

Sustainability Food Ordering System

GreenOrder

Carbon-Smart
Food Ordering System

Team 6 LosAmigosIT



Team Member



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Sustainability Food Ordering System

Agenda

01 System Introduction

02 Function Details

03 Demo Showcase



01/ System Introduction

--- GreenOrder



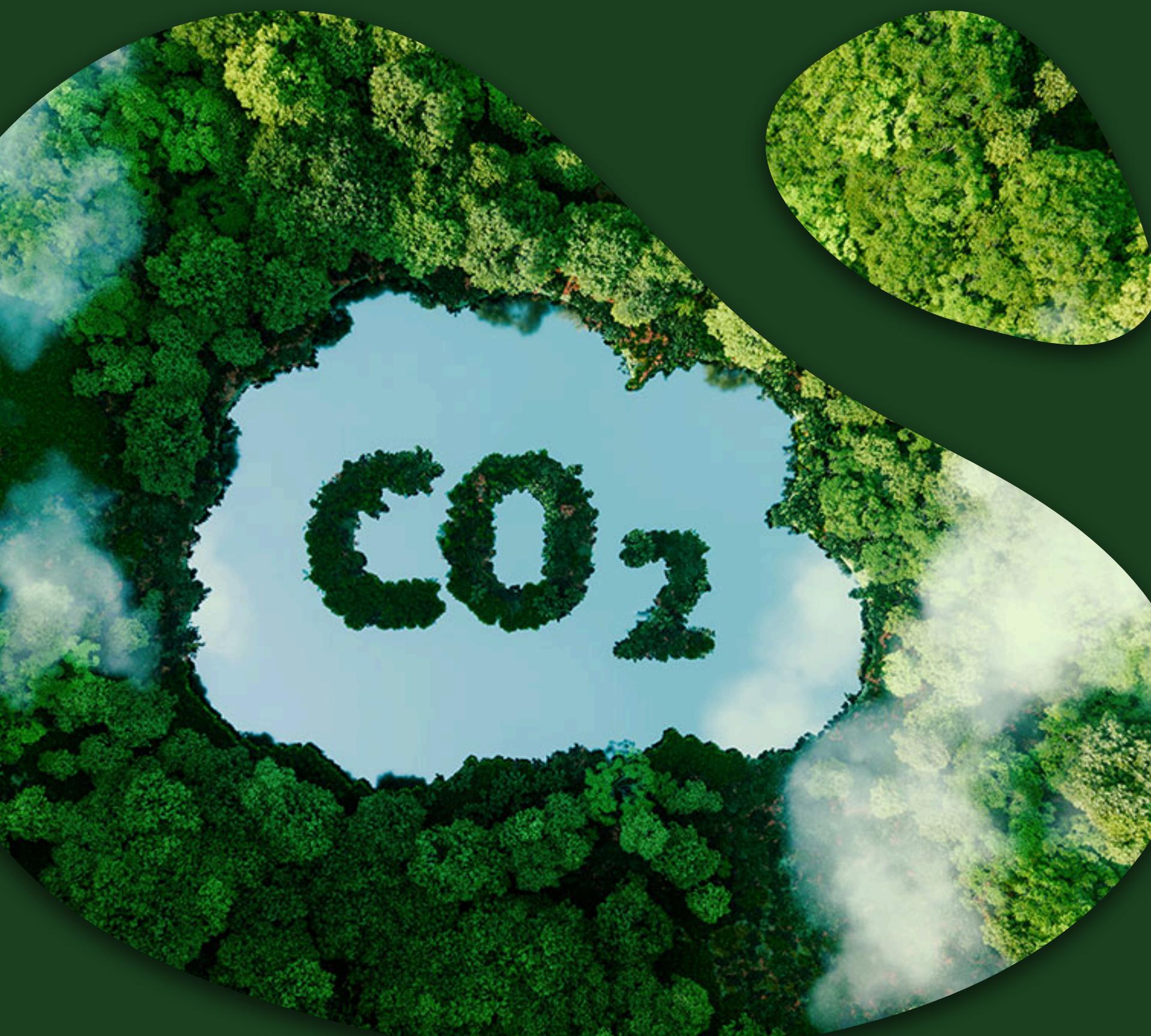


What is GreenOrder?

A Carbon-Smart Food Ordering System that offers optimal sustainable transport alternatives

Why do we need GreenOrder?

