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Carbon Management Software

Green Quadrant: Enterprise Carbon Management Software (2026)

By Alessandra Leggieri and Isobel McPartlin
With Ryan Skinner

March 2026

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This report provides a detailed, fact-based benchmark of 21 of the most prominent carbon management software providers. Using the proprietary Verdantix Green Quadrant methodology, the analysis draws on structured vendor questionnaires, live demonstration and briefing sessions, customer evidence, and desk research to score vendors across 12 capability and nine momentum categories. Capabilities across the carbon management software market are rapidly converging, with many features becoming table stakes. At the same time, customer requirements are evolving, and AI-enabled capabilities and product-level carbon emissions management are emerging as key differentiators. The Green Quadrant analysis recognizes eight vendors as Leaders: Cority, IBM, Schneider Electric, Sphera, Sweep, UL Solutions, Watershed and Wolters Kluwer.

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Summary for decision-makers

- This report is designed for corporate decision-makers, such as chief sustainability officers (CSOs) and CFOs, responsible for carbon management initiatives at their firms, as well as other stakeholders involved in selecting, implementing and maximizing the value of enterprise carbon management software. It provides clear, evidence-based guidance to help them evaluate and choose best-fit platforms that centralize data collection, streamline data management and calculations, enhance data quality, and ultimately strengthen their organizations' decarbonization strategies.
- Secondary stakeholders – such as strategy, product management, sales engineering and competitive intelligence leaders at software vendors that support carbon management – can use this report to benchmark their platforms, identify capability gaps and align their product roadmaps with emerging carbon management needs.
- This study applies the Verdantix Green Quadrant methodology, combining a 91-point questionnaire on carbon management software capabilities, in-depth demonstration and briefing sessions with each participating vendor, analysis of customer and market evidence, and desk research on product roadmaps and public references. The evaluation covers 21 carbon management software providers and assesses their performance across 12 capability and nine momentum categories.
- The study finds that capabilities across the carbon management software market are rapidly converging, with many features becoming table stakes. At the same time, customer requirements are evolving, and AI-enabled capabilities and product-level carbon emissions management are emerging as key differentiators.

Figure 6

Green Quadrant for enterprise carbon management software 2026

Note: A white plot indicates a non-participating vendor.
Source: Verdantix analysis

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How to use the Green Quadrant for enterprise carbon management software

This Green Quadrant analysis applies to the enterprise carbon management software market, which Verdantix defines as:

> *"Enterprise-scale software that enables firms to collect, calculate, analyse and forecast carbon data across all scopes and business operations."*

This Green Quadrant report assesses and benchmarks 21 leading vendors of enterprise carbon management software. The report will help sustainability and procurement teams select enterprise carbon management software providers based on their needs. The report positions the vendors into four Quadrants: Leaders, Innovators, Specialists and Challengers – each with specific benefits and drawbacks. The report answers the following questions:

- **How are vendors innovating to meet evolving customer needs for carbon management?**
- **What differentiates vendors in this space?**
- **Who are the leading enterprise carbon management software vendors?**
- **What should a buyer look for when selecting a carbon management software provider?**

To answer these questions, Verdantix evaluated 21 vendors using a 91-point questionnaire and live product demonstrations lasting two hours each. We also conducted 38 interviews with buyers of carbon management software. The analysis uses the proprietary Verdantix Green Quadrant methodology, which provides an evidence-based, objective assessment of vendors offering comparable products or services. Additional Verdantix insights on carbon management software can be found in our Smart Innovators report on carbon management software (see Verdantix Smart Innovators: Carbon Management Software).

Carbon management software addresses the need to collect, standardize and analyse emissions data across operations and supply chains

Firms are increasingly adopting commercial software solutions for carbon data management, particularly for Scope 1 and 2 emissions. In the 2025 Verdantix global corporate decarbonization survey, respondents report an increase in market penetration in 2025 compared with 2024, with an average rise of nine percentage points (see Verdantix Global Corporate Survey 2025: Decarbonization Budgets, Priorities And Tech Preferences). Despite a prevailing 'wait-and-see' attitude among decision-makers amid economic and regulatory uncertainty, spending on carbon management software continues to grow. The drivers behind this adoption, however, are evolving. Regulatory compliance has become less dominant, with organizations instead shifting their focus to operationalizing decarbonization across assets and supply chains. Verdantix finds that the leading factors driving carbon management software adoption are:

- **Need for improved emissions data quality.**
  Emissions data are frequently scattered across functions – energy, facilities management, procurement, finance, sustainability and product engineering – with each team relying on different systems, formats and data collection methods. In the 2025 Verdantix global corporate decarbonization survey, improving data quality is both a high-frequency and highly time-consuming challenge for sustainability leaders. As organizations begin to operationalize decarbonization across business units, the impact of poor-quality data is becoming increasingly visible: inaccurate emission baselines, inconsistent calculation methodologies,

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difficulties producing product-level data, and limited auditability for internal decision-making and external reporting. Carbon management software addresses these issues by centralizing data collection, enforcing consistent data quality controls, applying standardized calculation methodologies, and providing full audit trails that enhance accuracy, completeness and traceability.

- **Customer pressure on product-level emissions visibility.**
  Pressure from customers, particularly large original equipment manufacturers (OEMs) and consumer brands, is accelerating demand for granular, product-level emissions data. Customers increasingly expect suppliers to provide verified carbon footprints for individual products and components, as these directly affect their own Scope 3 reporting and product sustainability claims. For example, one buyer in the manufacturing industry highlighted that customers were regularly asking for product carbon footprint (PCF) estimations, which were difficult for the firm to deliver due to a wide and complex product portfolio. This level of visibility requires standardized, auditable data that many suppliers cannot currently produce using manual processes. Carbon management software enables product-level emissions management by automating data collection across materials, processes and energy use. It applies consistent calculation methodologies and generates PCFs that can be shared with customers.

- **Supply chain emissions accountability.**
  In the 2025 Verdantix decarbonization survey, only one in four firms state that they currently use commercial software to collect and manage supply chain emissions data. Collecting these data, however, remains the most frequent and time-consuming challenge in decarbonization efforts (see Verdantix Global Corporate Survey 2025: Decarbonization Budgets, Priorities And Tech Preferences). At the same time, procurement teams are increasingly factoring suppliers' decarbonization performance into purchasing decisions, creating demand for clear, accurate and comparable emissions data. Carbon management software enables direct data collection via supplier portals and supplements gaps with secondary databases or estimates. As Scope 3 emissions constitute the majority of many organizations' carbon footprints, centralizing and standardizing supply chain emissions information through carbon management software not only reduces manual effort, but also empowers firms to engage suppliers effectively and make data-informed sourcing decisions.

- **Integration of decarbonization into business planning.**
  Organizations are embedding carbon management into core operations and strategies to meet internal net zero targets. Over 90% of respondents to the Verdantix decarbonization survey agree that their firm's overall decarbonization strategy is embedded in their business and investment plans. Manual spreadsheets cannot handle the complexity of continuous monitoring, reporting and optimization across multiple sites and assets. To integrate decarbonization into core operations, firms need accurate, real-time carbon data. Carbon management software provides accurate, real-time emissions data, collaboration tools, analytics and scenario modelling. These capabilities enable firms to optimize energy use, production processes and asset management, supporting operational changes that reduce emissions while generating cost savings.

Carbon management software use cases differ by user role

As firms advance in digital maturity, they are adopting carbon management software to support a broader range of climate-related applications. Usage is no longer confined to sustainability teams, with a greater number of departments now accessing carbon data and contributing to organization-wide decarbonization efforts. Verdantix research shows that operational teams review decarbonization data almost as frequently as sustainability teams, while risk and finance departments typically engage with these data at least quarterly (see Verdantix Global Corporate Survey 2025: Decarbonization Budgets, Priorities And Tech Preferences). Use cases vary by function, with:

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- **Sustainability teams concentrating on end-to-end data management and net zero tracking.** Sustainability teams are the most frequent users of carbon management software. For these teams, carbon management software is the backbone for collecting, consolidating and validating carbon data across the organization. They rely on it to align disclosures with various standards and mandated or non-mandated regulations. Beyond compliance, the software facilitates scenario modelling to evaluate net zero pathways – such as renewable energy procurement or efficiency projects – and to measure their impact on corporate climate goals. For example, one customer in the electronic wholesale sector reported using their carbon management software platform in their decarbonization strategy and to conduct scenario analysis and see potential emission reductions from projects.
- **Operational teams focusing on site-level emissions performance and energy efficiency improvements.** Operational teams also use carbon management software regularly, primarily for data entry and performance tracking. Nearly one in three respondents to our 2025 survey state that mid-level managers in operational departments review decarbonization data either daily or weekly. By integrating inputs from sensors, meters and energy management systems, these platforms provide real-time visibility into site-level energy use and GHG emissions. This enables operations teams to benchmark facilities, identify inefficiencies, and prioritize improvement projects such as equipment upgrades or fuel switching. Replacing estimates with measurement-based inventories improves accuracy in tracking emission reductions. The focus is on turning data into actionable insights that cut energy costs, boost efficiency and advance firm-wide climate targets.
- **Finance teams prioritizing investor-grade reporting and carbon-related financial risk analysis.** In the Verdantix decarbonization survey, over 60% of respondents either disagreed or were neutral when asked if finance teams are regular users of climate data management tools. Currently, most finance departments interact with climate data only during quarterly reviews, rather than through continuous, hands-on engagement. However, adoption is growing, as carbon management software increasingly translates emissions data into financial insights that inform planning and investment decisions. Finance teams can leverage these platforms to evaluate returns on decarbonization initiatives, assess exposure to rising carbon costs and integrate emissions into long-term capital allocation.
- **Procurement teams assessing supplier sustainability performance to inform sourcing decisions.** Verdantix finds that insufficient engagement from suppliers is the most significant challenge to improving supply chain sustainability (see Verdantix Global Corporate Survey 2024: Supply Chain Carbon Management Priorities, Budget And Tech Preferences). By collecting and comparing supplier-specific emissions data, procurement teams can identify high-impact categories and conduct hotspot analyses across the supply chain, while also accounting for regulatory cost exposures such as those arising under the EU Carbon Border Adjustment Mechanism (CBAM). Over time, these insights enable procurement to integrate emissions performance into sourcing criteria, ensuring suppliers align with the firm's decarbonization commitments. In this way, procurement evolves from a pure cost-optimization function into a driver of decarbonization, leveraging software insights to reduce risk, manage compliance costs and strengthen supplier partnerships.

Green Quadrant for enterprise carbon management software 2026

Firms increasingly require carbon management software platforms that can collect data from different divisions, apply rigorous data quality controls, and produce transparent, audit-ready emission calculations. Adoption is accelerating as organizations seek to enhance data integrity, meet rising customer expectations for product-level transparency, deepen supplier engagement, and embed decarbonization into financial and operational decision-making. This Green Quadrant study focuses exclusively on the technology and usability of carbon management software, and does not evaluate broader advisory or implementation services. Where services play a material role in a vendor's offering, they are described briefly for context.

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Green Quadrant methodology

The Verdantix Green Quadrant methodology provides buyers of specific products or services with a structured assessment of comparable offerings across vendors at a particular point in time. The methodology supports purchase decisions by identifying potential vendors, structuring relevant purchase criteria through discussions with buyers and providing an evidence-based assessment of the products or services in the market. To ensure objectivity of the study results, the research process is defined by:

- **Transparent inclusion.**
  Verdantix aims to evaluate all relevant providers for inclusion in our research. In cases where vendors decline participation or do not respond, we make every effort to include them using publicly available information – provided that the data are complete and reliable enough to support a credible assessment of the vendor's market positioning.

- **Analysis from the market perspective.**
  This report draws on our previous Green Quadrant on enterprise carbon management software, in which we benchmarked 19 leading vendors (see Verdantix Green Quadrant: Enterprise Carbon Management Software 2023). It incorporates insights from our global corporate survey data and broader carbon management market analysis to inform the definitions of sub-categories and weightings used in this evaluation, ensuring the results reflect real-world adoption trends and evolving buyer priorities. These findings are supported by our recent global corporate survey (see Verdantix Global Corporate Survey 2025: Decarbonization Budgets, Priorities And Tech Preferences).

