Logistics decarbonizer

A new way to accelerate to net zero

It's vital that, as a global community, we move urgently beyond low carbon, to no carbon. Changing a route or transport mode can make major contributions to your carbon reduction.

Underlined by the COP26 decisions, governments and consumers expect industry to take concerted action to address climate change. Businesses everywhere are rising to the challenge of delivering net zero by the middle of the century. The European Commission's Sustainable and Smart Mobility Strategy sets out sustainability plans for all transport modes, with targets for scheduled collective travel for journeys under 500 km to be carbon neutral by 2030 and nearly all cars, vans, buses and new heavy-duty vehicles to be zero-emission by 2050.

Decarbonization challenge

Transportation of goods is Europe's second-highest carbon-emitting sector. Transport (including international shipping and aviation) emitted 32% of the EU's greenhouse gas in 2019, up from 24% in 2000.[1]

Logistics and transport providers face the complex daily challenge of high customer demand, congestion and potential supply chain disruption. So with companies under pressure, decisions about routes and transport modes tend to be based on cost, speed and availability – without much consideration of environmental factors.

The challenge to reduce carbon emissions, if not addressed now, may lead to higher costs for logistics and transport providers through rising tax on emissions.

Cut your carbon with a click

Until now, getting information on the emissions impacts of particular routes and transport modes has been difficult and time-consuming.

All that changes with a new solution developed in partnership by Atos and the Port of Esbjerg. Logistics and transport providers can use this innovative web-based app to cut both the CO_2 emissions and costs of multi-modal logistics.

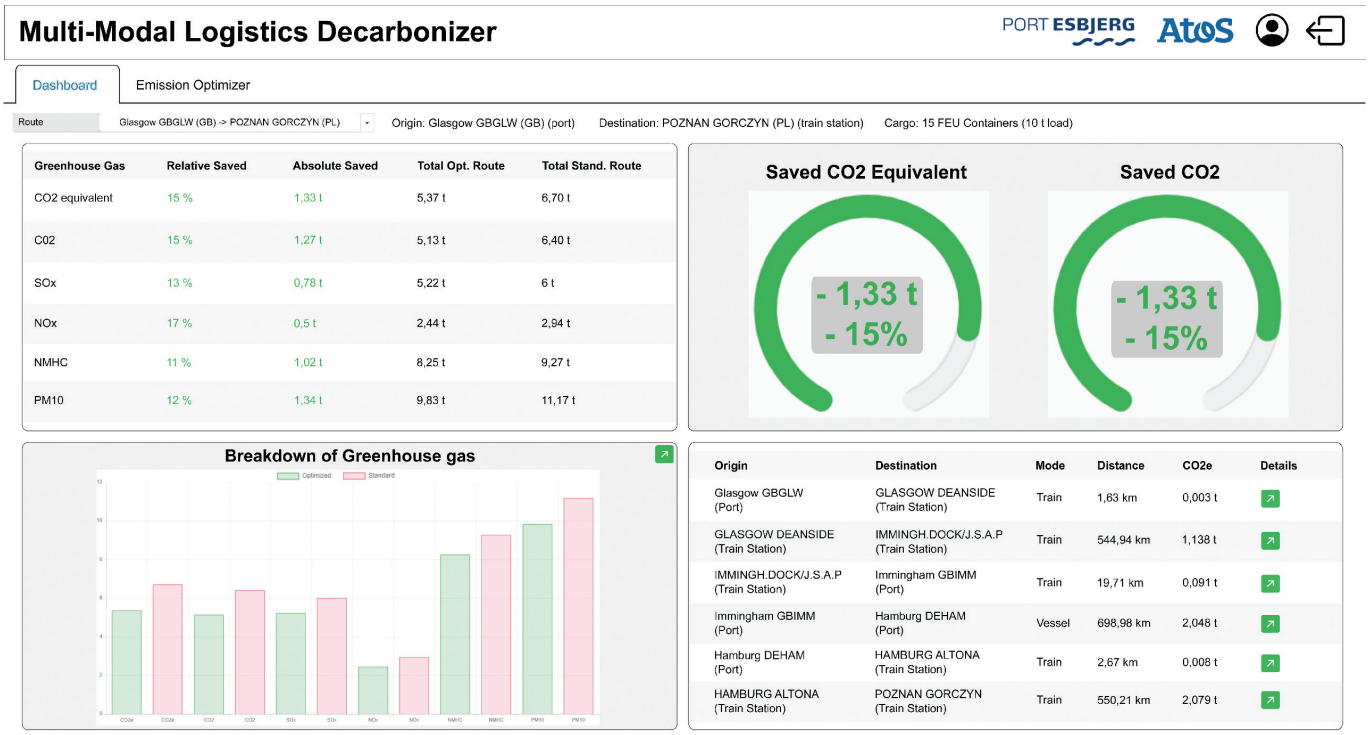
[1]European Environmental Agency, eea.europa.eu/dataand-maps/data/data-viewers/greenhouse-gases-viewer

How the logistics decarbonizer works

Route planners and managers enter delivery and destination information to precisely identify and compare optimal routes and combinations of transport modes (rail, truck, vessel) with the lowest emissions.

Using proven data and calculation algorithms, the app instantly:

- Pinpoints the optimal route for a delivery
- Calculates the CO_2 footprint of each route and respective emission types (CO2, that is SO2, NOx, PM10, etc.)
- Makes suggestions for how to reduce your emissions by changing transport mode or energy type (from fuel to electric power).



As part of its decarbonization commitment, the Port of Esbjerg has worked with Atos to incentivize carbon reduction. It offers discounted port costs through the app to companies using it to plan and operate optimal lower-carbon routes.

our solution can cut up to 15% per journey

Enabling a greener future

The logistics decarbonizer enables companies to make timely evidence-based decisions to cut CO_2 and increase energy efficiency while meeting customer demand.

The app is being piloted with logistics and transport providers and can reduce CO_2 emissions up to 15%.

It provides a wealth of information for companies to track their carbon footprint and develop decarbonization strategies for a greener future. It brings greater visibility into harder-to-measure emissions along a company's value chain (Scope 3 emissions).

The app can be developed for cargo optimization to further cut CO_2 emissions while reducing logistics costs and times.

What next?

If you'd like more information or would like to discuss any aspect of your logistics and decarbonization challenges, contact: rtlmarketing@atos.net