To decide for the best food sourcing option based on comparing CO2 emissions, price and quality

An aerial photograph of a dense green forest. In the center, the letters "CO2" are formed by a cluster of trees, with a body of water surrounding them. A large, dark, semi-transparent circular shape covers the upper right portion of the image.

02/ Function Details

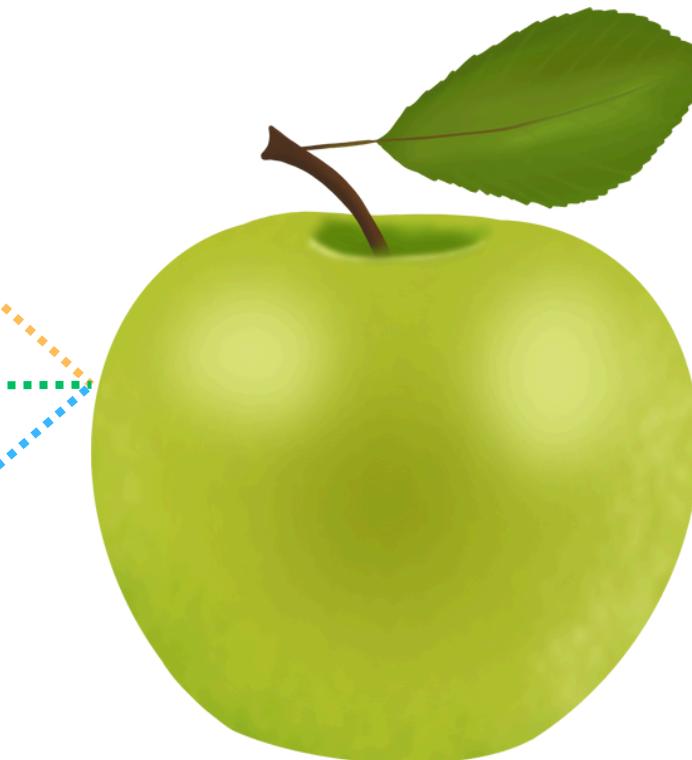
--- Providing a diverse array of food transportation options