- **Reliance on professional integrity.**
  Given the impracticality of independently verifying all vendor-provided data, we place a strong emphasis on professional integrity. Claims submitted by software providers are published in this Verdantix report and are open to scrutiny by both competitors and existing customers. To support consistency and accuracy, Verdantix retains past versions of each vendor's Green Quadrant responses and applies comparative reviews and scoring adjustments where appropriate.

- **Scores based on evidence, briefings and customer interviews.**
  To assess software vendors' expertise, resources, performance and strategic direction, we combine evidence from public sources with interviews conducted with multiple vendor representatives and industry experts. When vendors assert that they are 'best in class', we actively request substantiating evidence to validate those claims.

- **Comparison based on relative capabilities.**
  We develop measurement scales that reflect performance across each assessment category, ranging from 'worst in class' to 'best in class' at a specific point in time. A vendor's position in the market is dynamic and can shift as its capabilities and success evolve relative to its competitors. As a result, even with new features, acquisitions or funding, a provider's Green Quadrant placement may remain unchanged, if competitors have also advanced. Verdantix typically revisits each Green Quadrant analysis every one and a half to two years to capture these market shifts over time.

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Evaluated firms and inclusion criteria

Verdantix defines vendor inclusion criteria to ensure that the Green Quadrant analysis only compares firms providing similar services. We believe that all the vendors in this report offer significant value in the carbon management software market. The 21 providers included in this study were selected because they have:

- **A minimum of 70 full-time employees (FTE).**
  This Green Quadrant aims to assess the most prominent vendors of carbon management software. Hence, the study excludes very small software providers and start-ups that have only recently entered the market, and prioritizes software vendors that can provide an enterprise-wide solution. For this reason, only providers with at least 70 employees were eligible for inclusion.

- **At least 50 customers spending over $50,000 in annual licence fees.**
  Verdantix established a customer-count threshold to rule out vendors or solutions that have not yet been deployed at scale, limiting this study to carbon management software solutions already proven on the market. We also applied a licence-fee threshold to ensure that customers were using the solution extensively, at an enterprise scale. This approach ensures that our analysis focuses on vendors with the largest share of the market, capturing those that have demonstrated significant adoption and impact within the industry.

- **An industry-agnostic carbon management software solution.**
  To qualify for this study, we required carbon management software vendors to demonstrate a cross-industry focus, ensuring their solutions could be applied broadly across different sectors. This approach was intended to support a wider range of buyers with diverse operational needs. However, we also took into consideration industry-specific capabilities where relevant, recognizing that certain sectors may require tailored functionality to address unique carbon management challenges.

Based on the inclusion criteria outlined above, this report provides an in-depth evaluation of enterprise carbon management software from 21 vendors: Benchmark Gensuite, carbmee, Cority, Gravity, Greenly, IBM, Normative, osapiens, Persefoni, Position Green, Quentic (an AMCS company), Salesforce, SAP, Schneider Electric, Sphera, Sweep, Tango, UL Solutions, Watershed, Wolters Kluwer and Workiva (see **Figure 1**). With the exception of Salesforce, all vendors completed a detailed 91-point questionnaire, permitted customer interviews and participated in a two-hour product demonstration. Salesforce was invited to participate but did not actively engage in the process, and was instead assessed on existing and publicly available information gathered by Verdantix.

Evaluation criteria for enterprise carbon management software vendors

Verdantix defined the evaluation criteria for this Green Quadrant through a combination of corporate survey data, interviews with end-users of the software and internal expertise. In full, this Green Quadrant analysis compared offerings from 21 software firms using a 91-point questionnaire covering 12 capability and nine market momentum categories. Individual metrics are classified as follows:

- **Capabilities metrics.**
  The capabilities dimension, plotted on the vertical (Y) axis of the Green Quadrant graphic, measures each software vendor on the breadth and depth of its service approach, differentiators against other software providers and its proven experience in each area. Verdantix collected data on 12 distinct technical and functional capabilities: data acquisition; data management; data quality control; AI-first database; AI operations; value chain emissions management; carbon calculation standards and methodologies; carbon emissions calculation engine; carbon financial management; net zero strategy development; net zero programme management; and organizational structure (see **Figure 2**). The Verdantix Green Quadrant considers the evolution of the market and customer requirements to ensure that the weighting of all high-level categories mirrors the importance of the software components to users globally.

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- **Momentum metrics.**
  The momentum dimension of the analysis, plotted on the horizonal (X) axis of the Green Quadrant, measures each vendor on a range of strategic success factors. In total, we assessed nine categories: market vision and business strategy; product strategy; innovation process; organizational resources and growth; financial resources; revenue growth; customers; brand preference; and partnerships (see **Figure 3**).

We scored all sub-criteria between the values of zero (no or sub-par capability) and three (market-leading capability). Each sub-criterion has a percentage weighting that dictates its contribution to the overall capability or momentum score. The combination of high-level criteria scores in the capabilities and momentum sections generated the Green Quadrant graphic and rankings. **Figure 2** and **Figure 3** provide details of the study criteria. **Figure 4** and **Figure 5** provide a breakdown of the scoring for all participants in each category, including the scoring criteria framework. **Figure 6** shows the Green Quadrant graphic, summarizing the positioning of all enterprise carbon management software vendors in this benchmark study.

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Figure 1

Suppliers and solutions assessed

Vendor	Product solution(s)
Benchmark Gensuite	Sustainability Reporting Software
carbmee	carbmee EIS
Cority	Sustainability Performance Management; Supply Chain Sustainability; Air Emissions Management
Gravity	Gravity
Greenly	Greenly platform
IBM	IBM Envizi ESG Suite
Normative	Normative platform
osapiens	osapiens HUB
Persefoni	Persefoni platform
Position Green	Position Green platform
Quentic (an AMCS company)	Quentic ESG Solution
Salesforce	Agentforce Net Zero
SAP	SAP Sustainability Control Tower (SCT); SAP Sustainability Footprint Management (SFM); SAP Sustainability Data Exchange (SDX); SAP Green Ledger (GrL); SAP Environment, Health and Safety-Environment Management (EHS-EM)
Schneider Electric	Resource Advisor+
Sphera	SpheraCloud Integrated Sustainability platform
Sweep	Sweep platform
Tango	Tango Energy & Sustainability
UL Solutions	ULTRUS
Watershed	Watershed platform
Wolters Kluwer	Enablon; CCH Tagetik
Workiva	Workiva Carbon

Sources: Verdantix analysis and vendor questionnaires

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Figure 2

Capabilities criteria for enterprise carbon management software

Capabilities	Questions
Data acquisition (15%)	What functionality is available to facilitate data acquisition for Scope 1 emissions? What functionality is available to facilitate data acquisition for Scope 2 emissions? What functionality is available to facilitate data acquisition for Scope 3 emissions and product emissions data? What industry-specific functionality do you have for data acquisition and architecture?
Data management (15%)	What data privacy and security credentials and controls do you have? Does your software enable customers to provide differentiated functionality and access to different user groups? Are external groups natively supported? What capabilities does the software provide to automate recurring data workflows? What tools does the software have to configure task assignment and collaboration workflows and escalation pathways? What functionality is available to aggregate, sort and filter Scope 1, 2 and 3 data?
Data quality control (12%)	How does your software facilitate identification of missing and anomalous input data? How does the software enable estimation where primary data are not available? What tools does the software have to ensure auditability of records? How does the software enable auditors to test data sources and calculations? What industry-specific functionality do you have for data quality control?
AI-first database (2%)	What capabilities does your software have to curate the data it manages to feed or support AI models, tools or knowledge bases? What capabilities does your software have to create either graph databases or knowledge graphs? To what extent have you incorporated in your software or platform the ability for third-party AI agents or LLMs to interact with your database?
AI operations (1%)	What capabilities does your software have to create and roll out ML applications? What capabilities does your software have to roll out AI/agentic applications?
Value chain emissions management (15%)	What functionality is provided to engage and educate suppliers to reduce carbon intensity and support decarbonization goals? What functionality is available to identify emission hotspots in supply chain and product life cycles? How does the software facilitate product carbon footprinting and management? What capabilities do you offer for financed emissions management? What industry-specific functionality do you have for value chain emissions management?
Carbon calculation standards and methodologies (5%)	What GHG accounting standards and frameworks does your calculation engine support? How does your software align with recognized PCF frameworks, and what tools are available to ensure compatibility with these standards? What financed emission methodologies and standards does your software support? Has the calculation engine been verified or validated by third parties? If so, by whom and against which standard? How does the software support emissions allocation across multiple products, business units or geographies? What industry-specific functionality do you have for carbon calculation standards and methodologies?

Figure 2 (continued) ↓

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Figure 2 (continued)

Carbon emissions calculation engine (10%)	How are emission factors sourced, stored, version-controlled and kept up to date, and how are users notified of changes? How does the software handle activity data in multiple units and perform unit conversions or apply calculation formulas? How many emission factors are included out of the box? How many and which GHG, geographical regions and industries are covered in your emission factor library? How does the software create and update emissions calculations, including adapting to new methodologies, adding new emission factors or changing calculation rules? What industry-specific functionality do you have for carbon emission calculations?
Carbon financial management (5%)	How does the software support applying an internal carbon price and allocating carbon costs across divisions, business units or projects, and how does this integrate with finance/IT systems? What functionality is available to analyse financial impacts of carbon performance? How does the software assess financial exposure to upstream and downstream transition risks? Provide one named customer case study for the deployment of carbon financial management capability.
Net zero strategy development (5%)	How does the software support carbon emissions forecasting at an operational (Scope 1 and 2), supply chain and product level? How does the software create and track CO_2 reduction pathways? How does the software enable users to set short- and long-term carbon reduction targets, objectives and KPIs at the corporate, divisional and facility level? How does the software store baseline data and enable updates subsequent to disposals and acquisitions? What tools does the software provide to undertake external benchmarking? What tools does the software provide to undertake internal benchmarking? What industry-specific functionality do you have for net zero strategy development? Provide one named customer case study for the deployment of the net zero strategy development capability.
Net zero programme management (10%)	What net zero performance metrics are available to analyse decarbonization progress? What capabilities are available to create, link and monitor decarbonization projects and to track their implementation and contribution to overall targets? How does the software help identify carbon abatement opportunities across all scopes? How does the software store, share and utilize best practices content? How does your software support short-term operational decision-making and evaluate trade-offs? What industry-specific functionality do you have for net zero programme management? Provide one named customer case study for the deployment of the net zero programme management capability.
Organizational structure (5%)	How does the software store data on part-owned subsidiaries and joint ventures? How does the software facilitate organizational changes such as acquisitions, divestments and reorganizations? How are operating assets such as vehicles, plants and buildings stored in the system? How is information on CO_2 emissions associated with reporting entities in different jurisdictions?

Figures in brackets represent the weighting given to each criterion in the flexible multi-criteria model that generates the Green Quadrant graphical analysis.

