

# Greenhouse Gas Emissions Calculator

Automate and streamline the calculation of your greenhouse gas emissions with precision.

Fully integrated within the CargoWise ecosystem, the Greenhouse Gas Emissions Calculator covers quotes, bookings, shipments, consolidations, and routing legs.

It provides clear CO<sub>2</sub>e values for shipments across various transport modes and offers customizable documents for carbon footprint calculations, enabling smarter, more sustainable decision-making.

## Comprehensive emissions reporting

With all emissions data housed within CargoWise, generate reports that include environmental impact alongside operational metrics, without switching between platforms or manually entering data.

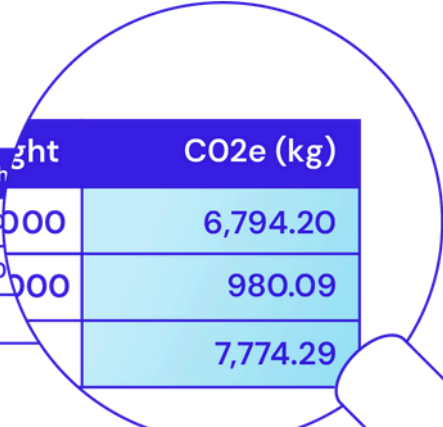
## No setup costs and start immediately

Now available across key functions such as quotes, bookings, and shipments, eliminate the need for third-party tools with complex implementations, making it easier to meet carbon reporting requirements.

## Remain compliant with evolving industry standards

With a long-term roadmap including enhancements to accuracy and efficiency in emissions calculations, the Greenhouse Gas Calculator uses EcoTransIT World, which is compliant with GLEC (Global Logistics Emission Council) framework and ISO 14083.

Take control of your environmental impact by addressing the **critical challenge of greenhouse gas emissions in freight transportation and logistics.**



Route	Weight	CO <sub>2</sub> e (kg)
USLAX to GBLHR	100,000	6,794.20
GBLHR to FRACDG	100,000	980.09
Total CO <sub>2</sub> e emissions		7,774.29

# Gain insight into emissions across the entire cargo journey



### Comprehensive cargo journey tracking

Track the entire cargo journey, from pre-carriage to on-carriage and through each stage of the main-carriage. Whether shipments are transported via air, sea, road, or rail, the calculator ensures that every leg of the journey is included in the emissions calculation.



### Shipment consolidations and multi-leg journey

For shipments that are part of a consolidation or involve multiple legs, emissions are calculated for each leg, using the specific routing and transport details. Track shipments across different modes and accurately calculate the emissions for each segment of the journey.



### Pre-Carriage and On-Carriage inclusion

Gain comprehensive visibility across both pre-carriage and on-carriage stages of transportation. This ensures emissions are accurately calculated not only for the main shipment journey but also for the initial pickup and final delivery legs, providing a complete and detailed view.