Use Case: Strategic Ordering for Sustainability in Large Supermarket Chains

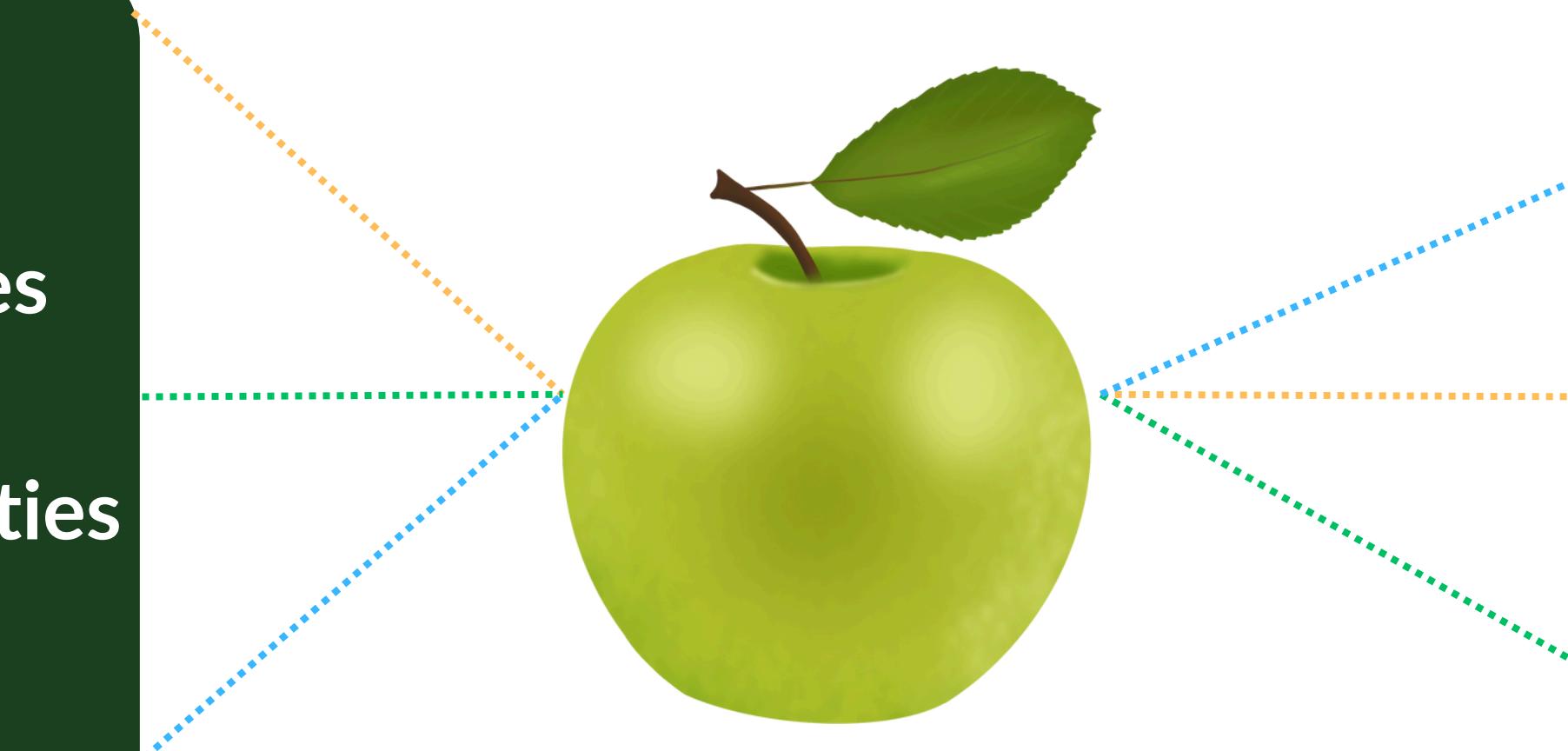
Original Source



Supermarket Chain



Which route should be selected?



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Source 1

From
Location 1
to the
supermarket.

Source 2

From
Location 2
to the
supermarket.

Source N

From
Location N
to the
supermarket.

...

Vehicle
Type

Carbon
Emission

Transport
Routes

Not enough?