Source: Verdantix analysis

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Figure 3

Momentum criteria for enterprise carbon management software

Criteria	Questions
Market vision and business strategy (15%)	What is your vision for how the carbon management software market will evolve over the coming 2-3 years, and your vision for your firm in that evolution? How do you intend to achieve the vision? What is your firm's strategy to meet the needs of your target customers over the next 2-3 years? How have you invested or made decisions to respond to this vision? What analysis and studies have you completed to assess this vision? In what specific ways are you adapting your vision and strategy based on the ongoing development of AI-based capabilities?
Product strategy (15%)	What is your firm's product strategy for the next 2-5 years? How are you identifying in-demand new product features to build? What is on your 12-month product roadmap? How are you incorporating AI capabilities into your product? What AI-enabled features have you added in the last 12 months? How many FTEs with formal AI capabilities worked on your carbon management software in the last calendar year?
Innovation process (10%)	What is your firm's strategy when it comes to R&D investment allocations to support long-term viability and maintain competitive advantage(s)? What is your firm's innovation framework and strategy? How frequently do you update the product?
Organizational resources and growth (15%)	How many employees work on carbon management software? How many employees (in FTEs) worked on carbon management software 12 months ago? What has the change in employees been? In how many/which countries does your firm have a permanent office?
Financial resources (15%)	What were your firm's annual revenues for your most recent reporting year? What were your firm's revenues from carbon management software for your most recent reporting year? What percentage of your carbon management software revenue was ARR in that period?
Revenue growth (5%)	By how much did your firm's total revenues increase or decrease in the most recent reporting year compared with the year prior?
Customers (12%)	How many of your customers/accounts (not individual users) are using your firm's carbon management software solutions? How many customers/logos have you added over the past 12 months? What percentage of the new customer wins were organic? Who are the key buyer personas/stakeholders you target? How does your go-to-market messaging vary with different stakeholders?
Brand preference (7%)	Based on Verdantix survey data and LinkedIn followers.
Partnerships (6%)	How many formalized partnerships have you made over the past 2 years that contribute directly to your carbon management software? Please outline any other relevant partnerships that generate value for your clients.
Figures in brackets represent the weighting given to each criterion in the flexible multi-criteria model that generates the Green Quadrant graphical analysis.	

Source: Verdantix analysis

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Figure 4

Vendor category scores: capabilities

	Benchmark Gensuite	carbmee	Cority	Gravity	Greenly	IBM	Normative	osapiens	Persefoni	Position Green	Quentic (an AMCS company)	Salesforce	SAP	Schneider Electric	Sphera	Sweep	Tango	UL Solutions	Watershed	Wolters Kluwer	Workiva
Data acquisition	2.0	1.3	2.3	2.3	1.7	2.0	1.3	1.3	1.7	1.3	1.7	1.0	1.3	2.0	2.3	2.0	1.7	2.0	2.3	1.7	1.3
Data management	2.1	1.6	2.4	2.0	1.6	2.5	1.8	1.5	1.6	1.1	2.0	1.7	1.4	1.8	2.3	2.4	1.3	2.3	2.0	2.2	1.7
Data quality control	2.7	1.0	1.7	2.0	1.7	2.7	0.7	1.0	2.0	1.0	1.3	1.3	1.0	2.7	1.7	2.0	1.3	1.3	2.3	2.0	1.3
AI-first database	1.4	2.0	0.8	1.2	0.6	1.4	1.6	0.8	0.8	1.0	1.8	0.8	1.0	2.2	1.2	1.6	0.2	1.2	1.6	1.6	1.0
AI operations	1.0	1.0	1.0	1.0	0.5	0.5	1.0	1.0	0.5	1.0	1.0	1.0	1.5	2.5	1.0	1.5	0.5	2.0	1.5	1.0	1.0
Value chain emissions management	1.3	2.3	1.6	2.3	1.7	1.1	1.7	0.9	1.6	1.2	0.6	0.6	1.7	1.0	2.6	2.7	0.3	1.6	2.4	0.6	0.6
Carbon calculation standards and methodologies	0.8	1.8	1.4	2.0	1.8	1.4	1.9	1.1	1.3	0.7	0.8	0.2	1.1	1.0	2.1	1.9	0.4	1.1	2.3	1.2	1.0
Carbon emissions calculation engine	1.4	1.3	2.3	1.8	1.8	1.7	1.7	1.4	1.9	1.0	1.7	1.3	1.4	1.7	2.5	2.1	1.0	1.7	2.6	1.7	1.4
Carbon financial management	1.9	1.6	1.9	1.9	1.0	1.4	0.9	0.5	1.5	0.5	0.5	0.5	2.7	2.0	1.9	2.4	0.9	1.5	1.5	1.1	0.9
Net zero strategy development	1.8	1.4	2.0	2.0	1.6	2.1	1.1	0.7	0.9	1.0	1.0	0.8	0.9	1.7	1.7	2.2	1.2	1.4	2.2	1.6	1.2
Net zero programme management	2.3	1.4	1.7	2.6	1.6	1.3	1.4	1.1	1.7	2.1	1.0	1.0	0.7	1.7	1.7	2.0	0.7	1.1	2.4	1.6	1.4
Organizational structure	1.7	0.6	2.6	2.1	1.7	1.9	0.9	1.0	1.0	0.4	1.3	0.9	0.7	2.0	2.0	2.6	1.3	2.0	2.0	1.7	2.0

Scoring framework	
Evidence of market-leading functionality or positioning	3
Evidence of strong, above-par functionality or positioning	2
Evidence of on-par functionality or positioning	1
Lack of evidence, or evidence of sub-par or a lack of functionality or positioning	0

Verdantix research teams determine all scores at a sub-criteria level using this scoring framework. These scores are then weighted and compiled into derived scores at criteria level, and presented in the tables. Note a '0' score in criteria such as financial resources, revenue growth or customers does not represent the absence of these, but rather that the vendor was assessed to be below the cohort average.

Source: Verdantix analysis

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Figure 5

Vendor category scores: momentum

	Benchmark Gensuite	carbmee	Cority	Gravity	Greenly	IBM	Normative	oscapiens	Persefoni	Position Green	Quentic (an AMCS company)	Salesforce	SAP	Schneider Electric	Sphera	Sweep	Tango	UL Solutions	Watershed	Wolters Kluwer	Workiva
Market vision and business strategy	2.0	1.6	2.2	2.0	1.4	1.8	1.2	1.4	1.6	1.6	1.4	0.6	2.0	2.4	1.8	2.2	0.8	2.4	2.2	1.6	1.4
Product strategy	2.0	1.7	1.7	2.3	1.0	1.7	1.7	1.7	1.0	1.3	1.0	1.0	2.4	2.0	1.7	2.0	1.0	1.7	2.3	1.7	1.3
Innovation process	1.4	1.6	1.4	2.2	1.6	1.8	1.6	1.4	1.4	1.4	1.4	0.4	1.2	1.2	2.2	1.6	0.8	2.0	2.0	1.8	1.4
Organizational resources and growth	0.4	0.3	1.0	0.6	1.5	1.5	0.6	1.5	0.6	1.2	1.6	1.5	0.8	1.8	2.2	1.2	0.6	1.7	2.1	2.4	1.0
Financial resources	2.0	0.0	2.0	1.0	0.8	2.2	0.8	1.2	1.8	0.2	1.2	0.6	1.4	2.2	2.8	1.8	1.0	2.0	2.6	2.8	0.4
Revenue growth	1.0	0.0	1.0	1.0	0.0	2.0	0.0	1.0	0.0	1.0	1.0	3.0	3.0	3.0	1.0	1.0	0.0	2.0	1.0	2.0	2.0
Customers	0.0	0.0	1.5	1.0	2.5	1.0	1.0	2.5	1.5	1.0	1.0	0.5	0.5	1.5	2.5	1.5	0.0	0.0	2.0	0.5	0.5
Brand preference	1.0	0.2	1.2	0.0	0.8	3.0	0.8	0.8	1.2	1.0	1.0	3.0	3.0	2.8	2.2	1.0	0.8	1.8	1.2	1.8	2.0
Partnerships	2.0	1.2	2.0	2.6	1.0	2.2	1.8	1.0	1.8	1.0	1.8	2.0	2.8	1.8	1.2	2.0	1.2	1.8	2.6	2.8	1.2

Scoring framework	
Evidence of market-leading functionality or positioning	3
Evidence of strong, above-par functionality or positioning	2
Evidence of on-par functionality or positioning	1
Lack of evidence, or evidence of sub-par or a lack of functionality or positioning	0

Verdantix research teams determine all scores at a sub-criteria level using this scoring framework. These scores are then weighted and compiled into derived scores at criteria level, and presented in the tables. Note a '0' score in criteria such as financial resources, revenue growth or customers does not represent the absence of these, but rather that the vendor was assessed to be below the cohort average.

Source: Verdantix analysis

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Figure 6

Green Quadrant for enterprise carbon management software 2026

Capabilities

This dimension measures each provider on the breadth and depth of its carbon management software solutions across 12 capability areas, as outlined in **Figure 2**.

Momentum

This dimension measures each provider on nine strategic success factors, as outlined in **Figure 3**.

Note: A white plot indicates a non-participating vendor.
Source: Verdantix analysis

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Benchmark Gensuite overview

Information

Benchmark Gensuite was founded in 1997, with the goal to support business compliance and management processes. Since then, the firm has expanded its offerings to encompass EHS, risk, quality, sustainability reporting and product stewardship. In April 2023, Benchmark Gensuite received external funding in the form of a minority growth investment from Vista Equity Partners. Its carbon management solutions are delivered through a suite of modular applications, which can be deployed individually or in combination.

Vendor info

Firm name	Benchmark Gensuite
Headquarters	Mason, OH, US
Employees	600
Revenues	Undisclosed
No. of offices	6
Example customers	Eaton Corporation, Refresco, Tropicana

Customer regional presence

Asia	◑
Oceania	◔
Europe	◑
Middle East and Africa	◔
Latin America and the Caribbean	◔
North America	●

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing **Healthcare** **Construction**

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Benchmark Gensuite leverages AI to automate carbon data workflows and enhance audit readiness

The Green Quadrant analysis finds that Benchmark Gensuite has:

- **Market-leading AI-powered carbon data collection and quality control.**
  Benchmark Gensuite's carbon management solution is underpinned by its Data Xchange Portal, a centralized hub to ingest, transform and load activity data from a wide range of third-party systems, enabling carbon data workflow automation. In addition, the firm has recently developed AI-powered optical character recognition (OCR) scanning that extracts data from invoices or statements and automatically populates it into the platform. Benchmark Gensuite has recently introduced an AI agent, Genny AI virtual assistant, that performs an AI-enabled 'pre-audit' to analyse sustainability data for potential gaps or inconsistencies, so that users can address data quality issues prior to audit.

- **Limited out-of-the box capabilities to support PCAF and PCF methodologies.**
  Though Benchmark Gensuite enables emissions allocation at the product level, it does not offer built-in support for widely used product carbon footprint (PCF) methodologies and frameworks, such as ISO 14067, and is not compliant with the Partnership for Carbon Transparency (PACT). For financed emissions, firms can only perform calculations aligned with the Partnership for Carbon Accounting Financials (PCAF) through custom configurations, rather than out-of-the-box functionality. Moreover, compared with other vendors, Benchmark Gensuite allocates fewer organizational resources specifically to carbon management.

- **A strong platform to reconcile operational and corporate carbon data.**
  Benchmark Gensuite enables organizations, especially manufacturing firms, to align operational and corporate emissions data while supporting efficiency initiatives. Its Sustainability Prospector tool digitizes workflows for energy treasure hunts and kaizen events, allowing users to model and compare scenarios such as equipment upgrades or process changes to identify the most cost-effective solutions. For long-term planning, Benchmark Gensuite offers scenario analysis reports to evaluate multiple emission reduction pathways, and marginal abatement cost curve (MACC) reports to rank projects by impact and cost-effectiveness. These capabilities help organizations prioritize actions, optimize investments, and build strategies that connect granular operational insights with corporate-level decarbonization goals.

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carbmee overview

Information

carbmee is a Berlin-based carbon management start-up founded in 2021. It sells both product- and enterprise-level carbon accounting tools, with features for use cases such as product carbon footprinting, corporate carbon footprinting, supplier engagement, disclosures, modelling and pricing intelligence. In December 2024, carbmee attracted €20 million ($21 million) in funding to scale its platform globally and enhance its product capabilities, particularly around granular lifecycle assessment (LCA) data, and EU regulatory compliance, such as the EU Deforestation Regulation (EUDR) and Carbon Border Adjustment Mechanism (CBAM). carbmee is increasingly expanding its focus upstream, moving from its core base of large German manufacturing clients to broader supplier cohorts in East Asia.

