Eco-Pioneer of Transport and Logistics - guaranteeing your long-term success
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Protection of the Environment forms an integral part of our corporate strategy.

OUR NETWORK – pages 04–08
We apply sustainable measures and promote ecological projects throughout our network.

OUR EXPERTISE – pages 09–11
Make the most of our ecological optimisation solutions for your transport.

OUR INITIATIVES – pages 12–15
We actively rise to the challenge of the ecological transition in our sector and believe in complete transparency of our results.
INTRODUCTION
Our environmental strategy

As a leading transport company in our market, we aim to become the ecological pioneer of our business sector. Our priorities are reduction of our emissions, recycling of our waste and reduction of our water and energy consumption.

Together we are responsible for protecting the environment!

We have ambitious long-term objectives

**CO₂**
-30% (g/tkm)
From 2006 to 2020

-50% (g/tkm)
From 2006 to 2030

**ENERGY**
-18% (kWh/m²)
From 2013 to 2020

**WATER**
-15% (m³/pers.)
From 2013 to 2020

**RECYCLING rate**
60%
By 2020

DB 2020+ is the Group’s eco-friendly strategy.

Future is Here
Groups together the values and the culture of our company.
A FLEET OF RELIABLE AND MODERN VEHICLES
Our entire fleet of trucks consists of Euro 5 (23%) and Euro 6 (77%) class vehicles, as well as alternative energy vehicles: gas-powered and electric vehicles and cargo e-bikes. To go further, we invest in research and development in order to contribute to the emergence of innovative, less polluting solutions.

ECO-DRIVING TRAINING FOR OUR DRIVERS
The way we drive is one of the factors that impacts pollution levels. We provide eco-driving training for 30,000 internal and external drivers. Alongside that, we monitor individual fuel consumption.

ACCUMULATION OF LOADS AND JOURNEY OPTIMISATION
Within our pan-European network, transport is grouped and the loading factor is optimised. Thanks to our GPS vehicles and the "ELIOT" and "CADIS" on-board software in our vehicles, we optimise journeys, thus reducing our greenhouse gas emissions. This organisation model helps to save up to 30% CO₂.

"OBJECTIF CO₂" CHARTER – OUR COMMITMENT:
- Optimise loading capacity (volume and payload).
- Fit 100% of vehicles with an engine idle cut-off system.
- Increase the use of double decks in trailers.
- Reinforce the eco-driving management system.

Did you know?
11.1% of CO₂ emissions will be avoided between 2017 and 2020 for the domestic courier network in France.
Green Air – quick, more environmentally friendly air freight

Our network

**PREFERRED CARRIERS**
The close relationship we have with our preferred carriers and the annual control of our targets enable us to develop and implement measures for reducing CO₂ emissions. We measure, evaluate and rank our air partners each year based on three criteria (environmental performance, long-term performance and climate protection).

**MORE EFFICIENT REACTORS**
Modern and efficient reactors help to reduce consumption by up to 25% compared to that of today’s average reactor.

**OPTIMISED LANDING**
In accordance with strict security regulations, pilots are authorised to take less fuel on board when operating short-haul flights. This makes aircraft lighter and reduces emissions.

**CARGO PLANES: LESS POLLUTING**
The use of cargo planes helps to significantly reduce CO₂ emissions from an average of 1,100 g of CO₂/tkm for a passenger aircraft to 500 g of CO₂/tkm for a cargo flight.

**GOOD SKYBRIDGE PRACTICES**
Speed and efficiency are ensured by intelligently combining air freight and sea freight. DB SCHENKER® Skybridge combines these two modes of transport and therefore considerably reduces CO₂ emissions.

Did you know?
Our gateway concept via road for inland haulage avoids short-haul flights, resulting in a reduction of up to 90% of CO₂ emissions.
Green Ocean – quick, more environmentally friendly sea freight

Our network

Green Road  Green Air  Green Ocean  Green Rail/Barge  Green Terminals

COOPERATION AND CONTROL

The close relationship we have with our preferred carriers and the annual control of our targets enable us to develop and implement measures for reducing CO₂ emissions. We measure, evaluate and rank our sea partners each year based on three criteria (environmental performance, long-term performance and climate protection), the scoring of which is based on the evaluation of the Clean Cargo Working Group (CCWG).

SPEED REDUCTION – "SLOW STEAMING"

By halving their speed, vessels consume only one tenth of the engine power and fuel.

HYDRODYNAMIC MODIFICATIONS

Hydrodynamic modifications to the design (smaller propellers or optimisation of the bulbous bow) help to reduce fuel consumption further.

