quadrafort

INDUSTRY

Environmental, social, and governance (ESG)

The company is the latest and most comprehensive global emissions calculator, based on the European standard EN16258. Developed over five years with various partners (Industry, ETH, Swiss federal authorities).

The regularly updated data guarantee a realistic calculation. In addition to the calculation of pollutants, there service also enables the preparation of an annual emissions balance as well as the compensation of emissions and their data storage.

Value Creation Modules

Global Shipping Company's Emission Offset
A global shipping company aims to compute and offset its carbon emissions

Eco-friendly Shipping on eCommerce
An eCommerce platform wants to offer climate-friendly shipping.

Emission Analysis for European Rail Company
A rail company seeks detailed CO_2 emissions data

Cold Chain Logistics Provider's Certification
A cold chain logistics provider needs an emissions breakdown, including cargo handling.

Multi-modal Freight Forwarders Green Strategy
A multi-modal freight forwarder wants a holistic view of their emissions.

Personas

- Customer
- Operations Team
- Tech Team

Products & Technologies Used

Microsoft .NET   React   InterSystems Caché   python

Object Script

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CHALLENGES

- Environmental Impact: Companies involved in production, transport, and logistics face challenges in measuring and reducing their carbon footprint due to the complexities of transportation modes.
- Data Reliability and Standardization: There is a need for accurate, standardized data to calculate emissions reliably.
- Accessibility and Real-time Tracking: Businesses require different levels of access to carbon footprint data, from basic offline use to more sophisticated real-time tracking.
- Compensation and Certification: There is a demand for credible certification and effective compensation projects to balance out the impact of emissions.

SOLUTION

- Comprehensive Database and Tool: CarbonCare offers a robust tool with a large database to accurately calculate emissions for various transportation methods.
- Flexible Licensing: Two types of licenses are available: basic for offline use and business for real-time use, including a fleet license for carriers and transport companies.
- Partnership with my climate: Collaboration with the "myclimate" foundation for compensation projects and specialist validation for accuracy and standard adherence.
- Certification Issuance: Annual certification provided to customers, indicating their greenhouse gas emissions.

BENEFITS

- Environmental Responsibility: Assists businesses in reducing their environmental impact and promoting sustainable practices.
- Customized Solutions: Flexible licensing caters to different business needs, from small companies to large carriers.
- Credibility and Compliance: Use of European standards and validation by specialists ensures credibility and compliance with environmental regulations.
- Customer Engagement: By integrating CarbonCare's tools into web shops and cloud platforms, businesses can offer climate protection services to their customers, enhancing customer engagement and corporate social responsibility.