

# Essential Considerations for Selecting a CO<sub>2</sub> Management Software Partner

## Data Depth & Ontology

Vendor:

Total Points:



Buyer  
checklist

### Ontology-Based Data Accuracy & Granularity

- Does the tool use an Ontology-driven model to ensure structured, relational, and contextual carbon data?
- Can the platform customize the underlying master data model?
- Can it track emissions at a granular level (e.g., per supplier, material, or production site)?
- Does it use transactional data from ERP and supply chains rather than estimates or surveys?
- Does it provide real-time updates instead of relying on static, one-time LCAs?

### Automation & Scalability

- Does the system automatically update emissions when suppliers, materials, or regulations change?
- Can it handle complex supply chains without requiring excessive manual data collection?
- Does it integrate with enterprise systems (ERP, SRM, PLM, MES) to eliminate manual bottlenecks?

### Ontology for Regulatory Compliance & Reporting

- Does the tool ensure compliance with regulations like CSRD, EUDR, CBAM?
- Can it automate regulatory reporting to reduce administrative workload?
- Does it provide audit-ready, scientifically validated emissions data?

## Ontology-Driven Decision-Making

- Does the tool use an ontology-based approach to provide a single source of truth rather than fragmented data?
- Can it dynamically adapt emissions calculations as supply chain conditions evolve?
- Does it provide real-time decision-making insights to optimize supplier selection, product design, and emissions strategies?

## Integration & Interoperability

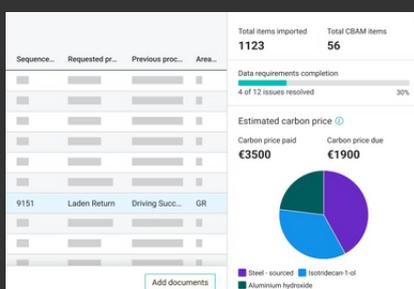
- Does it connect directly with existing business systems (e.g., procurement, logistics, finance)?
- Can it integrate with external emissions reference databases (Ecoinvent, Exiobase, etc.)?
- Does it support automated data ingestion, transformation, and orchestration?

## Business Intelligence & AI-Powered Insights

- Does the tool provide real-time insights for emissions reduction and cost optimization?
- Can it use AI-powered analytics and anomaly detection for better forecasting and strategic decision-making?
- Does it support natural language queries to make sustainability data accessible to non-technical users?

## Sustainability & Continuous Improvement

- Is the emissions model self-improving based on new data and operational changes?
- Can it scale with your company's sustainability goals over time?
- Does it help establish a scientifically validated, consistent carbon data foundation?



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**A single source of truth for carbon management**

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