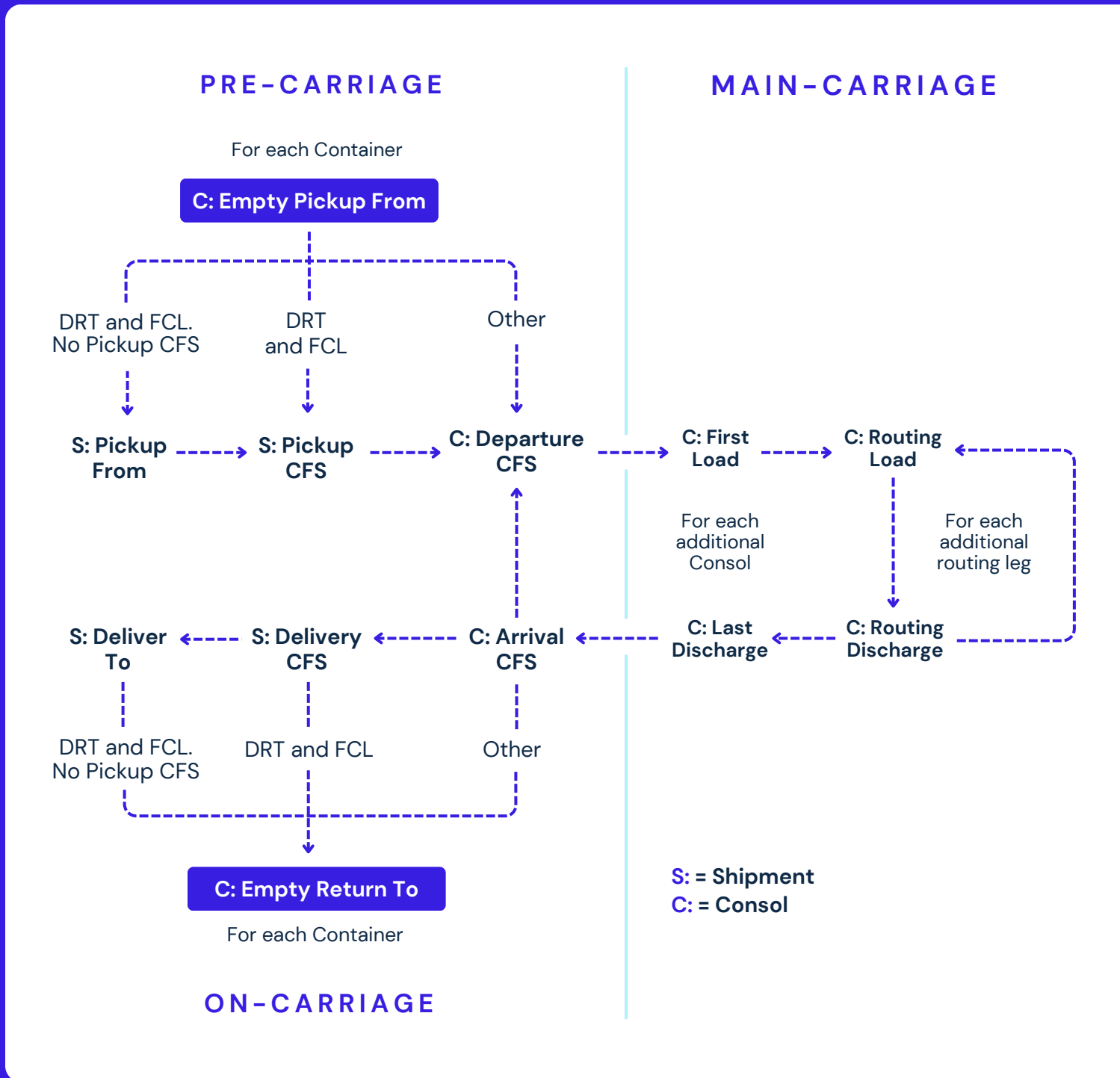


### Emission calculation accuracy

As more details become available during the shipment process, such as the exact carrier, vessel, or flight details, the calculator refines its CO<sub>2</sub>e estimates. This dynamic feature allows for more accurate emissions tracking and reporting as the cargo progresses in its journey.

# Flow of routing legs for CO2e emissions calculation

Pre-Carriage, Main-Carriage, and On-Carriage legs, including emissions from transport bookings and empty container movements, with fallback options for missing data.



# CARGOWISE NEXT

Gain insights into shipment and consolidation emissions to better manage your environmental impact.

## Reports

Access a detailed view of emissions with Shipment Profile, Shipment Listing, and Consol Profile reports, all supporting your compliance and sustainability initiatives.

- **Accurate emissions tracking:** Displays "CO2e (kg)" and "CO2e Status" to provide real-time visibility into emissions data.
- **Improved compliance:** Ensure emissions calculations are current and accurate, helping you meet regulatory requirements.
- **Actionable insights:** Leverage clear emissions reporting to make informed decisions that reduce environmental impact and enhance your brand's sustainability credentials.
- **Sustainability at scale:** Drive your sustainability strategy by tracking emissions for grouped shipments, helping ensure you meet environmental targets at scale.

## Module grid

Gain real-time visibility of your emissions and statuses by adding columns and filters to the grids in the Shipments and Consolidations modules.

- **Powerful search function:** Easily search jobs by their CO2e value and status with a new filter available for Shipments, Consols, Transport Bookings, Forwarding Bookings, and One-off Quotes.
- **View CO2e values and statuses:** A dedicated CO2e column in the module search grid allows users to view emissions data directly, without opening individual jobs.

## Documents

Experience seamless emission tracking and meet reporting requirements for both individual shipments and consolidations.

- **Deep integration:** Add greenhouse gas emission details directly into shipping documents without altering existing formats.
- **Enhance transparency and compliance:** Provide clear, accessible emissions data for every shipment and consolidation where it's required, improving regulatory adherence.
- **Emission visibility:** Add new emission document strips to any shipment and consolidation document, increasing emission visibility for selected shipments and consols.