Vendor info

Firm name	carbmee
Headquarters	Berlin, Germany
Employees	74
Revenues	Undisclosed
No. of offices	3
Example customers	Everllence, Maersk, Signify

Customer regional presence

Asia	◔
Oceania	○
Europe	●
Middle East and Africa	○
Latin America and the Caribbean	○
North America	◑

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Wholesale and retail trade

Agriculture

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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carbmee enables manufacturing firms to automate supply chain carbon data and optimize product footprints

The Green Quadrant analysis finds that carbmee offers:

- **Advanced supply chain and product emission management capabilities.**
  carbmee excels in Scope 3 emissions management, supporting suppliers with practical guidance, templates and integrated calculation tools. To reduce supplier workload, the platform pre-calculates emissions for confirmation or correction and automates product carbon footprinting data collection and exchange through integrations with Catena-X, an open data sharing network for the automotive supply chain. Its transactional data model allocates upstream and inventory emissions to individual products, ensuring traceability at the stock-keeping unit (SKU) level. Emission factors are automatically matched to materials and components for cradle-to-gate and full lifecycle calculations. Within carbmee Studio, AI-driven visualization enables hotspot analysis and scenario comparisons for continuous optimization. The platform is compliant with the Partnership for Carbon Transparency (PACT), and aligns with Catena-X, as well as the ISO 14064 standard, for GHG emissions reporting at the project and organization level.

- **Limited Scope 1 and 2 data collection, and data quality control through partnerships.**
  Despite strong Scope 3 capabilities and its use of AI for emissions factor matching, carbmee offers only basic – primarily manual – methods for Scope 1 and 2 data import, with no utility bill integration. Moreover, carbmee uses Ingestro, a third-party tool for automated data validation, normalization, AI-based matching, data cleaning, estimation of missing values and statistical outlier detection – capabilities that are not native to the carbmee platform. carbmee's organizational management functionality lags many of the best-in-class players in carbon management software.

- **A platform well-suited to firms seeking to manage Scope 3 and product-level carbon emissions.**
  carbmee is particularly suited to manufacturers seeking to calculate, manage and model product emissions while aggregating results at the corporate level. Its carbon emissions calculation engine supports Scopes 1, 2 and 3, ensuring consistency across reporting layers. The platform has a dedicated CBAM and supply chain engagement module, as well as expert services. carbmee automates primary supplier data collection and calculates embedded carbon emissions using standardized EU methods aligned with CBAM requirements.

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Cority overview

Information

Founded in 1985 as Medgate, an occupational health and industrial hygiene specialist, the organization rebranded to Cority in 2017. In the years since, it has released its CorityOne Software as a Service (SaaS) platform, delivering solutions across EHS, quality, sustainability and carbon management. Cority received majority investment from Thoma Bravo in 2019, resulting in significant expansion through acquisitions such as WeSustain in April 2021, and Greenstone in May 2023. Cority's carbon management offering consists of three interrelated solutions: Sustainability Performance Management; Supply Chain Sustainability; and Air Emissions Management.

Vendor info

Firm name	Cority
Headquarters	Toronto, Canada
Employees	720
Revenues	~$200m
No. of offices	6
Example customers	Chevron, Fujitsu, Hill & Smith

Customer regional presence

Asia	◔
Oceania	◔
Europe	●
Middle East and Africa	◔
Latin America and the Caribbean	◔
North America	◕

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Finance

Manufacturing

Business services

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Cority provides a flexible, secure platform for carbon data management and emissions calculation, designed to support complex organizational structures

The Green Quadrant analysis finds that Cority provides:

- **Strong carbon data management and emission calculation capabilities, with robust security.**
  The CorityOne platform is designed with robust and configurable security controls. Administrators can set granular permissions by role, location or organizational unit, controlling access at the module, field, record and row level. Role-based permissions ensure users only act on relevant tasks, such as approving emission reports or completing supplier questionnaires. Functional and site security further restrict visibility and actions. The vendor has developed specific workflow design tools that enable dynamic, multi-step processes with conditional routing, automated triggers and visual diagrams for streamlined operations. Cority also offers a library of over one million time-stamped emission factors and industry-specific solutions such as Methane Emissions Reduction Management (MERM), providing real-time monitoring and automated calculations for flaring, venting and fugitive emissions in oil and gas operations.

- **Basic AI capabilities, but has new agentic foundations for investment in 2026.**
  Cority's AI capabilities lag its competitors, with no AI-driven anomaly detection or automated decarbonization recommendations. The firm has, however, laid the foundation for increased AI integration with the launch of Cortex AI in December 2025. Cortex AI brings agent types such as voice-to-text, image interpretation and document analysis to the CorityOne platform. Its Sustainability Invoice Scanning Agent enables AI-automated data extraction from utility invoices to support carbon management emission calculations.

- **A platform well-suited to firms with complex operations.**
  Cority is ideal for organizations with complex operations, due to its ability to create a digital twin of the enterprise. Users can model organizational structures, assigning units (such as subsidiaries, sites and buildings) to legal parents and supporting multiple hierarchies for jurisdiction-specific reporting. Structures can be rearranged flexibly to include or exclude data down to the source level. Large multinationals can benefit from this adaptability during acquisitions and divestments. Cority also enables precise storage and recalculation of baseline emissions data, ensuring consistency across reporting cycles. Historical baselines can be adjusted to reflect structural changes, while maintaining auditable records.

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Gravity overview

Information

Founded in 2022 in San Francisco, Gravity is a carbon and energy management platform with customers largely concentrated in industrial manufacturing, construction and finance. Its modules cover corporate and product carbon footprinting, energy management, sustainability reporting and financed emissions. In January 2025, the firm raised $13 million in a Series A funding round to further develop its carbon management solution, identify energy efficiency initiatives, broaden its network of decarbonization and financing partners, and grow its US and EU footprint. In August 2025, Gravity launched an Energy Management Marketplace that identifies and connects customers to energy efficiency, electrification, demand response, storage and on-site generation projects, based on their carbon and energy data.

Vendor info

Firm name	Gravity
Headquarters	San Francisco, CA, US
Employees	78
Revenues	Undisclosed
No. of offices	3
Example customers	Adyen, McCarthy Building Companies, TTI

Customer regional presence

Asia	◔
Oceania	◔
Europe	◑
Middle East and Africa	◔
Latin America and the Caribbean	◔
North America	●

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Finance

Construction

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Gravity's integrated platform for carbon and energy management combines AI capabilities and strategic partnerships to drive operational efficiency

The Green Quadrant analysis finds that Gravity has:

- **Dedicated AI-powered capabilities for data acquisition, quality enhancement and programme management.** Gravity's platform leverages AI to automate emissions data extraction from utility bills and fuel invoices, map spreadsheet data to calculation schemas, and integrate inputs via application programming interfaces (APIs) or email. It flags gaps, anomalies and quality issues through alerts, and offers guided options to address them. AI agents infer site-level emission sources and crawl public data, such as sustainability reports, to improve Scope 3 accuracy and reduce reliance on industry averages. AI inference models automatically assign emission factors to transactions. Supplier engagement tools help identify decarbonization opportunities and generate supplier-specific Scope 3 methodologies. Gravity also uses AI to analyse decarbonization targets, energy audits and reduction documentations, and then combines its conclusions with existing footprint data to recommend tailored decarbonization projects.
- **Carbon pricing and transition risk tools that require customization.** Though Gravity provides solid capabilities for carbon performance tracking and savings analysis, its internal carbon pricing features and its assessment of financial exposure to upstream and downstream transition risks both require customization. Furthermore, Gravity is a relatively new organization, and despite growing its workforce by 85% in 2025 and raising $20 million to date, it still has lower brand recognition compared with established competitors, as well as a customer base primarily in the US.
- **An integrated energy and carbon management platform, with a focus on decarbonization measures.** Gravity allows organizations to pursue integrated energy and carbon management, including Scope 2 emission reduction measures. Its partnership strategy connects customers with large energy service providers for HVAC efficiency, battery storage and fleet electrification. These partners collaborate with the firm's energy management team to identify cost-saving project opportunities directly in the Gravity platform and implement qualified projects. Gravity also offers recommended vendors and financing options tailored to customer locations.

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Greenly overview

Information

Founded in 2019, Greenly is a France-based sustainability platform providing carbon management, lifecycle assessment (LCA) and ESG framework reporting use cases. The firm originally gained traction among small and medium-sized enterprises (SMEs), before expanding to mid-market and enterprise clients across sectors such as finance, technology, consulting and manufacturing. Greenly has raised a total of $79 million across multiple funding rounds, most recently securing a $52 million Series B in March 2024 to accelerate its global expansion. In October 2025, it announced the launch of EcoPilot, an AI-powered copilot designed to support multiple carbon management use cases.

Vendor info

Firm name	Greenly
Headquarters	Paris, France
Employees	220
Revenues	Undisclosed
No. of offices	3
Example customers	48forty, PerkinElmer, Walden Group

Customer regional presence

Asia	◔
Oceania	◔
Europe	●
Middle East and Africa	◔
Latin America and the Caribbean	◔
North America	◑

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Technology, media and telecommunications

Business services

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Greenly offers user-friendly tools for carbon accounting and product lifecycle assessments (LCAs)

The Green Quadrant analysis finds that Greenly offers:

- **Strong product-level emission allocation and LCA tools.**
  Greenly enables precise product-level emission allocation and LCAs across products, business units and geographies. Users can map bill of materials (BOMs) and processes to stock-keeping units (SKUs), allocate shared utilities by metered areas or production volumes, and compute transport emissions per product or order line. Greenly's LCA tool calculates product carbon footprints (PCFs) aligned with ISO 14067 and GHG Protocol standards. The tool can ingest enterprise resource planning (ERP) data and supplier inputs, and leverages a 350,000-plus emission factor library with automated emission factor matching and AI categorization. Unified dashboards provide product-level analytics, lifecycle stage breakdowns and scenario modelling to identify high-impact reduction opportunities and optimize design decisions.

- **Table stakes for Scope 1 data management and carbon financial management.**
  Like many vendors in this assessment, Greenly has an application programming interface (API) tool to upload or export data, but has limited experience with direct integrations for sensor data such as supervisory control and data acquisition (SCADA), interval-based data or process historians. Greenly users will not be able to associate specific assets with their Scope 1 emissions directly, limiting asset-level decarbonization planning. Moreover, as the firm's platform does not host operational data, users cannot easily model the knock-on effects of changes in carbon reduction strategy in finance or operations.

- **Streamlined and user-friendly carbon accounting for small sustainability teams.**
  Greenly is most experienced in serving SMEs seeking a user-friendly and cost-effective solution for carbon management, but has steadily added large enterprise clients. The platform supports Scope 1, 2 and 3 calculations, and leverages automated data quality control and emission factor matching to simplify accounting without requiring large or highly experienced sustainability teams. Greenly enables quick PCF calculations using templates aligned with major standards. Its modular architecture makes it suitable for organizations seeking a robust carbon emissions calculation engine without the complexity of enterprise-grade systems.

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IBM overview

Information

Global technology firm IBM has a long heritage in enterprise software and analytics, with products, consulting and AI services across a large range of industries. In 2022, IBM acquired Australia-based software provider Envizi to enhance its carbon accounting, energy analytics and sustainability reporting offerings. IBM complements Envizi's carbon management capabilities with advanced performance monitoring and modelling through its Planning Analytics solution. Beyond its partnerships with service providers and resellers such as EY and JLL, IBM further expanded its AI strategy in October 2025, announcing a partnership with Anthropic that will integrate Claude into select IBM software products.

Vendor info

Firm name	IBM
Headquarters	Armonk, NY, USA
Employees	282,000
Revenues	$62.8bn
No. of offices	170 countries
Example customers	Celestica, Downer, Ikano

Customer regional presence

Asia	◔
Oceania	◕
Europe	◑
Middle East and Africa	◔
Latin America and the Caribbean	○
North America	◕

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Business services

Real estate

Technology, media and telecommunications

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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IBM supports scalable carbon management with automated workflows and advanced data health tools

The Green Quadrant analysis finds that IBM provides:

- **Market-leading carbon data analysis and estimation capabilities.**
  Envizi combines automated reporting, AI-driven analytics and proactive alerts to identify missing or anomalous data. Its data health tools surface gaps and inconsistencies across utilities, accounts and meters, with inactivity alerts notifying users when expected data fail to arrive, and AI validation flagging outliers at entry. Time series analytics detect energy anomalies in near real time. For missing data, Envizi's accrual engine generates estimates using historical patterns and multiple methodologies, complemented by AI-matched spend-based and industry-average approaches for Scope 3. When integrated with the IBM Planning Analytics solution, AI modelling enhances forecasting and predictive estimations.

