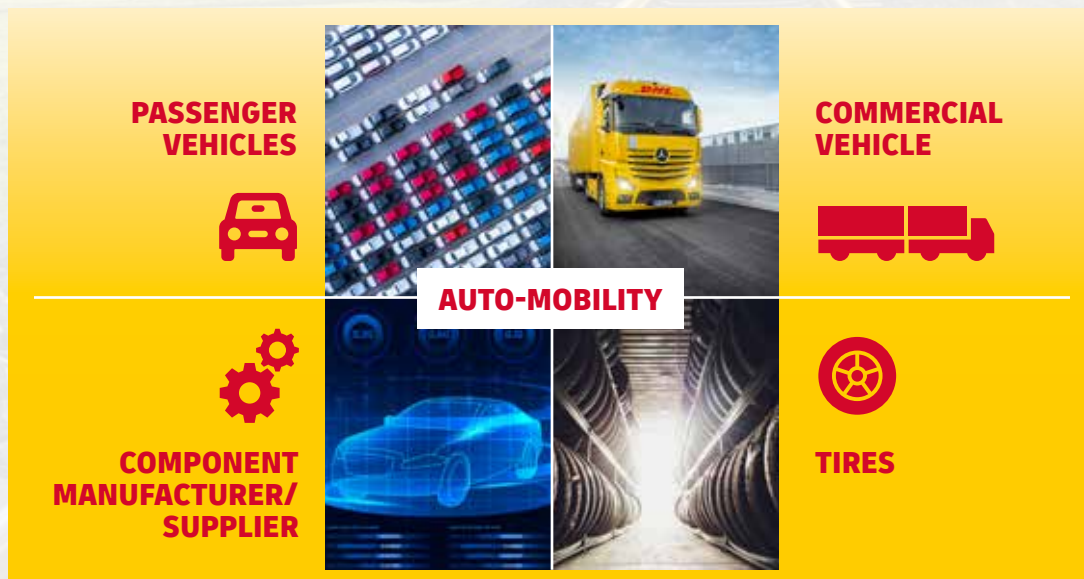
Progress can be monitored in the customer carbon report

DHL FREIGHT AS YOUR STRONG PARTNER IN FREIGHT TRANSPORTATION

We are at a point in history, where all of us have to become more sustainable. That applies to the Auto-Mobility Industry, too. It is elementary to convert the logistical requirements associated with production into a green transport chain. Batteries for example, which are becoming increasingly important alongside engines, can be transported in a sustainable and climate-neutral way, by using special logistics concept.

We at DHL Freight offer optimized logistics solutions for Auto-Mobility industry purposes and help you getting closer to climate-neutrality e.g. through the „Customer Carbon Reporting“. Also tailor-made transport chains can be converted into green solutions without leaving out the special needs of your industry.

Now is the right time to optimize your logistics services by choosing greener solutions: Our experience and flexibility will let us easily adapt to your needs.





LET'S GET IN TOUCH!

Stefan Brunner

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DHL Freight – Excellence. Simply delivered.