

Shipping Made Fossil Free



Reducing the fossil emissions from sea and air freight – without changing how goods are shipped.

Shipping Made Fossil Free is Greencarrier’s initiative to help customers reduce fossil CO2 emissions from transport. Through certified solutions for sea and air freight, we enable measurable emission reductions without changes to routes, vessels, aircraft, or logistics setup.

Our Solutions

Maritime Biofuel Insets

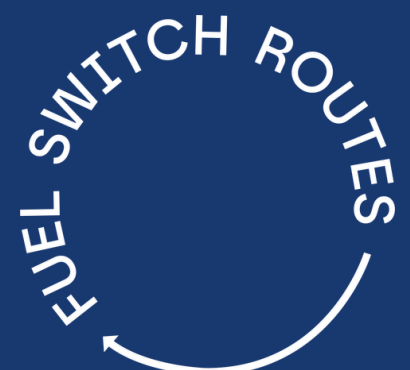
Reduce the climate impact of sea freight by replacing fossil marine fuel with renewable biofuel –without changing vessels or routes.

Sustainable Aviation Fuel Certificates (SAFc)

Lower the climate impact of air freight by replacing conventional jet fuel with certified renewable fuel –without operational changes.

Fuel Switch Routes

Selected LCL sea freight routes where certified biofuel insets are applied automatically, making fossil-free shipping the default option.



Frequently Asked Questions

What are Maritime Biofuel Insets?

Maritime Biofuel Insets allow customers to allocate the climate benefit of renewable marine biofuel to their sea freight shipments. Fossil CO2 emissions can be reduced by up to 100%, supported by verified documentation. The biofuel is liquefied biogas (LBG) produced from manure. This supports circular resource use while avoiding methane emissions.

What are SAF certificates (SAFc)?

SAF certificates, or SAFc, support the use of Sustainable Aviation Fuel within the aviation system. SAF can reduce fossil CO2 emissions by up to 80% compared to conventional jet fuel, with benefits are allocated through a third-party verified certification.

What are Fuel Switch Routes?

On selected high-volume LCL import routes, biofuel insets are applied automatically at no extra cost. Current routes include Shanghai–Gothenburg and Shanghai–Hamburg.

What is Book & Claim?

Book & Claim separates the environmental benefit of a renewable fuel from the physical fuel itself. This means a company can purchase the emission reduction from renewable fuel, even if the actual fuel is used somewhere else in the network.

Do customers need to change their logistics setup?

No. All Shipping Made Fossil-Free solutions work without changes to routes, carriers, vessels, aircraft, or operational processes.

Does fossil-free shipping cost more?

Fuel Switch Routes are included at no additional cost on eligible routes. Maritime Biofuel Insets and SAFc are priced according to the shipments specific emission profile (i.e. weight, distance, mode of transport). Please see pricing examples below.

What documentation do customers receive?

Customers receive verified retirement statements confirming renewable fuel usage, fossil CO2 emission reductions, and support for Scope 3 emissions reporting.

Maritime Biofuel Insets pricing

FCL pricing (Full container)

Package	Destination	Unit	Emissions	Cost of reduction	CO2 reduced
SMALL Package - 25% Reduction	Shanghai – Hamburg (19 958,42 km)	1 container (avg. weight 10 tonnes)	1 ton CO ₂	37,5 euro	25%
MEDIUM Package 50% Reduction	Shanghai – Hamburg (19 958,42 km)	1 container (avg. weight 10 tonnes)	1 ton CO ₂	75 euro	50%
LARGE Package 100% reduction	Shanghai – Hamburg (19 958,42 km)	1 container (avg. weight 10 tonnes)	1 ton CO ₂	150 euro	100%

LCL pricing (Less-than-container-load)

Destination	Unit	Emissions	Cost of reduction	CO2 reduced
Shanghai-Hamburg (19 958,42 km)	1 shipment (av. weight 1000kg)	100kg CO ₂	15 euro	100%