- **Average value emission management capabilities.**
  Though Envizi can perform Scope 3 emission calculations – including Partnership for Carbon Accounting Financials (PCAF) – in line with the GHG Protocol and collect supplier-provided product carbon footprints (PCFs), it does not support suppliers in performing their own emission calculations, nor does it calculate PCFs from scratch. Organizations must rely on external specialist partners for formal PCF development.

- **A scalable solution for enterprises with diverse data sources.**
  Envizi is designed for organizations with fragmented data landscapes, offering automation and integration capabilities to streamline carbon data management. Its Data Flow Automation module supports ingestion via application programming interfaces (APIs), Secure File Transfer Protocol (SFTP), cloud storage and mailbox uploads; the module leverages IBM App Connect for extract, transform, load (ETL) processes and custom connectors for enterprise resource planning (ERP), EHS, fleet and energy systems. AI-assisted Scope 3 categorization uses natural language processing (NLP) for automated spend classification. A data normalization function applies calendar, unit and currency harmonization to invoice-level data, ensuring consistency across sources. Bulk upload templates and automated workflows reduce manual intervention, while integration with IBM's Planning Analytics solution facilitates monthly extraction for forecasting and scenario modelling.

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Normative overview

Information

Founded in Sweden in 2014, Normative's customer base spans mid-sized to large enterprises with complex supply chains, primarily in Europe and in the retail, hospitality and construction sectors. Its Carbon Network offering provides a way for businesses and their suppliers to share primary emissions data and improve visibility into Scope 3 emissions. In December 2024, it launched a dedicated Corporate Sustainability Reporting Directive (CSRD) compliance module, and in December 2025, it introduced a product carbon footprinting solution and announced a partnership with renewable energy procurement specialist Renewabl for verified Energy Attribute Certificates (EACs).

Vendor info

Firm name	Normative
Headquarters	Stockholm, Sweden
Employees	120
Revenues	Undisclosed
No. of offices	2
Example customers	Flying Tiger Copenhagen, Hitachi, Trill Impact

Customer regional presence

Asia	◔
Oceania	◔
Europe	●
Middle East and Africa	◔
Latin America and the Caribbean	◔
North America	◔

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Business services

Manufacturing

Finance

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Normative provides an integrated platform for supplier engagement, product carbon footprint (PCF) management and financed emissions tracking

The Green Quadrant analysis finds that Normative has:

- **A broad educational platform for suppliers, with comprehensive PCF and financed emission capabilities.** Normative's Value Chain Engagement module enables firms to collect high-quality supplier emissions data through surveys, partner integrations such as EcoVadis, and direct uploads. Normative has also developed a Carbon Network, allowing suppliers to upload carbon data that can be accessed by buyers, customers and key stakeholders. Beyond data collection, the platform fosters education and collaboration, in conjunction with the firm's climate strategy team: suppliers learn how their disclosures impact customer footprints, while firms gain insights to benchmark suppliers, identify hotspots and co-develop reduction strategies, though suppliers cannot calculate emissions on the platform. The platform's new product carbon footprinting capabilities encompass AI-driven emission factor matching and scenario simulations to assess material choices and reduction potential. For financed emissions, Normative aligns with Partnership for Carbon Accounting Financials (PCAF) standards, and offers dashboards for analysis by asset class, geography or fund.
- **Weaknesses in organizational structure support and manual data quality checks.** Normative enables tagging of different entities within its platform, but lacks dedicated functionality to store part-owned subsidiaries and joint ventures for organizations with complex ownership models. Though AI assists with data categorization and consistency checks, in-depth data quality assurance is primarily handled by the firm's data services team, which engages with clients to resolve complex issues. In cases where primary data are missing, the climate advisory team performs manual estimations.
- **Tailored solutions for European firms with complex value chains.** Normative is best-suited to mid-sized or large enterprises in sectors such as food, agriculture and consumer goods, where supplier engagement and product-level emissions are critical. Its 2025 partnership with HowGood enhances functionality for food and beverage organizations by integrating ingredient-level sustainability insights into PCF workflows, enabling more accurate assessments of agricultural impacts. Additionally, Normative supports forest, land and agriculture (FLAG) emissions reporting in line with evolving standards, helping businesses address land-use and biogenic emissions alongside traditional Scope 3 categories.

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osapiens overview

Information

Founded in 2018, osapiens is a Germany-based enterprise software provider with an integrated platform for carbon management, sustainability, compliance, and related operational use cases, and a focus on meeting evolving EU regulatory requirements. Its carbon management capabilities encompass corporate and product carbon footprinting, Carbon Border Adjustment Mechanism (CBAM) support, and X-degree compatibility, a methodology for translating business activities into degrees of global warming impact. In July 2024, the firm raised $120 million in Series B funding led by Growth Equity at Goldman Sachs Alternatives, supporting international expansion and continued platform investment. In January 2026, osapiens completed a $100 million Series C round led by Decarbonization Partners.

Vendor info

Firm name	osapiens
Headquarters	Mannheim, Germany
Employees	520
Revenues	Undisclosed
No. of offices	10
Example customers	BASF, Salzgitter, SCHUNK

Customer regional presence

Asia	-
Oceania	-
Europe	-
Middle East and Africa	-
Latin America and the Caribbean	-
North America	-

% Customer base

0% <10% 10%-25% 25%-50% above 50%

Top industry penetrations

Wholesale and retail trade

Manufacturing

Healthcare

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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osapiens delivers multiple interconnected solutions for asset maintenance, supplier engagement and carbon accounting

The Green Quadrant analysis finds that osapiens has:

- **A platform with multiple solutions built on shared master data and a strong customer base.** osapiens delivers a holistic platform comprising 27 modular solutions that can be purchased individually or as part of an integrated package. All solutions leverage the same master data. Though each solution exchanges different data points based on specific business needs, they are all powered by an Integration Platform as a Service (iPaaS) backbone, security framework and AI capabilities. Carbon-relevant solutions are designed to work together within this architecture, enabling carbon intelligence to be applied across procurement, supply chain and operational workflows.
- **Data quality control, product carbon footprinting and net zero strategy capabilities still in development.** Features not yet available on the platform are advanced data quality controls, including missing or anomalous data detection and primary data estimation, as well as automated product carbon footprinting and carbon financial management. osapiens is extending its established supplier due diligence capabilities into carbon management by enabling users to build comprehensive supplier questionnaires and manage engagement; however, it lacks functionality for suppliers who have not yet calculated their emissions to do so within the platform. Net zero strategy development capabilities also remain in the early stages, with gaps in baseline management and external benchmarking.
- **A platform well-suited to European firms seeking to manage multiple domain use cases together.** Backed by Decarbonization Partners, a joint venture between BlackRock and Temasek, alongside Armira Growth and Goldman Sachs, osapiens is well-positioned to continue investing in its product and market penetration. The solution supports a broad range of functions, from asset maintenance to carbon accounting and ESG reporting, through 27 modular solutions built on shared master data. This unified architecture reduces data silos, improves consistency across workflows, and simplifies the management of complex regulatory and operational requirements. osapiens is therefore particularly suited to European organizations seeking to streamline processes across operational, compliance and sustainability domains, and to reduce integration complexity.

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Persefoni overview

Information

Founded in 2020 in Arizona, Persefoni is a climate management and carbon accounting software provider that supports carbon footprint and sustainability reporting products for businesses and financial services. The platform supports AI-powered Scope 1, 2 and 3 emissions measurement and mapping, climate disclosures and net zero target-setting. Its advanced product also offers financed emissions measurement. In March 2025, Persefoni raised $23 million in a Series C funding round to expand its solutions and offerings, bringing its total capital raised to $179 million. In October 2025, it announced a partnership with Diligent; Diligent ESG's clients moved to Persefoni's platform and Diligent took an equity stake in Persefoni.

Vendor info

Firm name	Persefoni
Headquarters	Mesa, AZ, US
Employees	110
Revenues	Undisclosed
No. of offices	7
Example customers	Elevance Health, Snowflake, Under Armour

Customer regional presence

Asia	◑
Oceania	◔
Europe	◑
Middle East and Africa	◔
Latin America and the Caribbean	○
North America	●

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Finance

Healthcare

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Persefoni combines advanced financed emission capabilities with tools to engage suppliers and portfolio companies

The Green Quadrant analysis finds that Persefoni has:

- **A strong emissions calculation engine, with dedicated net zero programme management functionality.** Persefoni offers carbon emissions calculation that covers a wide range of emission sources, supported by globally recognized emission factor databases such as Exiobase, Intergovernmental Panel on Climate Change (IPCC), and national sources such as Australia and Japan. Its financial module, Persefoni for Financial Services, supports calculations fully aligned with the Partnership for Carbon Accounting Financials (PCAF) across all data quality tiers and asset classes, encompassing equity, bonds, loans, project finance and real estate. Finally, Persefoni's Net Zero Navigator, developed with Bain & Company, helps organizations build sector-specific CO_2 reduction pathways using proprietary algorithms that identify and prioritize impactful and cost-efficient decarbonization levers.
- **Gaps in net zero strategy development.** Persefoni has gaps in its net zero strategy development, with no capabilities for external benchmarking. Moreover, the platform does not offer out-of-the-box functionality for product-level carbon footprinting or management. Current capabilities are restricted to ingesting supplier-specific product carbon footprints (PCFs) that have already been calculated externally. Persefoni initially positioned itself boldly in anticipation of tightening US ESG and sustainability reporting regulations: it rapidly increased its headcount, then contracted steadily as regulations stalled. The firm states that it will become profitable in 2026.
- **A carbon management tool suitable for financial institutions and firms with significant Scope 3 emissions.** Persefoni's solutions are particularly useful for businesses managing complex supply chains or investment portfolios where carbon maturity varies. The firm provides a comprehensive engagement ecosystem, including Persefoni Academy's structured learning modules on carbon accounting and decarbonization fundamentals, which help its partners build capability and confidence. Additionally, Persefoni Pro, a free, enterprise-grade self-service carbon accounting tool, allows an unlimited number of suppliers to calculate and share GHG inventories, in seven languages. For private equity firms, Persefoni simplifies portfolio rollouts with standardized methodologies and solutions for Scope 3 data collection and exchange.

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Position Green overview

Information

Position Green is a pureplay sustainability firm founded in 2015 that offers ESG and sustainability software for firms and investors. Its carbon management solution is situated within its broader platform, and provides capabilities to measure, report and reduce emissions. Acquired by Nordic-focused private equity firm Norvestor in April 2022, Position Green has since accelerated its international expansion, opening its first North American office in 2022 and expanding into Belgium, Germany, the Netherlands and the UK. In 2025, the firm made multiple acquisitions – carbon management platform Morescope in August, sustainability reporting and compliance solution provider Greenomy in September, and supply chain sustainability solution provider Factlines in November.

Vendor info

Firm name	Position Green
Headquarters	Malmö, Sweden
Employees	320
Revenues	€16.8m ($19.9m)
No. of offices	9
Example customers	Euro Cater, Ferronordic, Marshall

Customer regional presence

Asia	○
Oceania	○
Europe	●
Middle East and Africa	◔
Latin America and the Caribbean	○
North America	◔

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Wholesale and retail trade

Business services

Performance vs Field (2026)

Charts show top 8 scoring criteria for each vendor

Note: See the main scoring figure for an explanation of the scoring framework.

