

RedGet.io

Port | Terminal | Maritime

Emissions Scope 1-3 Automated Reporting

PRODUCT DECK



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About Us

RedGet.io is a maritime technology provider delivering proprietary software for AI-powered emissions analysis and forecasting. We're driven by our mission to advance the blue economy by democratizing decarbonization – enabling every port and terminal, large or small, to measure, report, forecast and reduce GHG emissions – voluntarily or by regulation – accurately and transparently, while improving operational efficiency.



Mission

Democratizing decarbonization: enabling every port and terminal – big or small – to measure, report, and reduce GHG emissions, voluntarily or by regulation.



Problem & Risks

Ports and terminals are under regulatory pressure to meet **mandatory and accurate** GHG emission reporting standards. Yet they still rely on **manual** processes, **fragmented** data, and **siloed** stakeholder collaboration.



Environmental Liability



Non-compliance



Penalties & More costs



Reputational risk

96%

total port GHG emissions are classified as **Scope 3**

Port of NY and New Jersey, *Environmental Defense Fund*

\$156/t

Carbon prices projection for 2030

EU ETS II Market Outlook

84%

of companies utilize **Excel** spreadsheets for **ESG data collection**

Wolters Kluwer – CCH® Tagetik.

Why it is important?

10%

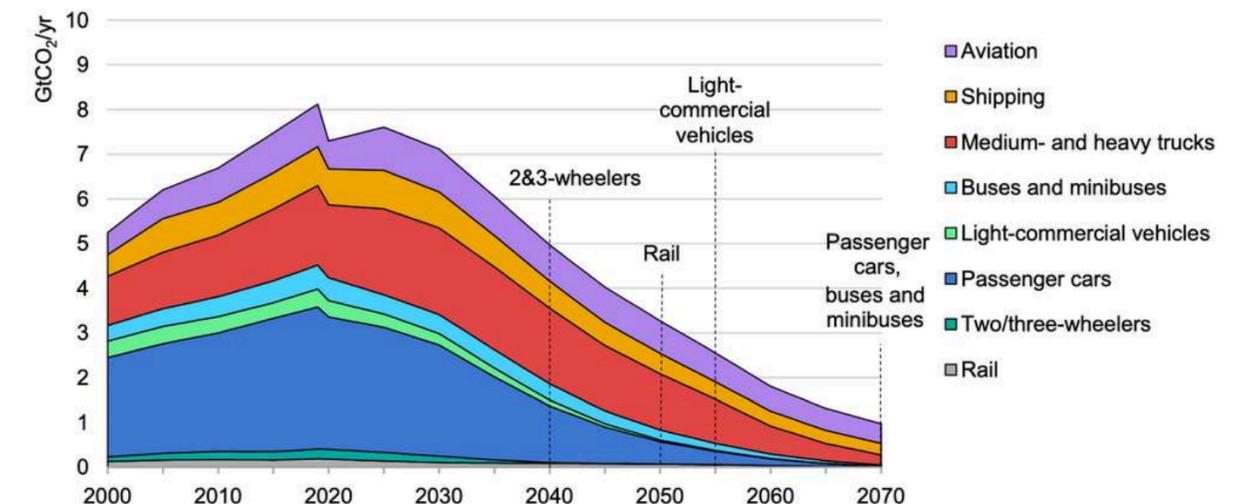
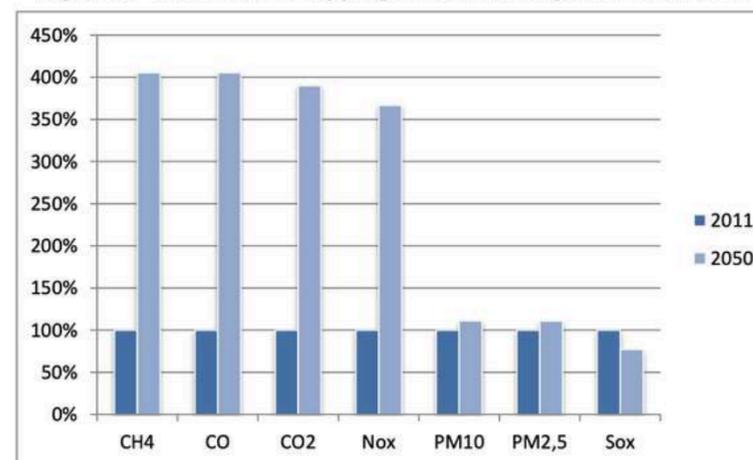
Share of shipping global emissions in 2050
Transportenvironment.org

400%

Increase shipping emissions by 2050
OECD.org

RedGet.io

Figure 8. Increase in shipping emissions in ports 2011-2050



A scenic view of a coastal town with a large cargo ship in the foreground and misty mountains in the background. The ship is a large, dark-hulled vessel with a complex superstructure, moving across the water. The town is built on a hillside, and the mountains are covered in lush green vegetation, partially shrouded in mist. The overall atmosphere is serene and somewhat ethereal.

