



**THE GREEN WAY »**  
*eco* solutions by TFG



**»» The Rail is one of the most environmental friendly way of transport. »»**



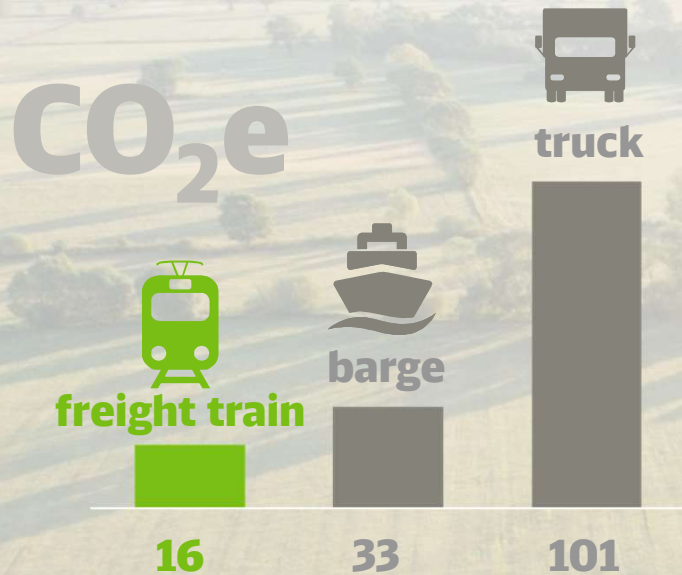
Sustainable economic development has become a component of our life. When it comes to „**green logistics**“, TFG Transfracht, as a logistics service company, is setting a good example and counts on rail connections.

Thereby about **80 % carbon footprint** will be cut against road transport. Thus making a sustainable contribution to environmental protection. With **TFGeco train** and **TFGeco truck**, we are pioneers for climate-friendly combined transport.



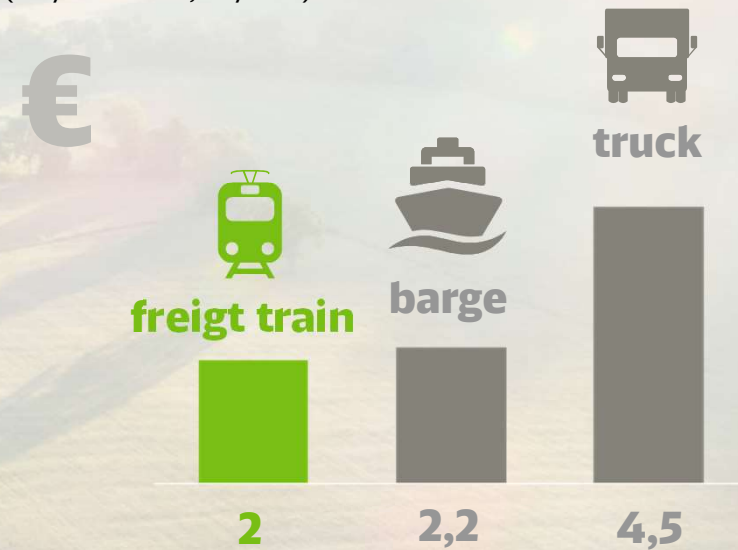
# Environmental benefit of rail. »

Rail transport saves **80%** **CO<sub>2</sub>** compared to road transport.  
(19g/tkm vs. 96g/tkm)



Greenhouse gas emissions (CO<sub>2</sub>e) in grams per tonne and kilometre (tkm) in Germany

At the same time, rail accounts for less than **50%** of the **external costs<sup>1</sup>** of road transport.  
(2ct/tkm vs. 4,5ct/tkm)