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Position Green provides easy-to-use carbon accounting tools and AI decarbonization recommendations

The Green Quadrant analysis finds that Position Green provides:

- **AI-powered carbon abatement optimization tools.**
  Position Green enables organizations to identify carbon reduction opportunities across all scopes through AI-suggested actions and data-driven hotspot analysis. In its Decarbonization Strategy module, users can generate tailored actions based on scenario settings, emissions data and growth assumptions. Each suggestion includes indicative reduction potential, timing, detailed assumptions with references, and relevant organizational units. Complementing this, Position Green's Carbon Accounting dashboards highlight emission hotspots by scope, category and driver, helping to prioritize impactful measures. Its AI tools source abatement opportunities from curated industry benchmarks, ESG strategies, financial insights and expert-reviewed prompts, ensuring recommendations are context-specific and actionable.

- **A table stakes carbon emissions calculation engine.**
  Position Green supports the GHG Protocol and only integrates externally calculated product carbon footprints (PCFs), with plans to expand PCF as a dedicated use case. The engine is not verified or validated by a third party, which may limit assurance for some users. The firm updates its emission factor libraries annually and sources them from standard databases with minimal metadata, reducing depth and transparency. Compared with its competitors, Position Green offers a smaller emission factor database, though it includes biogenic emissions.

- **Accessible carbon accounting with integrated ESG reporting, for large and small businesses.**
  Position Green provides an integrated platform that combines carbon accounting with end-to-end ESG disclosure capabilities for organizations of all sizes. The core platform is designed for enterprises that need to manage carbon and wider sustainability data, Sustainable Finance Disclosure Regulation (SFDR) reporting requirements, and disclosure workflows aligned with the European Sustainability Reporting Standards (ESRS) within a single environment. For smaller organizations, the acquisition of Morescope introduces a complementary, streamlined carbon calculation tool tailored to simpler emission profiles and rapid GHG estimates. Over time, this capability could extend to suppliers, enabling streamlined emission estimates across value chains.

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Quentic (an AMCS company) overview

Information

Quentic, an AMCS company, is a leading provider of Software as a Service (SaaS) solutions for EHS and ESG management. Founded in 2003 and backed by EQT Private Equity, AMCS has expanded its presence in EHS and sustainability through the acquisitions of Quentic in 2022 and FigBytes in 2023. AMCS has now brought these together under the Quentic brand, giving Quentic space to concentrate on EHS, ESG and sustainability needs. This structure allows Quentic to direct more effort into product innovation, customer-focused enhancements and long-term planning, while drawing on the support of AMCS and EQT. The solution evaluated in this report has been rebranded as Quentic ESG Solution, with carbon management a core component.

Vendor info

Firm name	Quentic (an AMCS company)
Headquarters	Limerick, Ireland (AMCS)
Employees	1,300
Revenues	Undisclosed
No. of offices	11
Example customers	Ford, Lam Research, Toyota Tsusho Corporation

Customer regional presence

Asia	◔
Oceania	○
Europe	◕
Middle East and Africa	○
Latin America and the Caribbean	○
North America	◕

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Transportation

Technology, media and telecommunications

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Quentic delivers an integrated solution for carbon management, ESG reporting and EHS

The Green Quadrant analysis finds that Quentic provides:

- **A secure carbon management software platform with innovative emission factor management.**
  Quentic offers a platform certified against multiple global security and privacy standards, with strong access controls and traceability features. Customers can configure a flexible roles-and-permissions framework, supporting differentiated user groups based on plant-level roles, corporate functions, or external contributors such as suppliers. A built-in extract, transform, load (ETL) engine automates data cleaning, normalization and enrichment. Within its carbon emissions calculation engine, Quentic offers an AI-powered agent that aggregates and standardizes emission factors from authoritative sources and custom datasets, categorizes them, and makes them readily available within Quentic ESG Solution, ensuring emission factors remain continuously updated.

- **Limited out-of-the-box capabilities to manage value chain emissions.**
  Though Quentic supports configurable Scope 3 emission calculations and provides high-level visualization of Scope 3 data, its supplier engagement capabilities are basic. Current functionality relies primarily on surveys and questionnaires for data collection, with minimal proactive education or support beyond this process. The Quentic solution provides below-average capabilities for managing product carbon footprints (PCFs), offering light Scope 3 support based on lifecycle assessments (LCAs) and relying on manual data entry. Financed emissions management is not offered out of the box.

- **A combined carbon management, ESG reporting and EHS platform suitable for mid-sized and large firms.**
  Quentic combines carbon management with ESG reporting and EHS functionality, making it suitable for mid-sized and large organizations. Its portfolio spans EHS, ESG, responsible sourcing and circular economy management, serving over 4,000 customers across 80 countries. Backed by EQT Private Equity's majority stake, Quentic benefits from substantial resources for growth and innovation, making it a strong choice for enterprises seeking to futureproof their digital carbon management strategy while consolidating multiple solutions into a single platform.

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Salesforce overview

Information

Founded in 1999, Salesforce is a global provider of cloud-based customer relationship management (CRM) and enterprise software, best known for its Sales, Service and Marketing Clouds. Its sustainability offering is delivered through Agentforce Net Zero (formerly Net Zero Cloud), first launched in 2019, which enables organizations to measure, analyse and report Scope 1, 2 and 3 emissions using operational and CRM-linked data. Beyond carbon management, Agentforce Net Zero has advanced capabilities for data modelling and mapping compliant with the Corporate Sustainability Reporting Directive (CSRD), as well as AI-powered report generation.

Vendor info

Firm name	Salesforce
Headquarters	San Francisco, CA, US
Employees	86,000
Revenues	$37.9bn
No. of offices	90
Example customers	Breitling, F1, Rossignol

Customer regional presence

Asia	-
Oceania	-
Europe	-
Middle East and Africa	-
Latin America and the Caribbean	-
North America	-

% Customer base

0% <10% 10%-25% 25%-50% above 50%

Top industry penetrations

Technology, media and telecommunications

Finance

Real estate

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Salesforce has strong integration capabilities, workflow automation and a robust partner network for carbon management

The Green Quadrant analysis finds that Salesforce demonstrates:

- **Good data workflow automation and partnership ecosystem.**
  As Agentforce Net Zero is built on the core Salesforce platform, users have access to a broad set of application programming interface (API) types. MuleSoft, Salesforce's integration platform, further simplifies this by linking Agentforce Net Zero with enterprise resource planning (ERP) tools, legacy systems and third-party applications, to support automated data flows and real-time updates. The firm's existing partnerships allow integration with datasets such as the CDP, Ecovadis, SupplyShift and Trucost. Additional partnerships with consulting firms – such as Accenture, Deloitte, ERM and PwC – provide implementation support and custom development for complex carbon management use cases.

- **Challenges when implementing or adapting to more advanced carbon management.**
  A key limitation of Salesforce's Agentforce Net Zero is its reliance on customization and development, rather than functioning as a fully out-of-the-box carbon management solution. The developer documentation makes clear that adapting the platform to specific needs often requires additional work. This entails extending or modifying data models, creating custom objects, integrating operational data sources through APIs, and configuring calculation logic for Scope 1, 2 and 3 emissions. Even features that add flexibility, such as the ability to purchase and upload custom emission factors, may introduce another layer of configuration. As these requirements grow, the complexity of the solution increases, potentially driving up implementation time and costs.

- **A platform well-suited to firms embedding carbon management into existing workflows and user groups.**
  By leveraging familiar processes and infrastructure, Salesforce's existing clients can streamline initial adoption and align sustainability efforts with operational systems. Moreover, Salesforce is prioritizing AI capabilities in its roadmap to drive automation; this also facilitates faster data processing, smarter insights and more efficient carbon management at scale.

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SAP overview

Information

SAP is a global enterprise software provider best known for its enterprise resource planning (ERP) systems. Its sustainability offering is embedded in its core business platforms, notably through SAP Sustainability Control Tower (SCT) and SAP Sustainability Footprint Management (SFM). SAP's carbon management portfolio also contains SAP Sustainability Data Exchange and SAP Environment, Health and Safety-Environment Management. In December 2024, SAP launched the SAP Green Ledger solution, which allocates carbon emissions to specific economic activities and transactions within SAP's broader ERP solution. Additionally, in December 2025, the firm launched Joule, an agentic AI assistant embedded within SAP's sustainability tools.

Vendor info

Firm name	SAP
Headquarters	Walldorf, Germany
Employees	109,000
Revenues	€36.8bn ($39.5bn)
No. of offices	130
Example customers	CP Foods, KNAPP, Martur Fompak

Customer regional presence

Asia	-
Oceania	-
Europe	-
Middle East and Africa	-
Latin America and the Caribbean	-
North America	-

% Customer base

0% <10% 10%-25% 25%-50% above 50%

Top industry penetrations

Oil and gas

Mining, metals and minerals

Wholesale and retail trade

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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SAP's integrated carbon management platform connects transactional enterprise resource planning (ERP) data with product-level emissions

The Green Quadrant analysis finds that SAP offers:

- **Automated carbon data collection and management through ERP integration.**
  SAP enables master and transaction-level carbon data management through direct integration with SAP S/4HANA. The SCT and SFM solutions both support the integration of non-SAP data through application programming interfaces (APIs); for example, the latter's GHG Data Forms API can pass energy bill data and smart meter readings. Operational data such as production orders, resource consumption and work confirmations automatically feed into emission calculations, removing manual data handling. SAP Green Ledger extends this by treating emissions data as financial entries, allowing posting and allocation to cost and profit centres, business units or projects using standard accounting principles. By linking emissions with financial transactions, organizations can analyse carbon's financial impact, allocate costs and benchmark performance. This supports strategic judgements at the corporate level, as well as day-to-day decision-making and controls at the product level.

- **Limited capabilities in data estimation and financed emissions management.**
  Currently, SAP's carbon management solution cannot estimate missing primary data. Moreover, auditors can access SAP Green Ledger, but not SFM or SCT. The firm's historic focus on manufacturers and other real economy industries means that it has fewer offerings for financial service use cases; among other things, it does not support the Partnership for Carbon Accounting Financials (PCAF) methodology, and its financed emission management functionality is less developed than many vendors in this assessment. Finally, SAP offers little support for carbon abatement best practices or abatement tools within its sustainability portfolio.

- **A platform well-suited to manufacturing firms aiming to link transactional data with product-level emissions.**
  SAP's carbon management solutions are particularly valuable for manufacturing firms already using SAP ERP systems, such as SAP S/4HANA, as they can leverage existing transactional and operational data for emission calculations. Supplier data acquisition follows Partnership for Carbon Transparency (PACT) guidelines, supporting frameworks such as Together for Sustainability (TfS) for chemicals and Catena-X for automotive. Firms with complex value chains benefit from configurable scope settings, industry-specific allocation rules and multi-standard emissions reporting, enabling granular analysis across fossil, biogenic and land-use categories for compliance with the Science Based Target initiative (SBTi), the forest, land and agriculture (FLAG) and Product Environmental Footprint (PEF) methodologies, the European Sustainability Reporting Standards (ESRS), and other standards.

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Schneider Electric overview

Information

Schneider Electric was founded in Paris in 1836, and has evolved into a global leader in electrification, automation and digital energy management. In October 2025, it launched a consulting arm to bring together its sustainability, energy, risk management and asset performance advisory expertise, alongside an integrated software portfolio. At the heart of that portfolio is Resource Advisor+, a platform launched in January 2026 that integrates multiple products within a unified data environment for energy and sustainability management. Resource Advisor+ builds on several strategic investments, including the 2022 acquisition of Zeigo, a renewable energy procurement platform, and the 2023 acquisition of EcoAct, which introduced digital applications for climate risk and carbon offset capabilities.

Vendor info

Firm name	Schneider Electric
Headquarters	Paris, France
Employees	160,000
Revenues	€38bn ($44.8bn)
No. of offices	100+ countries
Example customers	Blackstone, Equinix, Marriott

Customer regional presence

Asia	◔
Oceania	◔
Europe	◕
Middle East and Africa	○
Latin America and the Caribbean	◔
North America	◕

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Hospitality and entertainment

Utilities

Performance vs Field (2026)

Charts show top 8 scoring criteria for each vendor

Note: See the main scoring figure for an explanation of the scoring framework.