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Our Solution

Scope 1 & 2

Direct emissions from your own operations (e.g., company vehicles, factories).
Indirect emissions from the energy you purchase (e.g., electricity, heating).



Industry/regulations KPIs



Actionable and granular insights



Port/maritime-specific emissions



Adaptive to current operations



External System Integrations ERPs



In-built data bases/emission factors

This module provides actionable, granular insights into direct and purchased-energy emissions across port assets and operations. It adapts to how you work today, aligns outputs with leading regulatory expectations, and supports audit-ready documentation and approvals. Data can be connected from existing operational, vessel-movement, and metering sources without prescribing specific systems. The result is consistent, comparable reporting and decision-ready views that help prioritize improvements—without forcing a process overhaul.

Who can benefit:



Terminal operators



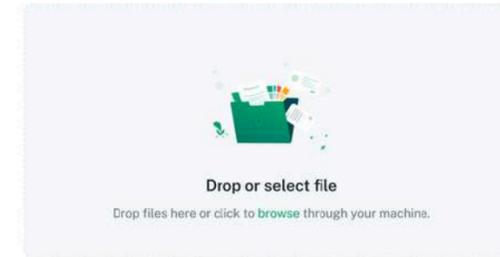
Port authorities



Shipping companies

Report Emission to Office Buildings Electricity

Drag and drop your bill - we'll pull out the important data like kWh used and billing dates.



Please double check the values we read from your file! If needed, fix them before submitting your report.

Reporting Period
July 1 - July 28, 2025

Total Energy Consumption
e.g., 1000 kWh

Total CO₂e Emissions
Calculated value

We use the Emission Factor and Energy/Fuel Rate that provided in the Master Emission Source Settings for this emission source.

Emission Source

Cancel Save + Report Emission

Diesel | Avg Fuel Consumption - 23 L/h | Shift - 16 hours/day | EF (IPCC) - 2.69 kg CO₂e/L, 63 kg CO₂e/h

Table View Dashboard View AI Analysis

Jan, 2025 - March, 2025 Filter Sort

Period	Total Consumption kWh	CO ₂ e Emissions kg CO ₂ e
Jan 1-31, 2025	350	110.0
Feb 1-28, 2025	390	136.0
March 1-31, 2025	420	152.0

Emission Sources:

- Konecranes RTG-05 (2018) - Yard A
- Liebherr RTG-07 (2020) - Yard B
- ZPMC STS-02 (2020) Berth 1 - Mainli...
- Liebherr STS-04 (2017) - Berth 2
- Kalmar RS-03 DRG450 - Yard C
- Empty Handler Hyster EH-02 H1050...
- Terminal Tractor Terberg TT-12 YT22...
- Heavy Forklift Toyota FL-03 16-8FD...
- Tugboat M.V. Ironclad (TB-2476), Ber...
- Terminal Vessel MV Baltic Herald (l...



Scope 3

All other indirect emissions in your value chain (e.g., suppliers, transport, product use)



Data on terminal/berth/vessel level



Monitoring accuracy >50% vs berth-only models



AI-powered Emissions Forecast



Near-Real Time Insights within the port area



All Transport Emission Sources



Data Checks & Validation, Audit-Ready

Extend visibility to indirect, ecosystem-wide emissions, with decision-ready views at port and terminal levels. Automated checks and traceability support verifier confidence, while what-if planning highlights where emissions are likely to change under different operational patterns and conditions. Compared with coarse, location-only approaches, this delivers materially higher fidelity for tenant engagement and targeted action. Actionable insights are presented in a way that fits existing reporting practices and governance- subject to data availability.

