



**DHL GOGREEN SOLUTIONS**  
DECREASE EMISSIONS.  
INCREASE EFFICIENCY.

DHL Global Forwarding – Excellence. Simply delivered.

MISSION 2050  
**ZERO EMISSIONS**  
**GOGREEN**

**DHL**

# IS YOUR SUPPLY CHAIN CARBON EFFICIENT?

Carbon emissions are increasing, and the corporate world is demonstrating its leadership in meeting one of the greatest environmental and economic challenges of our time.



## SUSTAINABILITY INCORPORATED INTO BUSINESS STRATEGIES

It has become a board level topic to reduce the environmental impact from core business.



## INCREASED CARBON TRANSPARENCY AND DISCLOSURE

More companies disclosing their carbon emissions in their annual report or to external bodies.



## INCREASED POLLUTION CONTROL AND REGULATIONS

New regional and local legislation affecting companies and their supply chains.



## COST SAVINGS PRESSURE

Increased carbon efficiency measures across the supply chain, leading to optimized transport flows and capacity utilization – and ultimately, cost savings.

It is in this context that a global service provider with the ability to deliver carbon transparency and reduction solutions offers customers a genuine competitive advantage.

# WHY YOU SHOULD CHOOSE DHL GOGREEN SOLUTIONS

Our team of experts provides consulting services and carbon transparency tools to enable you to optimize the carbon efficiency of your supply chain and reduce overall costs.



## LOGISTICS EXPERIENCE

We're the leading global brand in the logistics industry offering an unrivalled portfolio of forwarding services:

- Industry leading expertise in offering our products Air freight, Ocean freight Industrial projects, end-to-end transport management solutions, Customs clearance, and Intermodal transport.
- Expert understanding of key industry sectors: Chemicals, Technology, Consumer, Retail, Engineering & Manufacturing, Automotive, Energy, Public Sector, Financial Services, Life Sciences & Healthcare.
- Largest network with operations in more than 150 countries and territories with over 850 terminals, warehouses, and offices.



## GREEN LOGISTICS EXPERTISE

We're the pioneers in the development of green logistics solutions:

- Deep understanding of environmental requirements across different industries and sectors.
- Relationship with environmental authorities and standardizing bodies on global and regional levels.
- Member in all key industry bodies and committees.
- Solid carbon accounting governance model, audited by external parties.
- Key driver in driving industry carbon accounting standards.
- Progressing towards DHL's own carbon efficiency target with great results (including subcontractors' fleet).



## BROAD PORTFOLIO

Our broad range of DHL GoGreen Solutions ensures a one-stop solution to make your supply chain carbon efficient:

- Broad offer of carbon transparency services compliant to latest carbon calculation standards.
- Carbon efficiency KPIs are monitored and benchmarked to find optimization potential, in both cost and emissions.
- Working closely together with our customers, DHL GoGreen Experts develop tailor-made recommendations for improving customers' overall environmental performance.
- Portfolio constantly developing to adhere to changing legislation/standards, and to meet your expectations.

# OUR SOLUTION FOR YOU DHL GOGREEN SOLUTIONS



# OUR SOLUTION FOR YOU DHL GOGREEN SOLUTIONS



Our DHL GoGreen Solutions portfolio offers you various levels of carbon transparency tools and helps you to find improvement areas to optimize the carbon efficiency of your supply chain and reduce your environmental impact. Our Solutions are externally verified and in line with all major carbon calculation standards such as EN 16258:2012.

