Future

Green Logistics
DB Group’s Carbon Footprint 2017
DB Schenker’s share accounts for >50%.

Shares in million tons CO$_2$e

- 6.8 (31%) 
  Schenker Air
- 3.7 (17%) 
  Rail Passenger 
  (incl. DB Arriva)
- 2.3 (10%) 
  Schenker Ocean*
- 1.8 (8%) 
  Bus Transports 
  (incl. DB Arriva)
- 2.0 (9%) 
  Rail Cargo 
  (Europe)
- 1.5 (7%) 
  Stations and Buildings
- 3.9 (18%) 
  Schenker Road

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DB’s Climate Protection Target 2006-2030

-50% CO$_2$e
2006-2030 per tkm

Translates into an Exit Strategy out of
Diesel
Kerosene
Heavy Fuel Oil
by renewable energy - electricity and hydrogen
Portfolio of alternative powertrain concepts investigated at DB Schenker in Europe.

- **CNG, LNG & LPG**
  - Approx. 200 vehicles in operation
  - Only small effect in terms of GHG reduction

- **Biofuels**
  - Approx. 3,000 trucks in Sweden with various shares of biofuels
  - Cooperation with energy producers
  - Well developed infrastructure
  - Governmental support
  - 50-90% less GHG emissions

- **Fuso eCanter**
  - Three vehicles of the first all-electric light duty truck in Germany in 2018
  - Two vehicles in France in 2018 to prepare for the Ban of Diesel vehicles announced for Paris 2024

- **eDucato**
  - Five vehicles in Paris in 2018
  - Regular Ducatos are converted to electric vehicles

- **Cargo Bikes & Mikro Hubs/Depots**
  - Increasing use in urban logistics in France, Germany and Norway
  - Cooperation with several start-ups
  - Micro Hubs and Cargo Bikes optimize sustainable inner city logistics
With other initiatives we focus on and shape alternative and eco friendly driving to reduce CO2 emission in cities.

- **Mini-hubs and cargo cycles in city centres**
  - Improving local air quality in cities
  - Help DBS achieve CO2 emission reduction target

- **E-fleets and charging network**
  - Improving local air quality in cities
  - Help DBS achieve CO2 emission reduction target
  - DBS pilot: public fund project iHub Berlin/GER

- **Roll-out model for cargo bike in Europe to reduce truck traffic in inner cities**
  - Improving local air quality in cities
  - Reducing truck traffic in inner cities
DB Schenker joins the EV 100 Initiative

Transitioning vehicle use to Electric Vehicles* including related charging facilities until 2030

EV integration into directly controlled (owned/leased) fleets:

- 100% of vehicles up to 3.5t to be EV
- 50% of vehicles between 3.5t and 7.5t to be EV
- all urban/last mile delivery to be EV

*) EVs will be understood to include pure battery vehicles, plug-in hybrids, extended-range vehicles as well as fuel cells (min 30 miles/50km electric range).
Help to remove barriers on the way to zero emission trucks

- Encourage production by OEMs through Regulation (standards) and Incentives (funds)
- Provide information for vehicle owners on funds and how to get access
- Help to provide a critical mass of demand in order to drive OEMs to technology migration
- Set up business cases together with customers (shippers), suppliers (transport providers) and OEMs
- Develop a scaling roadmap together with the actors in the supply chain