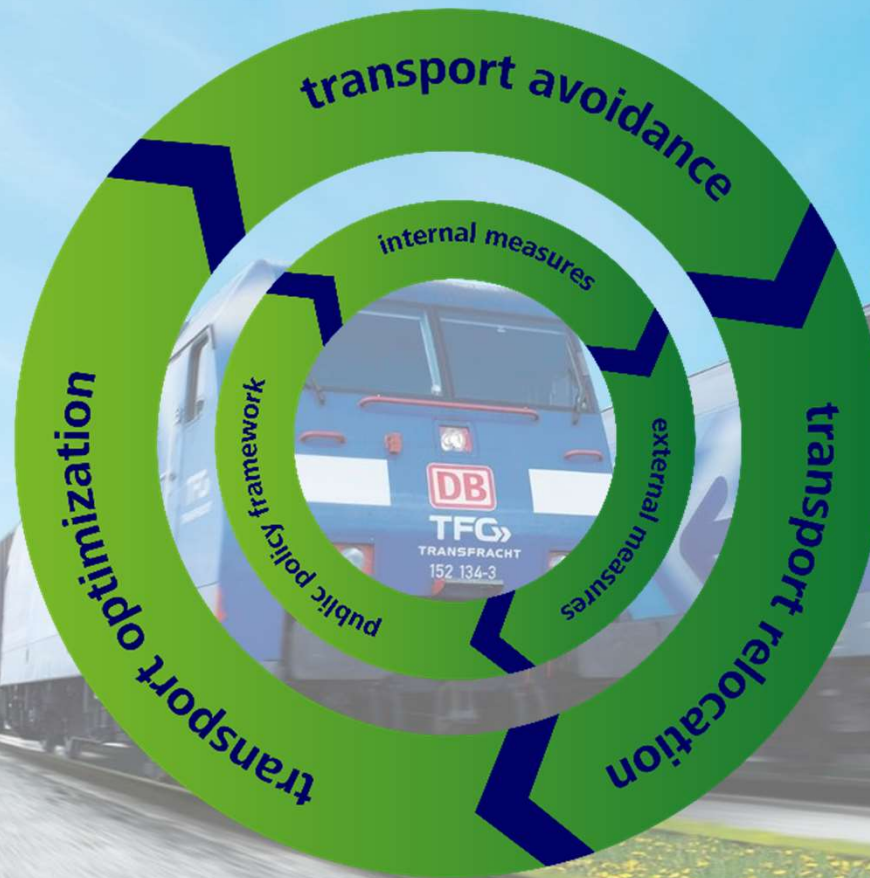


<sup>1</sup> External costs in euros per tonne and kilometre (tkm) in Germany = Consequential costs incurred by freight transport but not caused by the modes of transport. It looks at upstream and downstream processes, accidents, noise, nature and landscape, climate, air pollutants

Source: Infra study, Pro-Rail Alliance (Germany, 2019)



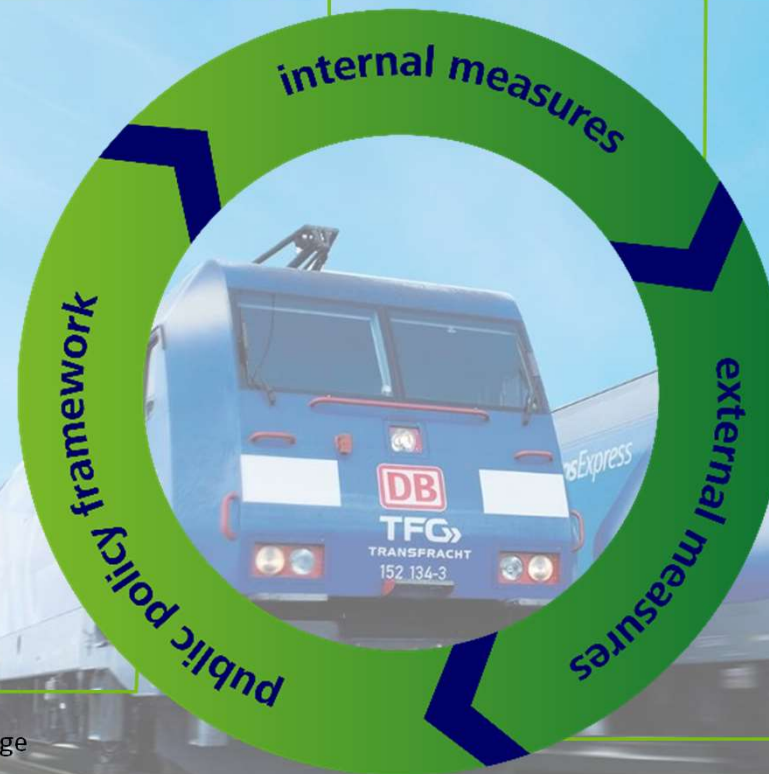
## For the climate. For the people. For the economy.



## Our measures as the core of ecological action.

- 1 Boosting **TFGeco train** and **TFGeco truck** for sustainable transport chains
- 2 **Paperless internal processes** (salary, expenses etc.)
- 3 **Reduction of business trips**, increased use of digital solutions
- 4 **Paperless train** – replacement of documents with digital solutions
- 5 **Green electricity** at TFG-locations
- 6 Continuous implementation of **new TFGreen measures**

- 1 Visualization of TFGreen on all channels and documents
- 2 Invoice conversion to **e-invoicing**
- 3 Use of **sustainable advertising media**
- 4 Expansion of **ecological projects** (bee sponsoring)
- 5 Complete conversion to **whisper brakes**
- 6 Establishment of **Shortland-Feeder**



- 1 **Free of road charge** in the pre-/ post carriage
- 2 **Investments in the development** of railways
- 3 **Promoting** the modernisation of rail vehicles

- 4 **Simplification** of the framework conditions (customs & dangerous goods)
- 5 **Creating public awareness**



We are constantly working to further improve the **environmental advantage of rail**

**CO<sub>2</sub>-free** rail transports

Increase the **load**

Development of the **short distance**

Use of low-emission **trucks**

Complete conversion to **whisper brakes**

**Promoting** the modernisation of rail vehicles

**Green electricity** at TFG-locations

Advance **digitalisation**



**» Become an eco-improver. »**



# Environmental advantage of rail. »

Make the **environmental benefit** of your rail freight transports transparent and use it for your company!