Cleaner global sea freight in 2020

The new International Maritime Organization (IMO) “Low Sulphur” regulation will enter into force on 1 January 2020 and will force all shipping companies to reduce their sulphur emissions by 85% and therefore favour the use of a fuel oil at 0.5%. DB Schenker is going one step further with its new service:

DB Schenker Low Sulphur Program – be a pioneer and start the sulphur reduction initiative to reach healthy air

Many ports do not provide any standards for sulphur emissions which are very harmful to our health. In order to reach better air quality in ports DB Schenker has launched a project that allows to “clean” TEUs transported on their vessels in non-regulated ports.

This is how it works:

- Pay 3 USD per container
- Get your certification
- Safe the environment

* IMO is setting global standards to reduce sulfur content to 0,5% 2020-2025 globally. This project reduces sulfur content to 0.1% from today.
Green Rail/Barge – environmentally friendly rail and river freight

Rail and barge freight guarantee the lowest rate of emissions. The use of combined transport is a good way of reducing your carbon footprint on your journeys.

ENVIRONMENTALLY FRIENDLY RAIL-ROAD COMBINED TRANSPORT
The transport of semi-trailers or containers by Rail-Road helps to significantly reduce environmental impact and the saturation of the main European road network routes.

THE FRANCE-CHINA CORRIDOR
We offer two rail terminals in Germany, in Hamburg and Duisburg, to connect Western Europe with China via an optimum rail service. Our many weekly departures guarantee reliable, quick, regular and environmentally friendly transport between France and the main economic areas of China.

BARGES
We offer the use of river transport as an alternative to road transport. You can therefore choose to transport your goods between the Gennevilliers, Le Havre and Roissy hubs via the Seine. This intermediate mode of transport has high loading capacity and bypasses saturation points, while boasting low emissions of pollutants and CO₂.

Did you know?
Rail transport helps to reduce emissions by up to 75% compared to road transport

ENVIRONMENTALLY FRIENDLY RAIL PRACTICES
Each day, DB Cargo relieves Europe’s roads of 98,000 trucks, which placed end to end would reach from Hamburg to Rome.
Green Terminals – Our green buildings, saving resources

We optimise the energy consumption of our sites through measures taken from the construction stage. We also monitor our consumption closely and implement an environmental progress plan.

**SUSTAINABLE ENERGY SOURCES**
In France, on our most recent buildings, we favour the consumption of electricity from renewable sources: some of our sites have photovoltaic panels and solar panels.

**TECHNOLOGICAL EFFICIENCY**
We reduce emissions by using electric floor conveyors and forklift trucks.

**INTEGRATED LIGHTING CONCEPTS**
Wherever possible, we use sources of natural light and smart lighting management. We are also continuing our programme to replace high-consumption lighting, which will enable us to install LED lighting on 50% of our sites by 2023.

**CENTRALISED IT INFRASTRUCTURES**
Our operational IT databases are centralised globally to avoid multiplication of data locally and therefore reduce CO₂ emissions.

**PROTECTION OF BIODIVERSITY**
We deploy actions in favour of biodiversity with the introduction of eco-grazing in some of our branches to replace manual mowing and we also host beehives.
ECO-CONSULTING: reduce and offset your CO₂ emissions

ACHIEVE YOUR OBJECTIVES
With the help of our experts, find ways to reduce your transport emissions.

REDUCE – OFFSET
With our own tools, we calculate the emissions from the transport of your shipments. Together, we identify potential for reducing emissions and we develop sustainable transport concepts.

REDUCE – OFFSET
Thanks to climate certificates, you can offset unavoidable emissions by financing a sustainable and certified project. Discover the projects offered by our partner atmosfair.
CARBON REPORT: we calculate your balance using our tools

Eco-transparency thanks to our effective tools and our analyses.

Your Personalised GHG Report

We can provide a carbon report for your transport on request. The GHG report indicates the greenhouse gas emissions and the total tonnage transported over the chosen period. We can also configure regular reports on your emissions.

Indicators provided:

Air and Sea: CO₂ Port-to-Port [t], CO₂ total (incl. Pre-/on-c.) [t], CO₂-e Port-to-Port [t]; CO₂-e total (incl. Pre-/on-c.) [t].

Road: CO₂ Tank-to-Wheel (kg), CO₂ Well-to-Wheel (kg), CO₂-e (kg), HC (kg), NOx (kg), PM (kg), SO₂ (kg).

Your online Carbon Dashboard

Thanks to our Carbon Dashboard e-Service, you can produce your own emissions statistics. The emissions, the emission factors and the tonne-kilometres of your air and sea shipments are displayed online on a quarterly basis.
CARBON BALANCE: Analysis of your transport plans

Our expertise

ITINERARY: SHANGHAI – PARIS CDG

Using our measuring and monitoring tools and the knowledge of the DB Schenker network, we can help you to determine the most relevant transport plan, taking into account lead time, cost and CO₂ emissions.

