TARGETING A SUSTAINABLE TOMORROW TOGETHER!

AIR & SEA

Gebrüder Weiss
Transport and Logistics

As we embrace climate neutrality, we face the challenge of having to use emerging technologies, especially in the transport sector.

Alternative drive systems using hydrogen, electricity and gas are already undergoing successful trials in everyday operations at Gebrüder Weiss. Yet if these bridging technologies are to become mainstream, the vehicles need to become significantly more economical with the required infrastructure universally available.

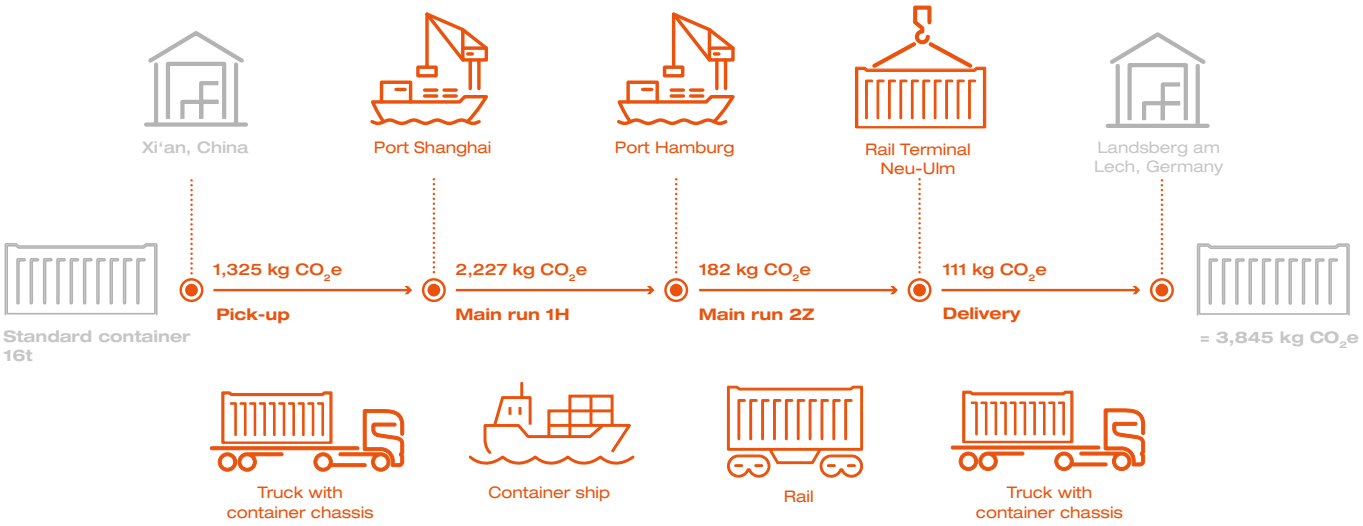
We also offer solutions for air and sea freight. Sustainable fuels are a viable alternative to fossil fuels for powering commercial aircraft and container ships, and offer significant potential for reducing greenhouse gas emissions.

In addition to the use of alternative drive systems and fuels, we have developed the zero emissions product, which already allows you today to offset the emissions from your shipments.

HOW DOES GEBRÜDER WEISS CALCULATE EMISSIONS AT A SHIPMENT LEVEL?

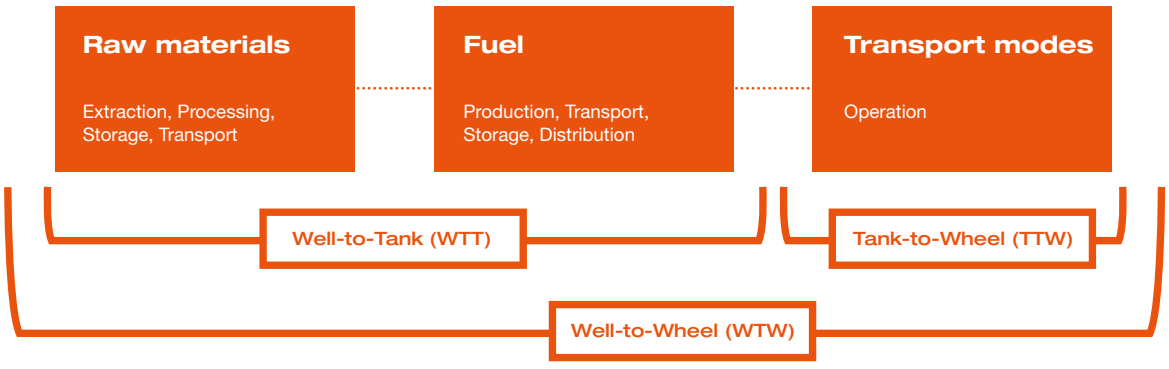
The CO_2 emissions (Well-to-Wheel) are calculated with the help of EcoTransIT. They are based on data from our in-house Transport Management System (TMS). The pre-, main and on-carriages are all factored into the equation, as well as the specific modes of transport.