Who can benefit:



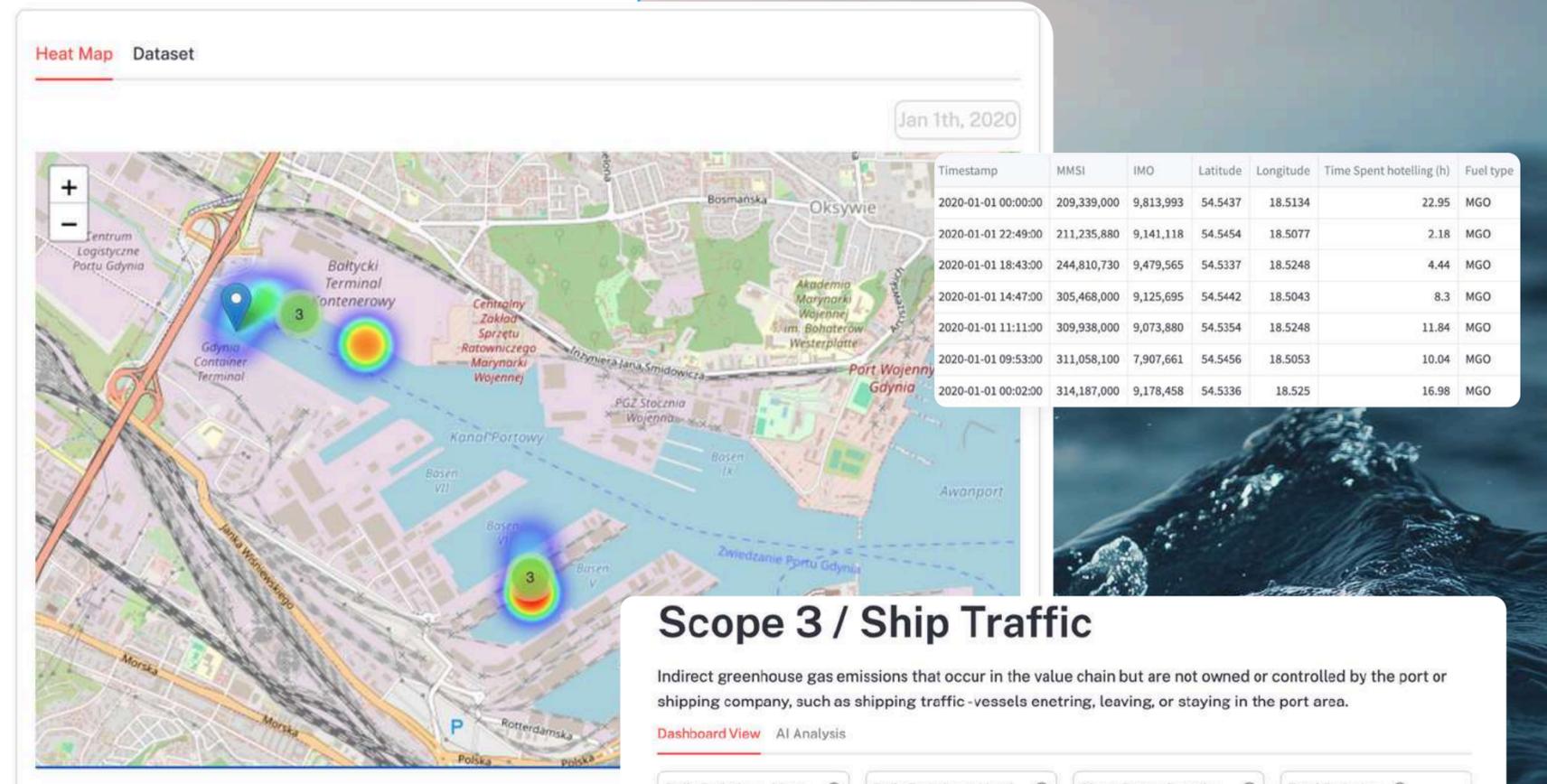
Terminal operators



Port authorities



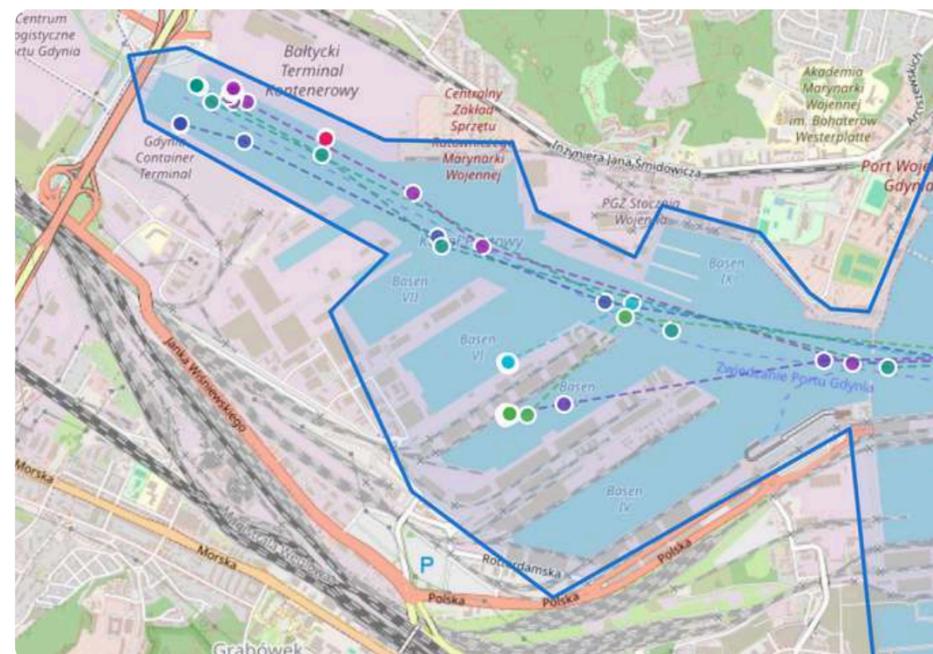
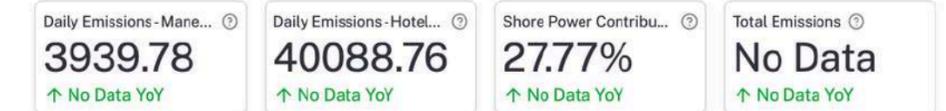
Shipping companies



Scope 3 / Ship Traffic

Indirect greenhouse gas emissions that occur in the value chain but are not owned or controlled by the port or shipping company, such as shipping traffic -vessels entring, leaving, or staying in the port area.

Dashboard View AI Analysis



Maritime AI Assistant

RedGet.io provides AI agents built for ports and maritime companies, trained on industry-specific and company data to eliminate unreliable results. Used exclusively by employees, they act as secure digital coworkers—automating routine tasks, validating data, and supporting compliance and emissions reporting with insights tailored to company needs. Your company's data, your rules — powered by AI.



AI Cworker Analyze Account and Org Specific Data



Trained on Regulations, Standards, Documents



Tailored to you – Company-Specific Knowledge

Who can benefit:



Terminal operators



Port authorities



Shipping companies

What are the latest updates in the European maritime sustainability regulations?

Reference:

- Regulation (EU) 2015/757 (as amended to 2025)
- Commission Delegated Regulation (EU) 2016/2071
- EEA EMEP/EEA Air Pollutant Emission Inventory Guidebook 2023