SOLUTION	VALUE PROPOSITION	KEY FEATURES
<b>DHLi / Track &amp; Trace</b>	<b>Shipment and CO<sub>2</sub>e Report:</b> Understand carbon footprint for all products at shipment level in one report, combining a carbon report with a shipment report. Instant overview, available anytime.	<ul style="list-style-type: none"> <li>Combine shipment reports with CO<sub>2</sub>e data</li> <li>Online self-service (available any time)</li> <li>Main haul CO<sub>2</sub>e emissions</li> </ul>
<b>Online Calculator</b>	<b>Single Shipment and Scenario Calculation:</b> Calculate carbon emissions for single shipments on the spot and/or simulate the potential impact of modal shifts and routing change.	<ul style="list-style-type: none"> <li>Calculate carbon emissions for single shipments on the spot</li> <li>Online self-service (available any time)</li> <li>CO<sub>2</sub>e emissions for all transportation legs</li> </ul>
<b>Carbon Estimate</b>	<b>Total Company Logistics Carbon Footprint:</b> Receive overall carbon footprint in one report for all transport providers. A solution which allows all shipments to be incorporated from all LSPs, using the same calculation framework.	<ul style="list-style-type: none"> <li>Leverage DGF's carbon calculation expertise and network averages for overall carbon footprint</li> <li>Include 3rd party data</li> <li>CO<sub>2</sub>e emissions for air freight and ocean freight shipments</li> </ul>
<b>Carbon Report</b>	<b>Detailed Carbon and other Emissions Report:</b> Understand carbon footprint in detail for all transport legs, modes and tradelanes. Suitable for transparency reporting, especially for corporate social responsibility reporting or compliance setting.	<ul style="list-style-type: none"> <li>Carbon report providing comprehensive emission data</li> <li>CO<sub>2</sub>e emissions for all transport modes</li> <li>CO<sub>2</sub>e emissions on tradelane level</li> </ul>

SOLUTION	VALUE PROPOSITION	KEY FEATURES
<b>Carbon Dashboard</b>	<b>Carbon Efficiency Visualization:</b> Visualization of carbon footprint for all transport modes and tradelanes without extra data handling, in order to analyze and deep dive into carbon efficiency improvements. Suitable to identify carbon-intense hotspots or track changes in shipping patterns (e.g. modal shift).	<ul style="list-style-type: none"> <li>Illustration of carbon emissions, KPIs and shipment routings</li> <li>Gain insights on carbon reduction levers</li> <li>CO<sub>2</sub>e development and trends</li> </ul>
<b>Green Consulting</b>	<b>Sustainable Supply Chain Optimization:</b> Learn about potential optimization options and identify customer-specific levers with the highest impact on improving carbon efficiency.	<ul style="list-style-type: none"> <li>Tailor-made customer supply chain analytics</li> <li>Identify potential to make supply chains more carbon efficient</li> </ul>
<b>Green Danmar/ Carrier Selection</b>	<b>Carrier Selection:</b> Reduce carbon footprint of ocean freight by using a more carbon efficient carrier.	<ul style="list-style-type: none"> <li>Carbon efficient ocean freight option</li> <li>Use only carriers at least 5% more carbon efficient than the industry average for each tradelane</li> </ul>
<b>Offsetting</b>	<b>Neutralize Carbon Footprint:</b> Neutralize carbon emissions from transport with high quality carbon credits and externally audited processes.	<ul style="list-style-type: none"> <li>Carbon credits from recognized climate protection projects worldwide</li> <li>Annual certificate, based on a certified carbon report</li> <li>Compensate CO<sub>2</sub>e emissions from all transportation legs</li> </ul>
<b>Biofuel</b>	<b>Driving Decarbonization:</b> Avoid GHG emissions in an ocean freight supply chain by using container vessels run on environmentally friendly produced biofuel. Drive innovation and decarbonization of the ocean freight shipping industry.	<ul style="list-style-type: none"> <li>Replace Heavy Fuel Oil with biofuels</li> <li>Cooperation with the GoodShipping Program</li> <li>Annual certificate, based on a certified carbon report</li> </ul>

## COMMONLY ASKED CUSTOMER QUESTIONS

### What are carbon emission?

Carbon dioxide (CO<sub>2</sub>e) emissions are the common type of gas emitted from the burning of fossil fuels. The higher the carbon content in the fossil fuel, or the more inefficient the burning process, generally, the greater amount of CO<sub>2</sub>e is produced.

### Why should my company reduce carbon emissions?

There are many drivers why a company should reduce their environmental impact and their carbon emissions. Legislative, customer or consumer requirements could be the driver but also reducing emissions can be part of a company actioning their corporate social responsibility. Also, by improving the overall carbon efficiency of your supply chain, cost reduction opportunities can be identified.