SAFc pricing

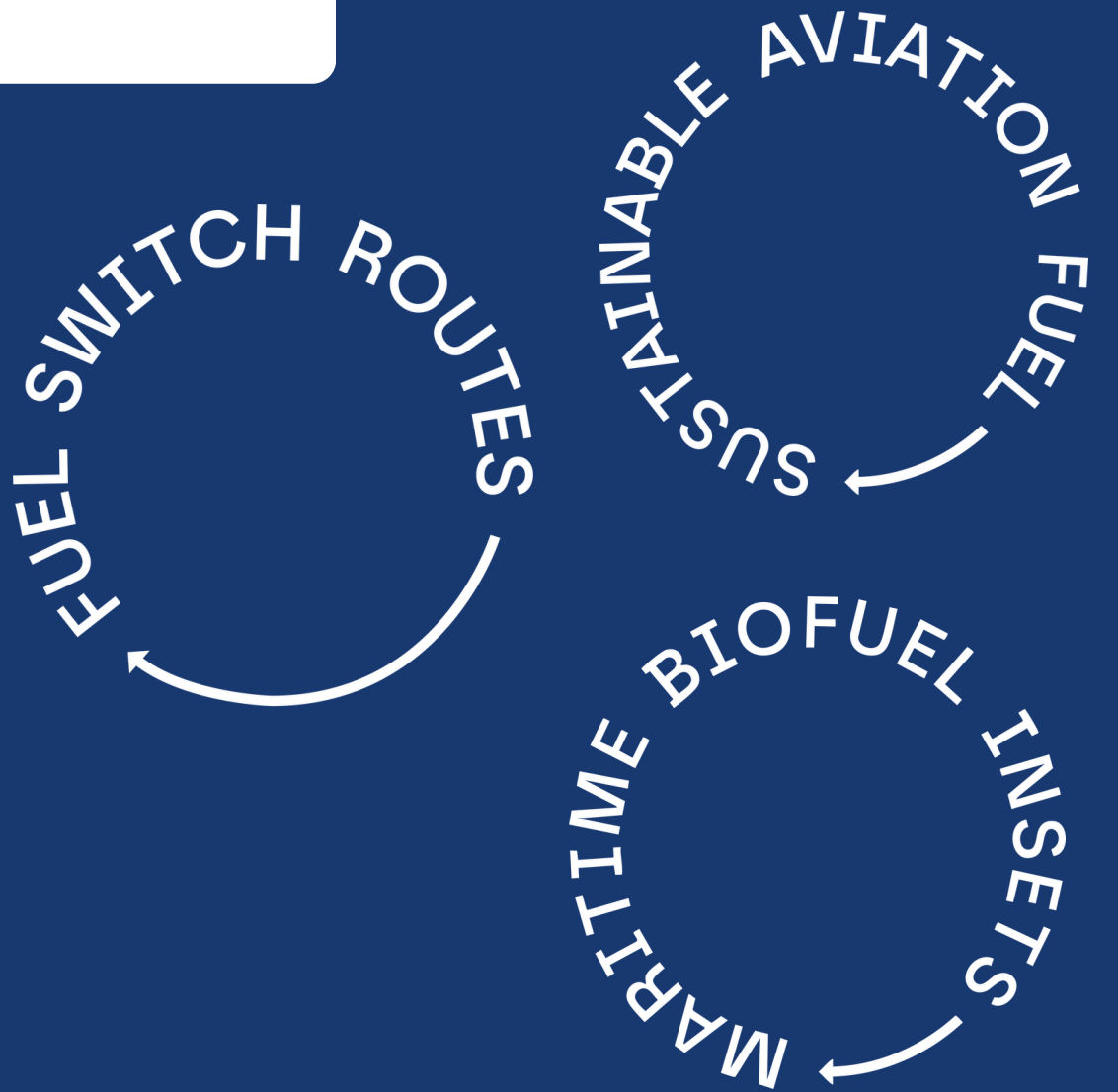
The baseline price for SAFc, for reducing one (1) tonne of CO₂, is €250.

Why it matters

Transport is a major contributor to global greenhouse gas emissions. By scaling renewable fuel solutions today, Shipping Made Fossil-Free delivers measurable climate impact now while supporting the long-term transition toward fossil-free shipping and aviation.

Get started

Contact us to book today at
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If you have any questions, don't hesitate to contact Greencarrier Group's Head of Sustainability, Patrik Westræus, at patrik.westraeus@greencarrier.com