EcoTransIT methodology is based on the European standard DIN EN 16258 and GLEC.



WHAT DOES WTW MEAN?

WTW means Well-To-Wheel. It refers to the total CO_2 emissions generated from the source of a product's raw materials – up to and including the operations of transport modes.



WHAT SUSTAINABLE SOLUTIONS ARE THERE FOR AIR AND SEA FREIGHT SHIPMENTS?

Sustainable Aviation Fuel (SAF) and Sustainable Marine Fuel (SMF) are sustainable fuels used in aviation and shipping. By using sustainably produced fuels made from non-fossil raw materials, the carbon emissions can be reduced by approximately 80% (for SAF) and about 90% (for SMF) compared to conventional fuel. We offer numerous destinations in cooperation with selected partner airlines and carriers.

In addition to using sustainable fuels, there is also the option to **offset carbon emissions** based on the Greenhouse Gas (GHG) Protocol through our **zero emissions product**.

HOW DO I BOOK AN AIR FREIGHT SHIPMENT WITH SAF?

The current cost of **reducing 1kg of CO_2** in air freight through SAF is approximately **€0.73 to €0.99 per kg**, depending on the airline.

We will be happy to obtain a corresponding offer for you, tailored to the amount of CO_2 you would like to offset.

Note: The sustainable fuel SAF cannot yet be used on all routes or applied at 100%. In order to achieve the desired CO_2 compensation, the required compensation quantity is divided over corresponding or several routes. From 2025, at least 2% SAF must be added to conventional kerosene. The proportion of SAF is to be gradually increased to 63% by 2050.

HOW DO I BOOK A SEA FREIGHT SHIPMENT WITH SMF?

There is an **additional cost per TEU** when choosing to reduce CO_2 in sea freight with SMF. These vary depending on the trade lane and distance.

We will be happy to obtain a corresponding offer for you, tailored to the amount of CO_2 you would like to offset.

Note: The sustainable fuel SMF cannot yet be used on all routes and applied at 100%. In order to achieve the desired CO_2 compensation, the required compensation quantity is divided over corresponding or several routes.

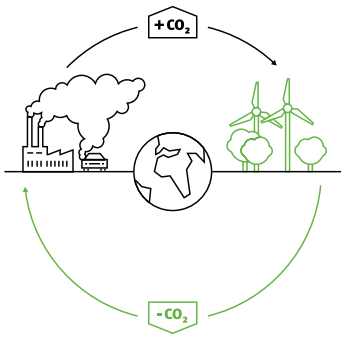
zero emissions

With **zero emissions**, you can completely offset the carbon emissions of your shipment.

Using EcoTransIT, it is possible to calculate emissions per shipment in land, air and sea transport. Using this data, we can help you determine the carbon footprint of your product.

You can balance the emissions generated directly via one of our certified climate protection projects. You will then receive a certificate from us semi-annually or annually.

HOW DOES VOLUNTARY COMPENSATION FOR CO_2 EMISSIONS WORK?



Exactly where greenhouse gases are emitted or reduced is not critical for the climate. As a result, emissions can be offset by reductions at another location far away.

First of all, the volume of greenhouse gas emissions from a process, company or service etc. is measured (carbon footprint).

In the next step, compensation is secured in the form of certificates (including emission reduction credits), so that the volume of emissions is offset in climate protection projects.

HOW DO I OFFSET CARBON EMISSIONS FOR AIR AND SEA FREIGHT SHIPMENTS?

You can book your air and sea freight shipments with us as carbon neutral through offsetting and receive a certificate from us either semi-annually or annually.

The methodology for calculating carbon emissions is carried out by EcoTransIT and complies with the European standard DIN EN 16258 and GLEC.

WHAT ARE SUSTAINABLE DEVELOPMENT GOALS?

The 17 Sustainable Development Goals (SDGs) are United Nations political objectives that foster sustainable development on economic, social and ecological levels worldwide. They were created in line with the Millennium Development Goals (MDGs) and went into effect on January 1, 2016, for a period of 15 years (until 2030). The SDGs apply to all countries equally.

WHICH CLIMATE PROTECTION PROJECTS CAN YOU SUPPORT?

Energy projects that avoid emissions of climate-relevant gases

Projects that cut or integrate CO_2 emissions

Energy efficiency projects that generate lower CO_2 emissions compared to fossil fuels

Projects that reduce emissions from deforestation and forest degradation

SELECTION OF CLIMATE PROTECTION PROJECTS:

In conjunction with our partner NatureOffice, we have listed a selection of climate protection projects for you below.