- Decarbonising Ports: Catalogue of Innovative Solutions (EIT InnoEnergy, 2021+)
- CLECAT Guide to ISO 14083 (2023)

Latest Updates in European Maritime Sustainability Regulations

1. EU MRV Regulation (2015/757, amended 2023–2025)

- From **1 January 2025**, the scope expands to include **general cargo ships below 5,000 GT** and other ship categories that were previously exempt.
- Monitoring, reporting, and verification (MRV) now applies to **all greenhouse gases**, not just CO₂. This aligns the EU MRV system closer with IMO DCS requirements.
- Emissions must be reported on a **voyage basis** for voyages into, out of, and between EU ports.

Emissions from Handling Equipment

Table View Dashboard View **AI Analysis**

 Calculate the total emissions for Q1, 2024

 Data quality is high with 96.0% coverage. However, emissions data for Q1 2024 is not available, leading to a lack of definitive KPIs.

- Total emissions for Handling Equipment in Q1 2024: N/A (missing emissions data).
- Emissions from RTG T1: 77,401.08 kg CO₂e (Q1 2024).
- Emissions from STS D4: 4,020.00 kg CO₂e (Q1 2024).
- Data source IDs: Handling Equipment emissions data (rows: 6).
- Filters: N/A.

Ask about the provided data...

Our proposal:

Measure your KPIs.

Take actions.

Prove the impact.

Run a pilot with us.



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Working together towards
a sustainable blue economy!