ENVIRONMENTAL REVIEW

Track changes to your CO₂ consumption with environmental KPIs. We offer regular reviews to identify the areas where you could improve.
We are actively committed to…

Signatory of the United Nations Global Compact since 15 April 2009

The UN Global Compact is an agreement between companies and the United Nations. Our current Sustainable Development Objectives relate to:

11 Sustainable Cities and Communities
12 Responsible Consumption and Production
13 Climate Action

Active member of professional initiatives and consortia

EcoTransIT World calculates the environmental impact of different transport chains around the world. Clean Cargo Working Group, a global player in the maritime supply chain. Global Logistics Emission Council, network that aims to harmonise emissions calculation methods.

Signatory of the "Objectif CO₂" Programme

This French programme, organised by the Ministry for the Ecological and Inclusive Transition of France, the French Transport Ministry and ADEME, helps to reduce your fuel consumption and GHG emissions by putting in place an action plan.

Recognised actions in favour of sustainable development

The 2017 survey of the Carbon Disclosure Project (CDP) awarded Deutsche Bahn the top score of A, topping the international rankings. EcoVadis rates the CSR of companies. DB Schenker obtained Gold certification in November 2017.
Development of sustainable urban delivery solutions

**Cargo e-bikes**

In city centres, remote storage spaces are used to deliver any size of package at any time with no access constraints or timetables, **up to 420 kg per shipment**.

We deliver your pallets using cargo e-bikes in the following cities: Le Mans, Rennes, Amiens, St Malo, Nantes, Angers, Lille, Bordeaux and Strasbourg.

**Electric vehicles**

In early 2019, we will have 100% electric eCanter vehicles. With a **driving range of around 120 km**, they allow us to deliver in city centres while reducing CO₂ emissions, particles and noise.

**Gas vehicles**

Daily delivery rounds are done using natural gas vehicles. NGVs have the following advantages: **significantly fewer particles discharged**, reliable and available fuel and a reduction in noise pollution.

**Hybrid vehicles**

Use of hybrid vehicles for city-centre deliveries. Using a hybrid vehicle reduces consumption by up to 50%, meaning a **significant reduction in CO₂ emissions** into the atmosphere.
ISO 14001:2015: A certified environmental approach

Our initiatives

ISO 14001 and DB Schenker Monde

- DB Schenker has introduced a Group environmental procedure on the environmental management system based on the principles of standard ISO 14001.
- The most recognised environmental standard: 250,000 certifications in 160 countries currently.
- More than 468 Schenker sites certified worldwide

ISO 14001 and Schenker France

- In France: 50% of our activity is certified, i.e. more than 25% of our sites. We have signed up to a certification approach for 100% of our sites by 2020.

The benefits of the standard

- Engagement of employees
- Environmentally responsible approach
- Management of environmental impact
- Continuous improvement of environmental performance
- Establishment of a framework
- Regulatory compliance
- Increased confidence

Our initiatives

Initiatives & working groups
Greener delivery
ISO 14001
Communication of results

ISO 14001 and Greener delivery

ISO 14001 and DB Schenker Monde

ISO 14001 and Schenker France

The benefits of the standard

Challenges of ISO 14001

Engagement of employees
Environmentally responsible approach
Management of environmental impact
Continuous improvement of environmental performance
Establishment of a framework
Regulatory compliance
Increased confidence
We are committed to full transparency of our key figures

DB Schenker 2017 Carbon Footprint

Mode of Transport | Tonnes (M t) | Tonne-kilometres (M tkm) | CO₂ e emissions WTW\(^1\) total (M t) | Specific WTW\(^1\) (g CO₂ e / tkm)
--- | --- | --- | --- | ---
Global Road Freight | 58.2 | 42.192 | 3.9 | 92.3
 Including own fleet | 5.4 | 3.915 | 0.36 | 92.3
Global Sea Freight | 22.6 | 308.760 | 2.1 | 6.8
 + Inland pre- and post-shipment haulage | | 5.640 | 0.21 | 37.2
Global Air Freight | 1.1 | 9.271 | 6.73 | 725.4
 + Inland pre- and post-shipment haulage | | 170 | 0.03 | 195.8
European Rail Freight | 5.7 | 3.444 | 0.07 | 20.6

\(^1\) WTW = well-to-wheel = the emissions from the whole fuel cycle from extraction to combustion.

Achievement of our target (2006-2017) -25% g/tkm CO₂

The DB Schenker carbon footprint is calculated in accordance with European standard EN 16258 and in line with the Kyoto Protocol.
Contact

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