### Shouldn't DPDHL also reduce CO<sub>2</sub>?

Absolutely. Deutsche Post DHL was the first global logistics company to set a quantifiable climate protection target in 2007. In 2017 we have set a new target: By the year 2050 we want to reduce all logistics-related emissions to zero. We are optimistic that we can achieve this goal – with the help of new technologies, the dedication and expertise of our employees and through collaboration with our customers and partners. Find out more about our Mission 2050 on [www.dpdhl.com/gogreen](http://www.dpdhl.com/gogreen)

### How does the DHL GoGreen program benefit me as a customer?

Since our improvement activities are based on our own fuel and energy consumption as well as our sub-contracted fleet (airlines, haulers and shipping lines) you, as a customer, also benefit from these efforts, since the shipments that you transport with

DPDHL are also more carbon efficient. Also, our emission factors are updated yearly to reflect the latest changes.

### How can the reduction of CO<sub>2</sub> lead to cost optimization?

Reviewing the CO<sub>2</sub> emissions in comparison to benchmark KPIs can indicate whether the supply chain is operating carbon efficiently or not. If a supply chain is not carbon efficient, it may also mean that it's not cost efficient. For example, underutilized containers or pallets represent cost optimization potential.

### What standards is DPDHL using to calculate carbon emissions?

We use the standard EN 16258:2012 (Methodology for calculation and declaration of energy consumption GHG Protocol Product Lifecycle Accounting and Reporting Standard), the most acceptable standard globally.

### What sources of emission factors are you using?

Road emission factors based on HBEFA (Handbook Emission Factors for Road Transport), Ocean emission factors based on CCWG (Clean Cargo Working Group), Air emission factors based on NTM (Network for Transport Measures). This is the basis for our used Vehicle Operation System (VOS).

### Are you updating the emission factors to reflect changes in the fleet (aircrafts, vessels)?

Yes, not only the changes in fleet but we also take the actual utilization rate and the routing (transported distance) into account.

## COMMONLY ASKED CUSTOMER QUESTIONS

### Are you audited by an external auditor?

Yes, our carbon management system and Corporate Social Responsibility report are audited annually by a 3rd party.

### Is DHL also calculating emissions from other greenhouse gases such as NO<sub>x</sub>, SO<sub>x</sub>, PM and HC?

Yes, besides CO<sub>2</sub> we also report CO<sub>2</sub>e (incl. CH<sub>4</sub>, N<sub>2</sub>O, SF<sub>6</sub>, HFC, NF<sub>3</sub>).

### Are you helping customers in all sectors?

Yes, the topic of green logistics is an important and an increasingly strategic topic in all industry sectors. DHL GoGreen Solutions are helping the likes of large multi-national automotive corporations as well as smaller fashion companies all with the same aim, to make their supply chain as carbon and cost efficient as possible.

### Can you put me in contact with other companies' sustainability and/or logistics teams?

Absolutely. We have a proven record of connecting people in a network environment, and can share our contacts with you.

### What credits are you offering within the Climate Neutral service?

We offer Gold Standard VERs (Verified Emission Reductions) and Voluntary Carbon Units (VCUs) which get certified by the (Voluntary Carbon Standard). Our carbon credits are part of the voluntary carbon market and are not part of a cap and trade system (where emission allowances can be traded).

### What is CDP?

CDP (formerly Carbon Disclosure Project) is an international, not-for-profit organization, providing the only global system for companies and cities to measure, disclose, manage and share vital environmental information. This online platform enables companies to disclose their carbon emissions information for public usage, such as financial market analysts.

### What is GLEC?

Tracking a company's GHG emissions can be challenging because there are so many methodologies and reporting formats requested by different customers, countries and programs. To create a universal way of calculating logistics emissions, Smart Freight Centre (SFC) established the Global Logistics Emissions Council, or GLEC. GLEC is a group of companies, industry associations and programs backed by leading experts, governments and other stakeholders to make carbon accounting work for industry and to create a harmonized approach across all existing carbon calculation methodologies and standards currently in place.

You can find out more about DHL GoGreen Solutions online at [www.dhl.com/gogreen](http://www.dhl.com/gogreen) or by contacting your local sales representative.