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Price



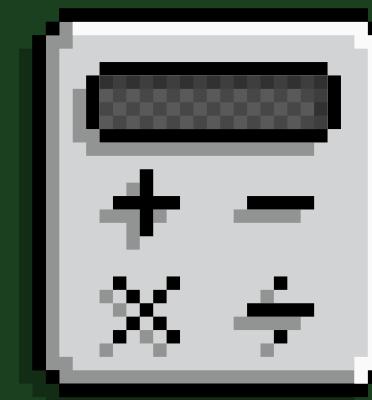
Quality



CO2 Emission



Quality/Price Ratio

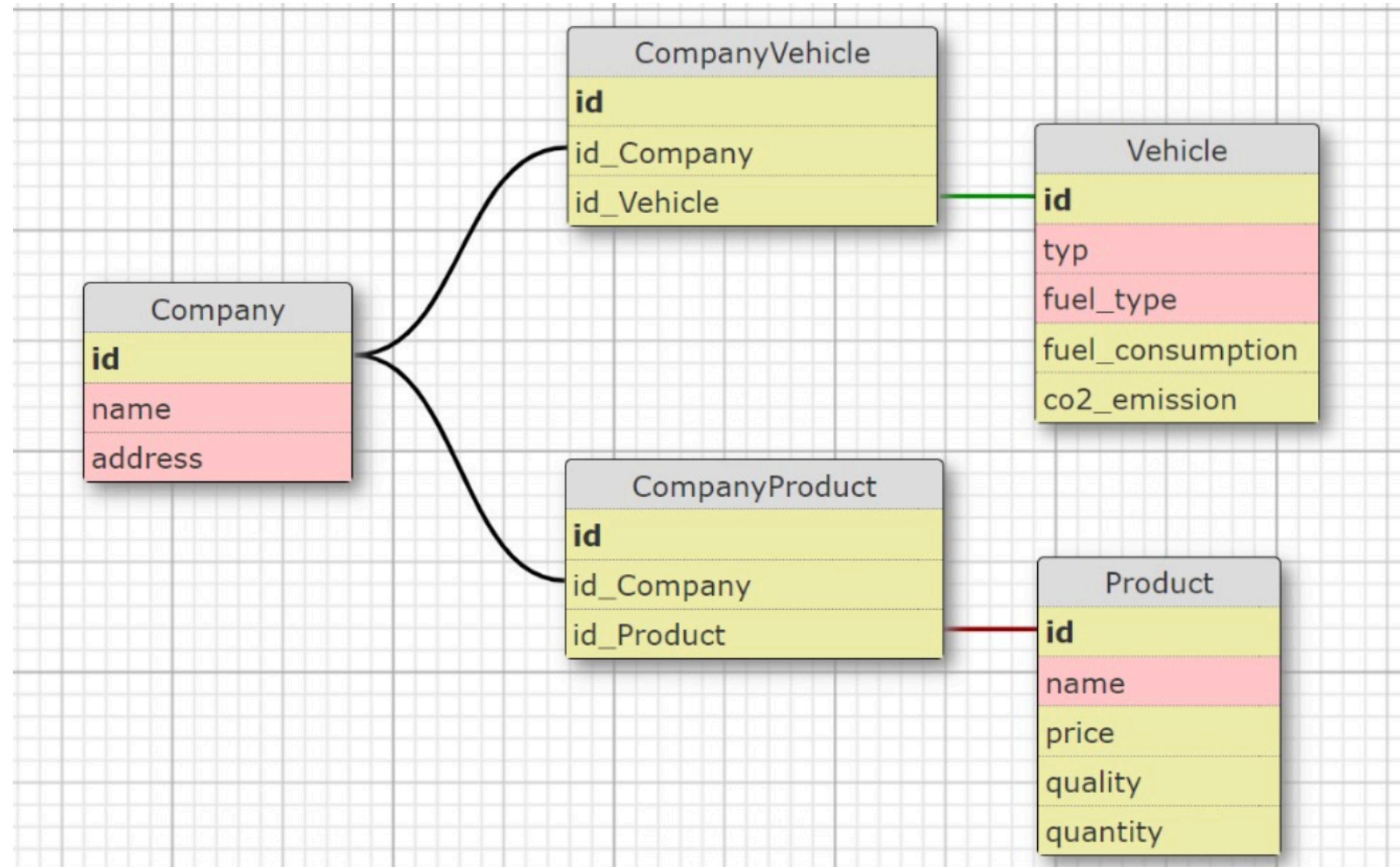


We provide detailed comparisons.

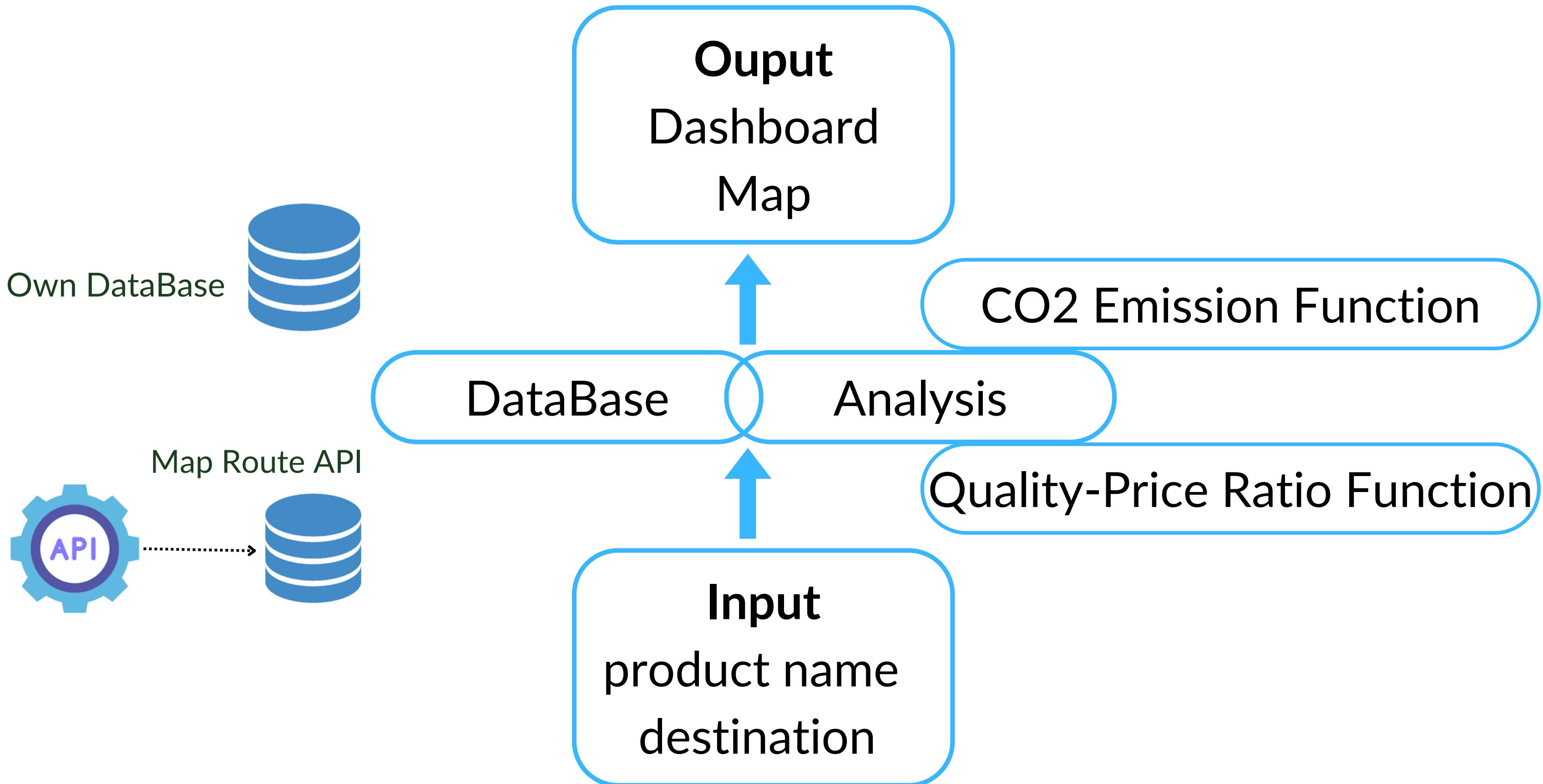
Tech Behind:



Own DataBase
Overview



Tech Behind:



03/
Demo Showcase

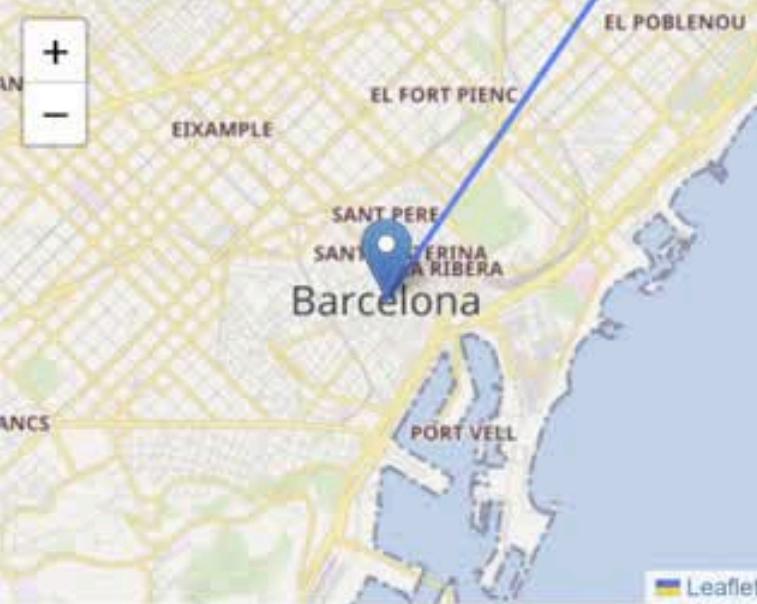
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Sauer Kraut Barcelona

Innovative Tech GmbH

Kaiserstrasse 12, Berlin



A map of Barcelona, Spain, showing the route from Sauer Kraut to Barcelona. The map includes street names like EIXAMPLE, EL FORT PIENC, SANT PERE, SANT GERVASI - RIBERA, and EL POBLENOU. A blue line indicates the path, starting from a location in Berlin (Sauer Kraut) and ending in Barcelona. A zoom control (+/-) is visible in the top-left corner of the map area.

Vehicle Type: Van

Distance to Destination: 1487.04 km

CO2 Emission per kg of Product: 200.0 g

CO2 Emission in Total: 297.41 g

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<https://main-appreciative-parrot-kl.cfapps.us10-001.hana.ondemand.com>

Sustainability Food Order System

Happy to Questions :)

Thanks !

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References

- 1.<https://images.app.goo.gl/4htPMZKTEE6aAFDv6>
- 2.<https://akzente.giz.de/en/cop27-global-co2-emissions-greenhouse-gases>
- 3.https://epub.wupperinst.org/frontdoor/deliver/index/docId/5716/file/5716_Wood.pdf