You have ideas of your own? Then talk to us! We would be happy to present further projects for consideration.

Less deforestation due to reduced burning of wood, „Toyola Clean Cookstoves“, Nigeria, Gold Standard certified

In this Nigerian project, conventional stoves are being replaced by far more efficient models known as Toyola Coalpots. Households adopting the new stoves cut their energy consumption by about 30% per year, translating into savings of 80 euros. In addition to the fuel savings, the lower emission levels also reduce air pollution. This improves general health levels among the Nigerian population.

SDG **1** 2 **3** 4 **5** **6** **7** 8 9 10 11 12 **13** 14 **15** 16 17

Improving living conditions with clean water, „Borehole Project Dowa and Kasungu“, Malawi, Gold Standard certified

Poor hygiene, substandard sanitation facilities and a lack of clean water are among the main causes of poverty in Africa. Without access to clean drinking water, the prospects of escaping the poverty trap are very slim. The Malawi Borehole Project provides dedicated supplies to local communities.

SDG **1** 2 **3** 4 5 **6** 7 8 9 10 11 12 **13** 14 **15** 16 17

Forest ecology projects in Montafon plus clean energy generation using wind power: Combined Climate-Protection Project „Austria plus Montafon“, Austria / China, Gold Standard certified

This project consists of two parts. The Jinchuan Magang 49.5MW Wind Power Project is based e region of Jinchuan. Its purpose is to install – and produce renewable electricity with – 33 sets of 1.5MW wind turbine generators. The project is expected to gen ate approximately 103 GWh of power per annum. That would result in an annual CO_2 reduction of some 90,000 metric tons. For each CO_2 certificate, 2.50 euros are donated to forest ecology projects in Western Austria‘s Montafon Valley. These have been developed in conjunction with the Montafon Municipialities Association and will be implemented by the Bergwald Foundation.

SDG **1** 2 **3** 4 5 **6** 7 8 9 10 11 12 **13** 14 **15** 16 17

Sustainable forest management that safeguards valuable eco-systems, „PACAJAI REDD+ PROJECT“, Brazil, CCBS certified

This climate-protection project helps village communities in the valley of Jari / Amapá to prevent the clearing of surrounding woodlands. The primary aim is to preserve some 180,000 hectares of forest. As part of the project, villagers receive special training in how to encourage sustainable woodland use among new residents and how to foster cooperation in the field of forest protection.

SDG **1** 2 **3** 4 5 **6** 7 8 9 10 11 12 **13** 14 **15** 16 17

Clean energy thanks to solar power, Solar Power Project, India, Gold Standard certified

The project includes the construction and operation of a photovoltaic plant near the village of Thirumani in the state of Karnataka. The solar park has a total installed capacity of 100 MW and produces around 181 GWh of clean electricity annually. Taking average per capita consumption in India as a base, the project will be able to meet the annual electricity needs of 225,000 people in a sustainable way.

SDG 1 2 3 4 5 6 7 8 9 10 11 12 **13** 14 15 16 17

Sustainable brazil nut cultivation to protect woodlands, „Brazil Nut Rainforest Community Project“, Peru, CCBS certified

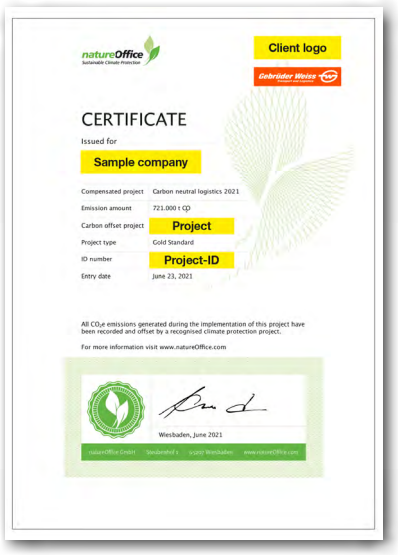
The work of the climate-protection project Brazil Nut Rainforest Community is focused on preserving the virgin rainforests which are the home and habitat of an array of rare and endangered flora and fauna. Through its work, the project offers a long-term source of income for some 400 families engaged in the traditional harvesting of brazil nuts.

SDG **1** 2 **3** 4 5 **6** 7 8 9 10 11 12 **13** 14 **15** 16 17

WHY DOES THE PRICE OF CLIMATE PROTECTION CERTIFICATES VARY?

The following factors impact the price of the certificates:

- the quality of the project
- the scale of the project
- the social co-benefits generated by the project (e.g. improvements to social structures and living conditions in the area)
- the region hosting the project
- dates of the certificates’ terms
- the level of demand for specific project types or locations
- the number of certificates purchased (the higher the quantity, the lower the unit price)



Certificate

After you order, you will receive a certificate bearing your company name and the project number which you can cite as further verification in your communications.

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