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Schneider Electric offers a newly integrated platform for carbon management, sustainability reporting and energy optimization under a unified data foundation

The Green Quadrant analysis finds that Schneider Electric has:

- **AI-powered capabilities for data collection and quality control, particularly for Scope 1 and 2 emissions.** The Schneider Electric platform can either integrate directly with utility providers or enable the manual upload of utility bills, validating invoices using AI-driven checks. Its system-agnostic architecture connects with energy management systems (EMS) and building management systems (BMS) for real-time and interval-level monitoring of electricity, gas and steam usage, giving granular visibility into consumption patterns. The platform supports market-based reporting through supplier-specific emission factors and renewable tracking, such as power purchase agreements (PPAs), Energy Attribute Certificates (EACs) and Renewable Energy Certificates (RECs). Advanced AI-powered data quality tools detect anomalies, identify gaps in time series data, and apply five gap-filling methods, including Gaussian Process Regression for estimation. Extrapolation routines leverage internal portfolio data, industry benchmarks and machine learning (ML) models for emissions estimation where primary data are unavailable.
- **Some capability to incorporate different solutions under the same umbrella.** Despite launching a dedicated hub for supply chain emissions, Schneider Electric's value chain emission management capabilities remain below average. In particular, its hotspot identification is basic, with no linkage between suppliers and products, and its product carbon footprinting capabilities are nascent and still under development. Furthermore, although Schneider Electric has started to consolidate its sustainability offering under one platform, the transition to a fully unified platform will take time, as existing solutions and workflows are gradually migrated and aligned under this new integrated framework. For existing customers, this may mean a temporary hybrid environment, requiring data migration, integration work and change management during the transition period.
- **A combined platform-and-services approach integrating carbon and energy management with AI capabilities.** Targeting large multinationals, Schneider Electric leverages its heritage in energy management and its team of more than 4,000 climate consultants to deliver real-time data, workflow automation and unified energy procurement. Central to its vision is an AI-first sustainability platform featuring agentic AI, agent access to sustainability-trained large language models (LLMs), historical data, and advanced tools such as AI-assisted optical character recognition (OCR), regression modelling and web scraping. Built on a privacy-first architecture aligned with the EU AI Act, Schneider Electric has tripled the personnel in its AI team since 2021.

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Sphera overview

Information

Headquartered in Chicago and founded in 2016, Sphera offers solutions for EHS and sustainability, supply chain transparency and product stewardship. Its SpheraCloud Integrated Sustainability platform features software solutions across corporate sustainability, environmental accounting, supply chain sustainability and product sustainability. Sphera combines its software offerings with sustainability consulting services. In the last 10 years, it has continued to expand through acquisitions, notably thinkstep in 2019, riskmethods in 2022 and SupplyShift in 2024. Sphera was acquired by Blackstone for $1.4 billion in 2021. In September 2025, Sphera received significant growth investment from Neuberger Berman Capital Solutions (NBCS), joining existing investor Blackstone.

Vendor info

Firm name	Sphera
Headquarters	Chicago, IL, US
Employees	1,300
Revenues	Undisclosed
No. of offices	13
Example customers	Arcadis, Associated British Foods, Brookfield

Customer regional presence

Asia	◔
Oceania	◔
Europe	●
Middle East and Africa	◔
Latin America and the Caribbean	◔
North America	◕

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Technology, media and telecommunications

Business services

Performance vs Field (2026)

Charts show top 8 scoring criteria for each vendor

Note: See the main scoring figure for an explanation of the scoring framework.

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By combining consulting expertise with software solutions, Sphera provides advanced product carbon footprinting capabilities for complex industrial supply chains

The Green Quadrant analysis finds that Sphera has:

- **Strong expertise in product carbon footprinting and supply chain management.**
  The platform delivers comprehensive product carbon footprint (PCF) functionality, featuring cradle-to-grave calculations and advanced allocation methods. These are built on standardized methodologies aligned with Partnership for Carbon Transparency (PACT) guidelines, the GHG Protocol Product Standard and ISO 14067/14044, though conformance to Catena-X and Together for Sustainability (TfS) is pending. The platform offers four PCF tools tailored to different user profiles, experts and non-experts, and has a streamlined Supplier PCF Calculator. Calculations are underpinned by Managed LCA Content (MLC), a robust database with over 20,000 annually updated datasets covering 100,000 chemicals and 10,000 materials, applicable across industries such as manufacturing, energy, automotive, chemicals and consumer goods. A Corrective Actions module bridges assessment and execution, enabling buyers to assign suppliers tasks with deadlines, giving suppliers a hub to manage their corrective actions, and supporting real-time updates to assessment scores upon evidence approval.

- **Some challenges pushing data across applications.**
  Sphera's acquisitions of providers such as thinkstep, riskmethods and SupplyShift have created a broad portfolio for carbon management, supply chain sustainability and risk management, but not all data connections are in place. This can make it difficult to achieve seamless visibility from product-level or supply chain data up to corporate-level reporting. One key area of development is integrating emission factors across multiple products to ensure consistency and accuracy in calculations. Sphera is working towards a centralized architecture with unified workflows and a shared data foundation to enable interoperability and scalability across all sustainability domains.

- **Software tools best-suited to large, complex firms in the chemical, industrial, and oil and gas sectors.**
  Sphera offers software tools best-suited to large organization in manufacturing and heavy industry, in both sustainability and EHS. These firms often operate in high-risk sectors such as chemicals, heavy manufacturing, and oil and gas, which have stringent compliance and safety requirements. Sphera's platform addresses these challenges by combining advanced PCF functionality and supply chain engagement with robust EHS solutions. In addition to its software, Sphera provides sustainability consulting, supporting sustainability reporting, climate risk modelling, and the development of lifecycle assessments (LCAs), PCFs and environmental product declarations (EPDs).

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Sweep overview

Information

Founded in 2020 in France, Sweep is a carbon management and ESG reporting platform that features the Sweep Carbon module. Since its foundation, the firm has raised a total of $100 million. In early 2024, it acquired UK-based start-up Consequence, which specializes in applying AI to carbon accounting. This acquisition brought AI engineering expertise to Sweep and led to the development of its first generative AI (GenAI) tool, a chatbot assistant named Sweepy. The organization continues to expand internationally, opening a North American office in Denver in September 2025 and strengthening its presence in Asia through global and regional partnerships.

Vendor info

Firm name	Sweep
Headquarters	Paris, France
Employees	190
Revenues	Undisclosed
No. of offices	4
Example customers	Epiroc, L'Oréal, Wickes

Customer regional presence

Asia	◔
Oceania	◔
Europe	●
Middle East and Africa	◔
Latin America and the Caribbean	◔
North America	◕

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Finance

Technology, media and telecommunications

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Sweep's AI-powered, highly configurable sustainability platform is designed to simplify supplier engagement and accelerate carbon data management

The Green Quadrant analysis finds that Sweep offers:

- **A robust carbon emissions calculation engine, built on a strong organizational structure foundation.** Sweep offers a sophisticated carbon emissions calculation engine aligned with leading frameworks such as the GHG Protocol, the World Business Council for Sustainable Development (WBCSD), the Partnership for Carbon Transparency (PACT) and ISO 14067. It leverages more than 200,000 region-specific emission factors for activity- and spend-based data, giving users full control over factor selection, with optional AI guidance. Its flexible organizational structure, powered by the Sweep Tree, enables intuitive hierarchy customization, bulk edits and allocation rules for subsidiaries. Advanced features such as custom properties and automated restatement recommendations ensure granular reporting and compliance alignment. When there are organizational changes, such as through mergers or divestitures, the platform automatically detects these triggers and recommends recalculation approaches (pro-rata, full-year or partial-year adjustments) to keep historical baselines accurate and aligned with GHG Protocol and Science Based Targets initiative (SBTi) standards.
- **Smaller resources than some of its benchmarked peers.** Despite having large customers such as L'Oréal and SSE, Sweep, with offices in three countries and 190 employees, has fewer resources than some of its competitors. For larger buyers, this could raise concerns about global support. Additionally, Sweep may not offer all the native connectors to operational systems for highly granular operational data collection (for example, real-time sub-meter data), as its historical focus has been on corporate-level carbon accounting, rather than operational-level monitoring. However, the organization plans to expand its partnership ecosystem, aiming to integrate with specialized providers and to add capabilities for advanced data collection and global service delivery.
- **An ideal solution for resource-constrained sustainability teams managing complex supply chains.** Sweep simplifies sustainability data collection for firms with limited resources but complex supplier networks. Its intuitive campaign creation and supplier-friendly interface make onboarding easier. Suppliers can upload existing documents, and AI agents offer guidance while drafting responses, reducing survey fatigue and improving accuracy. For deeper engagement, Sweep offers a free supplier-facing platform to track emissions, share data and visualize progress, fostering collaborative carbon reduction initiatives. Customers can easily configure organizational hierarchies, dashboards and workflows, while specialized AI agents handle tasks such as data mapping, emission factor recommendations, anomaly detection and disclosure drafting – all with human-in-the-loop validation.

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Tango overview

Information

Tango, founded in 2008 in Dallas, Texas, is a real estate and facilities analytics platform. In 2023, it expanded into energy and sustainability management with the acquisition of WatchWire, which brought expertise in energy management, carbon accounting and sustainability reporting. These capabilities have been integrated into Tango's broader offering as the Tango Energy & Sustainability suite. The platform supports portfolio-level energy optimization, utility bill processing and sustainability reporting for large property owners and occupiers; it also supports real estate equities and corporate operators, especially in manufacturing.

Vendor info

Firm name	Tango
Headquarters	Dallas, TX, US
Employees	300
Revenues	Undisclosed
No. of offices	4
Example customers	Alexandria Real Estate Equities, Brookfield Properties, Vornado Realty Trust

Customer regional presence

Asia	○
Oceania	◔
Europe	◔
Middle East and Africa	○
Latin America and the Caribbean	○
North America	●

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Real estate

Manufacturing

Healthcare

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Tango provides an energy-focused platform with strong Scope 2 data acquisition and benchmarking capabilities

The Green Quadrant analysis finds that Tango offers:

- **Robust Scope 2 data acquisition and energy management capabilities.**
  Tango excels in automating consumption data collection for Scope 1 and 2 sources through integrations with major utility and bill-pay providers, application programming interfaces (APIs), Secure File Transfer Protocol (SFTP), interval meters (both lagged and in real time), surveys, bulk imports, manual entry, and AI-powered PDF scanning and extraction. The platform supports interval and meter-level data, standardized utility-based commodities, and renewable energy tracking with certification details for accurate Scope 2 carbon accounting. Advanced variance alerts and estimation tools based on proxy properties enhance data quality.

- **Limited Scope 3 and decarbonization capabilities.**
  The platform's focus remains on energy and operational efficiency, with minimal baseline functionality for Scope 3 emissions management or supplier engagement. Scope 3 calculations are basic, and reduction initiatives such as abatement optimization tools or net zero target contribution analysis are still on the roadmap. Though Tango provides regression analysis for projected savings and carbon impact at the property level, broader decarbonization strategy features are not yet available.

- **Best-fit capabilities for US-based real estate firms with a multi-portfolio energy focus.**
  Tango is well-suited to real estate organizations managing multiple portfolios that prioritize energy management, operational efficiency and cost savings. Its granular tracking capabilities, renewable energy transaction management and strong benchmarking integrations make it ideal for firms operating under US building performance standards that seek to operationalize sustainable energy practices. Its benchmarking capabilities span ENERGY STAR Portfolio Manager, US DOE Building Performance Data, LEED ARC and GRESB, as well as integration with the Institute for Market Transformation for building performance standards.

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UL Solutions overview

Information

Founded in 1894, UL Solutions has a long heritage in testing, inspection and certification (TIC), and has since expanded into sustainability, compliance and EHS software. In 2024, the firm began consolidating its legacy software portfolio into the new ULTRUS platform, an integrated software portfolio for product stewardship, ESG, renewable energy, learning and workplace safety – all supported by a common data model. In July 2025, the firm further expanded its sustainability offering with a Scope 3.1 tool to help customers manage procurement emissions, launched as part of the UL 360 platform.