TFG Transfracht offers the possibility to save certificates for carbon footprint against road transport.

The CO<sub>2</sub> savings are calculated on the basis of the tonnage per ratio.



» Issuance of certificates on savings in CO<sub>2</sub>-emissions on the railway in relation to trucks

» Calculation is based on EcoTransIT World ([www.ecotransit.org](http://www.ecotransit.org)) complies to DIN EN 16258





**» Place yourself an  
environmental pioneer and  
make your transport chains  
more sustainable. »**



# Green Logistics. » eco solutions.

## eco train

## eco truck

100 % CO<sub>2</sub>-free und CO<sub>2</sub>-neutral on the rail

+

100 % CO<sub>2</sub>-neutral on the road

- » 100% CO<sub>2</sub>-free by green electricity on electrified routes in Germany
- » 100% CO<sub>2</sub>-neutral through compensation of unavoidable CO<sub>2</sub>-emissions on non-electrified routes or routes outside of Germany
- » Surcharge per TEU
- » Issuance of certificate for CO<sub>2</sub>-free and/or CO<sub>2</sub>-neutral transport

- » 100% CO<sub>2</sub>-neutral through compensation of unavoidable CO<sub>2</sub>-emissions on the road
- » Perfect addition to TFGeco *train* for sustainable transports
- » Surcharge per container depending on weight and sales zones
- » Issuance of certificate for CO<sub>2</sub>-neutral transport



## With **TFGeco train** CO<sub>2</sub>-free und CO<sub>2</sub>-neutral on the rail.

We offer you consistently renewable electricity from renewable energy sources for your transport by rail. This allows us to carry your transports completely CO<sub>2</sub>-free. Unavoidable CO<sub>2</sub>-emissions on non-electrified routes or abroad are offset to become CO<sub>2</sub>-neutral.

- » 100% CO<sub>2</sub>-free by eco-power or 100% CO<sub>2</sub>-neutral by compensation
- » For rail freight on all routes emissions
- » Certificate by TÜV (electrified routes)
- » Yearly certificate for compensated CO<sub>2</sub>-emissions





# CO<sub>2</sub>-avoidance with **TFGeco train**

## How it works:

- 1** For you: We calculate the specific energy demand and the energy-saving potential
- 2** For you: We purchase the required amount of renewable power
- 3** You for the environment: Transport CO<sub>2</sub>-free or CO<sub>2</sub>-neutral





# With **TFGeco truck** compensate for unavoidable emissions in the pre- and post-carriage

**TFGeco truck** compensates for unavoidable CO<sub>2</sub>-emissions on the road and is therefore the perfect complement to **TFGeco train**.



- » Pre- & On-Carriages on the road
- » Supplement to **TFGeco train**
- » Certificate for compensated CO<sub>2</sub>-emissions



# CO<sub>2</sub>-compensation with TFGeco truck

nachdenken • klimabewusst reisen  
atmosfair



## How it works:

- 1** *For you:* We calculate CO<sub>2</sub>-emissions of your transport chain
- 2** *For you:* We purchase climate protection certificates
- 3** *You for the environment:* Transport CO<sub>2</sub>-neutral + improve environmental and living conditions



# This is green. » Certificates.

## Environmental benefits rail / road



## Climate footprint TFGeco train



## Climate footprint TFGeco truck + TFGeco train



- » Issuance of certificates on savings in CO<sub>2</sub>-emissions on the railway in relation to trucks
- » Calculation is based on EcoTransIT World (ecotransit.org)

- » Certificate of avoidance of the CO<sub>2</sub>-emissions
- » Electrified routes in Germany and Switzerland
- » TÜV-certified

- » Certificate of compensation of non-avoidable CO<sub>2</sub>-emissions by promoting sustainable projects (based on Kyoto-Protocol)
- » Non-electrified routes in Germany and abroad



## With *AlbatrosExpress* products CO<sub>2</sub>-free and CO<sub>2</sub>-neutral on the rail & CO<sub>2</sub>-neutral on the road

	Basic	Prime	Slot	Block train	Flex train	BOX <sup>2</sup> RAIL	Stand-by
Specifics	Container transport in the high-frequency AlbatrosExpress network according to the current timetable and availability	Prioritized and assured container transport according to the current AlbatrosExpress network timetable	Assurance of fixed capacities in the high-frequency AlbatrosExpress network according to the current timetable	Planned and customized whole train performance regardless of the current timetable of the AlbatrosExpress network	Short-term and customised block train transport performance on special train basis independent of the current timetable of the AlbatrosExpress network	Prioritized container transport of small quantities from one container according to the current timetable and availability	Transport of empty containers only within 30 days according to the current timetable and availability

port-to-door v.v. / port-to-terminal v.v.

port-to-depot v.v.

CO<sub>2</sub>-free and CO<sub>2</sub>-neutral with **TFGeco train** on the rail + CO<sub>2</sub>-neutral with **TFGeco truck** on the road



# Together for climate protection

Please do not hesitate to contact us.

Let us work together to make your transport sustainable and thus protect our environment.

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