

# IMPROVING CARBON FOOTPRINT TRACKING TO OPTIMIZE SUSTAINABILITY EFFORTS

A global leading lubricant manufacturer enhanced its analytics to make better decisions

## Challenge:

- The client needed timely capture and reporting of its carbon data and to link it to important KPIs for managing carbon footprint.
- Its processes were heavily manual and lacked efficiency and repeatability at scale, and needed extended auditability.
- The client needed a better method of gathering baseline data for key carbon measures to improve compute, tracking, and optimization of sustainability initiatives.
- It needed to optimize supply chain and logistics in terms of sustainability.

**Industry: Petroleum**

**Location: Global**

**Technology and services:  
Digitization, data exchange,  
analytics, automation**



## Solution:

- Capgemini helped the client improve the computing and tracking of the carbon footprint generated during the production of its different products.
- The solution also enabled optimization of the client's supply chain and transportation processes. It allows users to identify high-emission routes and find alternate paths with lower emissions.
- Capgemini brought its ESG expertise, knowledge, and accelerators to meet requirements across global locations and deliver project and managed services support effectively and at scale.
- Capgemini's Sustainability Data Hub, which includes the Sustainability Data Model, proved to be valuable accelerators for the solution.
- The solution provided a sustainability data model capable of calculating the footprint of each manufactured product or facility, or by process area. It is now able to quickly compute emissions throughout its entire value chain in different process areas.

## Result:

- Capgemini enhanced the accuracy and integrity of the client's carbon data for improved business insights, while providing a traceability feature and audit trail for data used in reporting.
- Provided contemporary visualization for KPI tracking with user-friendly features.
- Enabled the ability to embed and run "what if" carbon modeling simulations to support decision-making.
- Automated data capture and reporting with flexibility for integrating new data sources.
- Improved analytics for optimization of transportation routes and overall emissions tracking to support the enterprise's sustainability objectives.

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