Vendor info

Firm name	UL Solutions
Headquarters	Northbrook, IL, US
Employees	14,000
Revenues	$2.9bn
No. of offices	176
Example customers	Biogen, UEFA, Volex

Customer regional presence

Asia	◑
Oceania	◔
Europe	◕
Middle East and Africa	◔
Latin America and the Caribbean	◑
North America	◑

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Finance

Technology, media and telecommunications

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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UL Solutions has comprehensive tools for global organizations with complex structure and data acquisition requirements

The Green Quadrant analysis finds that UL Solutions provides:

- **Flexible data acquisition and organizational hierarchy controls.**
  The ULTRUS portfolio supports multiple secondary hierarchies and dynamic percentage ownership. Administrators can define ownership shares with start and end dates for subsidiaries and joint ventures, and the calculation engine automatically applies these rules for accurate roll-ups. Data acquisition is robust, spanning automated and manual pathways such as scheduled application programming interface (API) imports, Secure File Transfer Protocol (SFTP), and integrations (for example, Siemens Building X) for granular meter data. Activity data are tagged to organizational nodes with geographic associations, enabling jurisdiction-specific allocation and transparent differentiation across reporting entities. Ownership and activity records are fully auditable with time-stamped changes, while the ESG Disclosures module supports compliance with the Corporate Sustainability Reporting Directive (CSRD), the International Sustainability Standards Board (ISSB), the Sustainability Standards Board of Japan (SSBJ) and the California Air Resources Board (CARB) across chosen aggregation levels.

- **Capabilities around net zero programme management that are still in development.**
  UL Solutions currently offers limited functionality for identifying abatement opportunities, which must be done manually through visualization. However, significant enhancements are on the roadmap, such as advanced forecasting and scenario modelling tools that incorporate business growth, grid decarbonization and configurable decarbonization plans. The firm is also planning a marginal abatement cost curve (MACC) analysis feature to prioritize cost-effective strategies.

- **A unified platform covering product stewardship, EHS, carbon management and ESG reporting.**
  The UL Solutions ULTRUS platform is designed for global organizations seeking an integrated approach to sustainability and compliance. It combines capabilities for product stewardship, EHS, carbon management across all scopes, and ESG reporting within a single system. This unified architecture helps firms streamline data collection, ensure regulatory compliance and manage complex supply chains efficiently. With strong advisory services and audit-ready reporting aligned to international standards, ULTRUS is particularly suited to enterprises operating in multiple jurisdictions.

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Watershed overview

Information

Founded in 2019 in San Francisco, California, Watershed is a carbon management platform designed for enterprise customers that has since expanded into sustainability reporting. Its platform features emissions, water and waste data measurement, as well as sustainability compliance, reduction planning and forecasting, and access to carbon removal and offset markets. Watershed raised $100 million in Series C funding in February 2024. It launched an open and free version of its global emissions data base, CEDA, in May 2025 to enable firms to make more accurate decarbonization decisions, and an AI-powered product carbon footprint (PCF) solution in September 2025.

Vendor info

Firm name	Watershed
Headquarters	San Francisco, CA, US and London, UK
Employees	400
Revenues	Undisclosed
No. of offices	7
Example customers	BlackRock, DP World, Roche

Customer regional presence

Asia	◔
Oceania	◔
Europe	◕
Middle East and Africa	◔
Latin America and the Caribbean	○
North America	●

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Technology, media and telecommunications

Finance

Manufacturing

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Watershed delivers AI-powered product and supply chain emissions measurement, enabling granular Scope 3 insights and actionable decarbonization strategies

The Green Quadrant analysis finds that Watershed offers:

- **A comprehensive carbon emissions calculation engine built on a robust data foundation.**
  Watershed delivers robust data quality management with built-in guardrails to detect errors, flag gaps, and automatically identify inconsistencies and anomalies through more than 150 error checks. Its carbon emissions calculation engine is powered by a database of over 500,000 annually updated emission factors spanning 148 countries and 400 industries; these are sourced from authoritative bodies and proprietary datasets such as CEDA. In August 2025, Watershed partnered with ERG, an environmental consulting firm, and Stanford University's Doerr School of Sustainability to integrate US Environmentally-Extended Input-Output (USEEIO) models with CEDA, creating a unified, multi-region input-output model and enhancing Scope 3 carbon accounting models. All methodologies and emission factors undergo annual audits by a third party.

- **Average carbon financial management capabilities.**
  Watershed lacks support for customizable carbon pricing; this includes real charges and shadow prices, which are often critical for firms integrating carbon costs into financial planning. Its PCF solution, launched in September 2025, is yet to be verified by the Partnership for Carbon Transparency (PACT). The solution may therefore require workarounds, manual transformations or custom integrations to exchange PCF data with partners using PACT compliant systems.

- **Best-fit capabilities for firms with significant Scope 3 emissions seeking to decarbonize their value chain.**
  Watershed offers robust, AI-powered product and supply chain data acquisition capabilities. The firm's Product Footprints feature auto-generates editable production graphs, breaking down finished goods into materials and processes, and enabling activity-based Scope 3.1 measurement without waiting for supplier PCFs or lifecycle assessments (LCAs). AI-powered tools enrich unstructured data, fill gaps using bill of materials (BOMs) or product names, and map materials to the best emission factors. For supply chain data, Watershed combines customizable supplier surveys and portals with an ESG database covering more than 20 million firms, as well as AI-powered supplier matching. Sustainability and procurement teams can benchmark suppliers, identify decarbonization hotspots, and model trade-offs to drive smarter sourcing and collaborative reduction initiatives. For financial institutions, Watershed Finance supports portfolio-wide target-setting, tracks progress on climate goals, automates Sustainable Finance Disclosure Regulation (SFDR) and ESG Data Convergence Initiative (EDCI) reporting, and covers all asset classes aligned with the Partnership for Carbon Accounting Financials (PCAF).

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Wolters Kluwer overview

Information

Wolters Kluwer is a global provider of information, software solutions and services for professionals in healthcare, tax and accounting, financial and corporate compliance, legal and regulatory, corporate performance, and ESG. In 2016, Wolters Kluwer acquired Enablon, incorporating its EHS, sustainability and risk management software into its wider product portfolio. The Corporate Performance & ESG division delivers solutions for sustainability management, workplace safety, regulatory compliance and financial performance. Within this division are platforms such as CCH Tagetik, Enablon and TeamMate, an audit management software. Carbon management capabilities are available either as part of Wolters Kluwer's ESG solution packages or as standalone offerings.

Vendor info

Firm name	Wolters Kluwer
Headquarters	Alphen aan den Rijn, Netherlands
Employees	21,700
Revenues	€5.9bn ($7bn)
No. of offices	157
Example customers	BASF, Merck, The J.M. Smucker Co

Customer regional presence

Asia	◔
Oceania	◔
Europe	◕
Middle East and Africa	◔
Latin America and the Caribbean	◔
North America	◕

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Manufacturing

Oil and gas

Technology, media and telecommunications

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Wolters Kluwer integrates risk management and strategic planning to offer a configurable platform that drives decarbonization initiatives

The Green Quadrant analysis finds that Wolters Kluwer has:

- **Capabilities to manage decarbonization initiative portfolios at a granular level.**
  Through Wolters Kluwer's Strategy Management module, users can define objectives using both top-down and bottom-up approaches. Objectives cascade across sites and assets, supported by workflows for checks and approval. The module tracks progress via indicators and interim targets, while Enablon's Metrics module facilitates flexible reporting of CO_2 reductions, intensity and performance against baselines. At the asset level, Enablon's Environmental Management module provides deeper insights for targeted actions. Decarbonization projects are centralized in the Objectives module, integrated with the Risk Management module to identify and mitigate risks, ensuring visibility, accountability and strategic prioritization across the organization. Additionally, financial considerations are embedded through cost-benefit and return on investment (ROI) analysis.

- **Less robust capabilities for calculating and managing Scope 3 emissions.**
  Wolters Kluwer scored below average in value chain emissions management, as it currently lacks out-of-the-box support for product carbon footprinting, and does not support suppliers in calculating their own emissions. However, in 2023, Wolters Kluwer established a partnership with Makersite, which provides lifecycle assessment (LCA) and product carbon footprinting capabilities for Scope 3 data collection and analysis. Organizations requiring comprehensive Scope 3 calculations and adherence to product carbon footprinting standards may need to leverage Wolter Kluwer's partnership with Makersite or consider additional tools to meet these requirements.

- **An integrated approach to risk and sustainability.**
  Wolters Kluwer is suitable for organizations that seek an integrated approach to managing sustainability and risk. It helps businesses identify and assess GHG-related and climate transition risks, as well as other corporate risks, using frameworks such as ISO 31000 and COSO Enterprise Risk Management (ERM). The platform supports configurable risk assessment methodologies and quantitative analysis through Monte Carlo simulations, and links risks to strategic objectives. It is particularly relevant for industries with complex operations and significant carbon footprints, such as energy, utilities, manufacturing, chemicals, transportation and heavy industry. These sectors benefit from Wolters Kluwer's ability to track emissions, regulatory changes and financial impacts, while aligning risk management with decarbonization goals.

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Workiva overview

Information

Headquartered in Ames, Iowa, Workiva was founded in 2008 as WebFilings, with a focus on helping organizations manage and report business data. The firm rebranded to Workiva in 2013, and since then has expanded its solutions to encompass finance, risk, sustainability and legal management. In June 2024, the firm announced the launch of the Workiva Carbon application, following the acquisition of carbon management software tool Sustain.Life. Workiva Carbon is available in three tiers: Essential, Standard and Advanced. The application enables organizations to manage emissions data, decarbonization planning and regulatory disclosures within the same platform used for financial and ESG reporting.

Vendor info

Firm name	Workiva
Headquarters	Ames, IA, US
Employees	2,896
Revenues	$738.7m
No. of offices	17
Example customers	General Atomics, PayPal, Usana Health Sciences

Customer regional presence

Asia	◔
Oceania	○
Europe	◔
Middle East and Africa	○
Latin America and the Caribbean	○
North America	●

% Customer base

○ 0% ◔ <10% ◑ 10%-25% ◕ 25%-50% ● above 50%

Top industry penetrations

Construction

Business services

Finance

Performance vs Field (2026)

Note: See the main scoring figure for an explanation of the scoring framework.

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Workiva combines carbon, sustainability and financial reporting in a flexible solution

The Green Quadrant analysis finds that Workiva Carbon has:

- **A secure and intuitive platform, with a strong focus on sustainability reporting.**
  Integrated into the Workiva ecosystem, Workiva Carbon meets leading security standards (SOC 1 & 2 Type II, GDPR) and advanced certifications such as FedRAMP. The platform offers granular, role-based permissions (for example, owner, editor, viewer and no access), as well as customizable groups by business unit, region or legal entity. The platform can grant external groups and suppliers limited roles for data entry or viewing, supported by Workiva's unlimited user policy. For auditors, a dedicated module enables secure access to all audit documentation. In addition, Workiva provides robust sustainability reporting capabilities, which are particularly well-suited to integrated reporting frameworks. Its data-linking functionality allows teams to connect financial and ESG data.

- **Gaps in out-of-the-box product carbon footprinting and emissions factor depth.**
  Despite being able to calculate emissions from enterprise resource planning (ERP) and procurement purchase data – leveraging AI-powered matching between accounting categories and vendor data – Workiva Carbon does not provide any out-of-the-box product carbon footprinting or product-level carbon management capabilities. Its emissions factor database is also comparatively limited in scope. Though the platform has some industry-specific categories, such as transport and distribution factors (air, sea, road and rail) aligned with frameworks such as the Global Logistics Emissions Council (GLEC), its overall breadth remains smaller than that offered by leading competitors.

- **An integrated platform for connected reporting and simple carbon accounting.**
  Workiva Carbon is best-suited to organizations seeking a unified platform for carbon management, sustainability and financial reporting, simplifying workflows and fostering collaboration. By connecting these elements within the wider Workiva ecosystem, the platform enables assurance under one umbrella. The solution is particularly valuable for firms in the professional services industry, technology businesses and retailers with primarily operational emissions, where ease of use and integration matter more than highly detailed, product-level carbon accounting.

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